

Career and Schedule

Planning Guide

2015-2016



High School (573) 346-5651

Guidance Office (573) 346-9275

Lake Career & Technical Center Guidance Office (573) 346-9276

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School Directory – High School

Principal	Brett Thompson	346-9235
Secretary	Christy Lively	346-9232
Assistant Principal/A-L	Larry Lewis	346-9204
Secretary	Kerry Blackwell	346-9224
Assistant Principal/M-Z	J.D Hunter	346-9230
Secretary	Susan Manzullo	ext. 441
Attendance Clerk	Tricia Pruitt	346-9299
Activities Director	Jeff Whitney	346-9231
Secretary	Sharon Arnold	ext. 156
Counselor	Terrie Roam	346-9275 ext. 123
Counselor	Randy Sweatt	346-9275 ext. 198
Counselor	Tim Roettgen	346-9275 ext. 124
Counselor	Lisa Burns	346-9275 ext. 197
Secretary	Chelly Hardman	346-9255
Secretary	Emily Smith	346-9275
Special Services Process Coord.	Bonnie Leuwerke	346-9225
Secretary	Peggy Moulder	ext. 409
IB Coordinator	Jody Welsh	ext. 464
Secretary	Sandy Osborn	346-9200
Health Serv. Coordinator/Nurse	Rhonda Franken	ext. 143
Registered Nurse	Shelli Maher	346-9209
A+/School to Work	Lisa Black-Schwandt	ext. 417
Secretary	Pam Lancaster	346-9226
21 st Century Grant Coord.	Sherry Comer	346-9233
Secretary	Beth Scarey	346-9210
Project Pass Coordinator	Chris Kramer	ext. 362 (ckramer@camdentonschools.org)

Lake Career & Technical Center

Director	Jackie Jenkins	346-9272
Assistant Director	Kathy Hueste	346-9273
Secretary	Deb VanLant	346-9260
Secretary	Cindy Waters	346-9271
Counselor	Liz Jansen	346-9277
Secretary	Lori Matthes	346-9276

Horizons

Assistant Principal	Anne Wall	346-6336
Counselor	Jeannie Miller	346-6336
Secretary	Kathy Kurt	346-6336

EDUCATIONAL PROGRAMS

An effective educational program that provides opportunities for student learning, both in the classroom and, in some cases, beyond the traditional classroom and school day.

A+ Schools Program

The education of all students is important, regardless of their plans following high school. The A+ Schools Program is designed to ensure that, no matter what a student's career goals, all Camdenton High School (CHS) students will be provided selections of courses, career counseling, technology and/or workplace skill development opportunities which are appropriate for them to achieve success.

The three major goals of the A+ Schools Program are:

- All students will graduate from high school
- All students complete a selection of high school studies that is challenging and for which there are identified learning expectations
- All students proceed from high school graduation to a college, post-secondary vocational or technical school, or high-wage job with workplace skill development opportunities.

The A+ Schools Program encourages all students to focus on a career goal, which requires training beyond high school. Students are asked to select a career path, plan course work for all four years of high school, and progress toward a goal of additional training at the post-secondary level or a high-wage job. Students always have the option to modify or change their career goal and course of studies.

CHS has been designated as an A+ School. This means that graduates of CHS are eligible for state reimbursement for the cost of tuition and general fees to any Missouri public community college, or vocational or technical school. To be eligible, each student must enter into written agreement with the school prior to high school graduation, and:

- Have attended a designated A+ School for three consecutive years prior to high school graduation.
- Earned a 2.5 or higher cumulative GPA on a 4.0 scale upon graduation
- Had at least 95% attendance record for the four-year period
- Performed 50 hours of unpaid school-based tutoring or mentoring of other students
- Maintained a record of good citizenship and avoidance of the unlawful use of drugs
- Males register for Selective Service, if over the age of 18.
- Secure all available federal student financial assistance funds that do not require repayment through the Free Application for Federal Student Aid (FAFSA).
- Beginning with the class of 2015, qualifiers must achieve a score of Proficient or Advanced on the Algebra I End of Course exam – or – student may complete the first semester (at their own expense) at a post-secondary institution with a minimum of 12 hours and the equivalent of 2.50 GPA prior to assessing funds.

By meeting these requirements, students may receive reimbursement for tuition and general fees at any Missouri public community college or vocational-technical school.

For more information about this program, contact the A+ Office at 573-346-9226.

Tuition reimbursement relies on state funding and may be removed at any time by the state.

The following is a list of 4-year schools offering University Incentives/scholarships to students who have completed the A+ program.

Avila University	Missouri State - West Plains (full benefits)
Central Methodist University	Missouri Valley College
Columbia College (only Columbia, MO)	Missouri Western State University
Culver-Stockton College	Northwest Missouri State University
Drury University	Park University
Evangel University	Southeast Missouri State University
Fontbonne University	Stephens College
Lindenwood University	Truman State University
Missouri Southern State University	Webster University
Missouri State - Springfield	William Woods University

School-To-Work

The School-to-Work Program is a system, which helps young people progress smoothly from high school to advanced education and/or meaningful, high quality work. By making connections between education and careers, students will become successful independent adults. Through this system, students may participate in the following activities: industry tours, job shadowing, work readiness, preparation, and listening to speakers from community industries visiting the school. Students will receive one-on-one assistance in looking at options for their future. The three components of a school to work transition system include school-based learning, work-based learning, and connecting activities. In order for students to job shadow, they have to put in writing a written request with the principal. Once approved, the A+/STW coordinator talks to the student and then they fill out an interest inventory. After everything is complete, the job shadowing is set up and students provide their own transportation to and from the site. For more information concerning this program, call 573-346-9226.

Special Education Services

Special education and related services are provided to students who qualify with a disability under the Individuals with Disabilities Education Improvement Act of 2004 (IDEIA). A full continuum of special education services is available to meet the needs of students with all categories of disabilities. The special education and related services are based on the student's unique needs according to the student's Individualized Education Program (IEP).

**Career Preparation
Choices After High School
HIGH SCHOOL**

SCHOOLS & PROGRAMS
Career/Technical Schools

Community/Junior Colleges

Colleges/Universities

WORK
On-the-Job Training
Apprenticeship

MILITARY
College Financial Assistance
Variety of Skill Training

MY CAREER

Arts &
Communications

Health
Services

Industrial &
Engineering Technology

Business, Management
& Technology

Human
Services

Natural
Sciences

Your Choices After High School

ON-THE-JOB TRAINING

Some occupations do not require training prior to employment; rather, the employer provides additional training and skills required beyond high school.

APPRENTICESHIP

Apprenticeship is a three to four –year training program in which money is earned during the learning process, while working on the job. A license is received at the end of training. Examples of trades that use apprenticeship are bricklaying, jewelry making, electrical repair, etc.

CAREER AND TECHNICAL SCHOOL

Programs at these schools are generally from one month to four years in length. Examples of career and technical programs include practical nursing, robotics, and some areas of business.

COMMUNITY/JUNIOR COLLEGE

Community colleges offer two-year “degree” vocational training, associates degrees, or credit transfer to a college or university where a bachelor’s degree can be pursued. Most community colleges have an open enrollment policy for high school graduates and individuals with GED’s.

COLLEGE/UNIVERSITY

A bachelor’s degree requires approximately four years of college. A master’s degree usually requires one to two years of college beyond the bachelor’s degree. A minimum of a bachelor’s degree is required for approximately 20% of the occupations in the United States. Entrance requirements depend on the desired program/major.

MILITARY

Training is available for many jobs while you are enlisted. You may also receive financial assistance for college, room and board, salary, and insurance benefits. High school graduation is required. Another consideration for students would be the military academies like West Point.

Army -- 1-800-872-2769

Air Force -- 1-800-423-8723

Navy -- 1-866-628-7327

Marines -- 1-800-335-9623

Coast Guard -- 1-800-438-8724

Army National Guard -- 1-800-464-8273

Camdenton High School

Personal Plan of Study

Name: _____ Date: _____

GRADE 9

English 9 Honors ____ English 9 ____

Math (YR) _____

Science (YR) _____

World History (YR) _____

P.E. (Sem) Health (Sem.) _____

Elective _____

Elective _____

GRADE 11

English 11 Honors ____ English 11 ____

Government (YR) _____

Math (YR) _____

Science (YR) _____

Personal Finance (Sem.) _____

Elective _____

Elective _____

GRADE 10

English 10 Honors ____ English 10 ____

Math (YR) _____

Science (YR) _____

American History (YR) _____

P.E. (Sem.) _____

Elective: _____

Elective: _____

GRADE 12

English (YR) _____

Electives: _____

Camdenton Graduation Requirements

English	4 credits
Math	3 credits
Science	3 credits
Social Studies	3 credits
Fine Arts	1 credit
Personal Finance	.5 credit
Practical Arts	.5 credit
Physical Education	1 credit
Health	.5 credit
Electives	<u>8.5 credits</u>
Total	<u>25 credits</u>

Career Paths

- Arts, A/V Tech & Communications
- Business Management & Admin.
- Health Services
- Human Services
- Science, Technology, Engineering & Manufacturing
- Agriculture, Food & Natural Resources

Career Goal

Camdenton High School
GRADUATION REQUIREMENTS
AND
College Admission Requirements

In order to graduate from Camdenton High School, students must meet all of Camdenton R-III School district's and the Missouri State Board of Education requirements. In addition to earning the required 25 credits and passing specific required classes, graduates must pass both the U.S. and Missouri Constitution tests.

SUBJECT REQUIREMENTS & CAMDENTON REQUIRED COURSES	ALL STUDENTS	MO STATE COLLEGES & UNIV.
English	4	4
Mathematics	3	3 or 4
Science	3	3
Social Studies	3	3
Fine Arts	1	1
Personal Finance	.5	
Practical Arts	.5	1
Physical Education	1	
Health	.5	.5
Electives	8.5	5.5
Specified Core Electives	-----	3
TOTAL	25	

➤ Some Colleges require foreign language and additional math courses for admission. Please check individual school course requirements.

Graduation

Seniors must have completed ALL graduation requirements to participate in the graduation ceremony and related activities.

Advanced Placement (AP) Credit

Advanced Placement is a national program developed by the Educational Testing Service, which allows academically qualified students to pursue college level studies while in high school. Students desiring AP college credit are required to complete an Advanced Placement course (designated AP) and obtain the required score on the examination. The exam costs are the student's responsibility. The exam is graded on a scale of 1 to 5 and ranked by the Educational Testing Service. These ranks are sent to participating colleges and universities specified by the students. Not all colleges or universities participate in the Advanced Placement program. Advanced Placement (AP) Courses are more difficult and require more homework than regular high school classes.

Students enrolled in AP courses have the option to take the AP examination for which the course has prepared them. Information on taking the exam is available from the teachers of the AP courses and from the guidance department. Check with the Guidance Office regarding the current fee for taking AP tests. Most colleges accept AP credits. However, it is important for students to have accurate information from the school they plan to attend regarding the acceptance of AP credit.

The following courses are offered for AP credit:

AP Biology	AP United States Government & Politics
AP Chemistry	AP English Literature
AP Calculus	AP Comparative Government & Politics
AP Psychology	AP Statistics
AP Computer Science	AP Environmental Science
AP 2D Portfolio Art	AP 3D Portfolio Art
AP U.S. History	

Articulated Credit

Camdenton High School, through the Lake Career & Technical Center, has developed Articulation Agreements with State Fair Community College, Ozarks Technical Community College and Linn State Technical College. The Articulation Agreements offer students, who meet certain criteria, to receive college credit for work completed in high school. Information is available through the Guidance Office.

College Level Examination Program (CLEP)

There are two types of CLEP examinations:

1. General Examinations to measure achievement in the broad areas of Composition & Literature, Science & Mathematics, World Languages, History and Social Studies and Business.
2. Subject Examinations, which measure achievement in specific college-level courses. Some colleges accept CLEP; others do not. It is important for students to have accurate information from the school they plan to attend regarding the acceptance of CLEP credit. CLEP tests may be taken locally through Missouri Career Center 573-346-1766 ext. 230.

DUAL CREDIT WITH STATE FAIR COMMUNITY COLLEGE

Juniors or seniors with a 3.0 GPA may dual enroll for college credit with State Fair Community College. Interested students should contact the high school counseling department for information about cost and placement testing. Students are not eligible for financial aid while in high school. The credits will apply to the high school GPA and will be placed on the high school transcripts as a high school class. College credit will be recorded with State Fair Community College. Students will need to request a transcript be sent from SFCC in addition to their high school transcript when applying for admission to a college. Students should contact the college they plan to attend to determine if the credit will count in the major field or as an elective. Students may enroll in dual credit classes for high school credit only at no cost and without taking the ACT. Required placement testing may be taken through SFCC instead of the ACT to determine eligibility for dual credit classes. Contact the Guidance office to arrange testing.

The following courses are offered for dual credit:

<u>Camdenton High School Course</u>	<u>State Fair Community College Course</u>
1. College English 101	ENG 101 English Composition I (3hrs)
2. College English 102	ENG 102 English Composition II (3hrs)
3. College Algebra	MATH 115 College Algebra (3hrs)
4. College Biology	BIO 112 General Biology (5hrs)
5. College Psychology	PSY 101 General Psychology (3hrs)
6. US History Before 1877	HIST 101 US History before 1877 (3hrs)
7. Speech 101	SPTH 101 Public Speaking (3hrs)
8. World Civilization	HUM 108 World Civilization (3hrs)
9. College Chemistry	CHEM 123 College Chemistry (5hrs)
10. Intro to Theatre	SPTH 107 Intro to Theatre (3hrs)

The following courses are offered as ON-LINE dual credit:

<u>Camdenton High School Course</u>	<u>On-Line College Course</u>
1. Advanced Personal Finance (online)	BADM 107 Personal Finance
2. Principles of Management (online)	BSMT 108 – Principles of Management
3. Intro to CIS (online)	CIS 103 – Intro to CIS
4. Intro to Criminal Justice (online)	CJ 102 – Intro to Criminal Justice
5. General Sociology (online)	SOC 100 – General Sociology
6. Art Appreciation (online)	ART 101 – Art Appreciation
7. Principles of Financial Accounting (online)	ACCT 101 – Principles of Financial Accounting

International Baccalaureate (IB) Credit

The International Baccalaureate Diploma is a pre-university diploma, utilizing international standards, based on an integrated curriculum, infused with globalism. The diploma is an “international admissions credential.” It is offered in 1200 schools, in 117 countries. There are approximately 440 schools in the United States offering the IB Diploma. Worldwide, 60,000 students are working towards the diploma; 28,500 students in the United States are enrolled in the program.

The program is a rigorous course of studies, leading to examination in six academic areas, which meet the needs of highly motivated secondary school students. Designed as a comprehensive curriculum which allows its graduates to fulfill requirements of various national education systems, the diploma model is based on the pattern of no single country but incorporates the best elements of many.

Diploma candidates are required to select from each of the six subject groups, which correspond to the principle domains of knowledge. At least three but not more than four subjects at high level (HL), with the others at standard level (SL). HL courses present a recommended 240 teaching hours, SL courses 150 hours. By arranging work in this fashion, students are able to achieve depth of study in the context of a broad and coherent curriculum over the two-year period.

The diploma is displayed in the shape of a hexagon with six academic areas or subject groups concurrently, and students are exposed to the two great traditions of learning; the humanities and the sciences.

Students working for International Baccalaureate credit are required to complete an International Baccalaureate course (designated IB) and take an examination. The exam costs and registration fees are the student’s responsibility. The exam is graded on a scale of 1 to 7 and scored by the International Baccalaureate Organization. A transcript of those scores will be sent to the college specified by the student. Not all colleges or universities participate in the International Baccalaureate; it is important to check with college admission offices for credit/scholarship information.

Students enrolled in IB courses have the option to take the IB examination for which the course has prepared them. However, if a student elects not to take the IB exam, the student will not receive the “Advanced” weight for the course, but will receive the “Honors” weight. Information on taking the exam is available from the IB Coordinator and from the guidance department. Check with the IB Office regarding the current fee for taking IB tests. Acceptance of IB credit varies from school to school so it is important for students to have accurate information from the school they plan to attend regarding the acceptance of IB credit.

Group 1
English A
IB English A: Literature HL, SL

Group 3
Individual & Societies
IB History of the Americas HL, SL
IB Psychology SL

Group 2
Language B
IB French HL, SL
IB Spanish HL, SL

Extended Essay
Theory of Knowledge (TOK)
Creativity, Action, Service (CAS)

Group 5
Mathematics
IB Math HL
IB Math SL
IB Math Studies SL

Group 4
Experimental Sciences
IB Biology HL, SL
IB Chemistry HL, SL
IB Environmental Sys SL
IB Physics SL
IB Marine Science SL

Group 6
Arts & Electives
IB Visual Arts HL, SL
IB Theatre Arts HL, SL
IB Music HL, SL
IB Psychology SL
A second course from either Group 2-5

Special Features of IB:

1) **Theory of Knowledge (TOK)** is a required interdisciplinary course, intended to stimulate critical reflection upon the knowledge and experience gained inside and outside the classroom. TOK challenges students to question bases of knowledge, to be aware of subjective and ideological biases, and to develop a personal mode of thought based on analysis of evidence expressed in rational argument. The key element in the International Baccalaureate educational philosophy, Theory of Knowledge seeks to develop a coherent approach to learning, which transcends and unifies the academic subjects and encourages appreciation of other cultural perspectives.

2) **Creativity, Action, Service** is known by its acronym CAS and is a fundamental part of the diploma curriculum. The CAS requirement takes seriously the importance of life outside the world of scholarship, providing a refreshing counterbalance to the academic self-absorption some may feel within a demanding school program. Participation in theater productions, sports, and community service activities encourages young people to share their energies and special talents while developing awareness, concern and the ability to work cooperatively with others. The goal of educating the whole person and fostering a more compassionate citizenry comes alive in an immediate way when students reach beyond themselves and their books.

3) Diploma candidates are required to undertake original research and write an **Extended Essay** of some 4,000 words. This project offers the opportunity to investigate a topic of special interest and acquaints students with the kind of independent research and writing skills expected at a university. There are currently 60 subjects, including more than 35 languages in which the essay may be written.

4) The grading system used by the International Baccalaureate Organization is criterion-referenced. This means that each student's performance is measured against well-defined levels of achievement consistent from one examination session to the next. Top grades are not simply awarded "on a curve" to a certain percentage of candidates but rather attainment of knowledge and skills relative to set standards equally applied to all schools. Validity, reliability and fairness are the watchwords of the International Baccalaureate Organization's international assessment strategy.

The following courses are offered for IB credit:

IB Band (SL or HL)	IB French (SL or HL)	IB Physics (SL)
IB Biology (HL)	IB History of Americas (SL or HL)	IB Psychology (SL)
IB Chemistry (SL or HL)	IB Math (HL)	IB Spanish (SL or HL)
IB Choir (SL or HL)	IB Math (SL)	IB Theater (SL or HL)
IB English A: Literature (HL or SL)	IB Theory of Knowledge	IB Math Studies (SL)
IB Environmental Systems (SL)	IB Visual Arts (SL or HL)	IB Music (SL or HL)
IB Marine Science (SL)		

Early Graduation

Any student who desires to graduate from high school in less time than the ordinary eight (8) semesters may request permission to complete graduation requirements on an alternate schedule. The student and parents/guardians will need to consult with the high school principal and guidance personnel to develop a graduation plan. The student's intention should be stated in writing to the high school principal by **September 30th** of his or her final year with the district, along with a copy of the alternate plan for early graduation. Students choosing early graduation are not eligible for local academic awards and recognition such as "Cum Laude" Academic Letter, etc. The early graduates are eligible for local scholarships.

Credit Recovery/Academic Assistance

Summer School - Summer school credits earned by Camdenton High School students can be used to meet the 25 credits required for graduation. Courses in the summer are designed to allow students to make up credit in core subjects they did not receive during the regular school year. Also offered for ½ credit during summer school: P.E., Personal Finance, and Health.

Project P.A.S.S. (Partners Assisting Student Success) Credit Recovery Program - This program offers students who have failed a core curriculum subject the chance earn credit for the failed course. Students in grades 9-12 work with certified teachers to meet minimum requirements. Upon completion of these requirements, a request for credit along with documentation of work will be sent to the Director of Guidance. That office will then assign the regained credit (.5) and assign a "D" for the class grade depending on the percent of proficiency achieved.

Guided Student Hall - Guided Study Hall is designed to give students an opportunity to complete classroom and/or homework assignments that were not completed in class. We want students to be successful in their classes and Guided Study Hall provides the student one class period per day to receive assistance with assignments and preparing for test. Full credit will be given on all assignments turned in through Guided Study Hall as long as the assignment is completed to the teacher's satisfaction. All students scheduled in Guided Study Hall must be placed by the intervention team and guidance office.

ZERO Lab - The goal of ZERO Lab is to give students the opportunity to complete classroom and/or homework assignments that were not completed in class. The message to students and parents/guardians is that we want their students to be successful and we will make every effort to help them, but we need their assistance. The location/hour of the ZERO Lab is held in Camdenton High School Social Studies Computer Lab (C107) Monday-Friday from 3:15-4:15 p.m. and on early release days from 1:45-2:45 p.m. Room C109 is for overflow, if needed. Starting with the 2012-2013 school year, all students enrolled in Camdenton High School will be notified via email (if an email address is provided) or mail regarding information on the ZERO Lab. Students attending the program receive one-on-one assistance from teachers and an A+ tutor if needed. The A+ Office uses School REACH to notify parents/guardians if their student is missing an assignment and needs to attend. The student is given one day to complete the missing assignment. Credit will be given as long as the assignment is completed to the teacher's satisfaction. Parents are encouraged to use the Parent Portal to check on students' missing assignments. In the event the student has not received a call but has missing assignments, parents are asked to be proactive by encouraging after school attendance in the zero lab. At this time, no transportation is offered after ZERO Lab.

Correspondence Credit - Camdenton High School recognizes correspondence credit on a limited basis and from institutions recognized by district policy. For questions concerning correspondence credit, students must contact their Guidance Counselor. You may access Camdenton R-III School District Policy online at www.camdentonschools.org click on the District Information icon, and then click on the School Board prompt.

Missouri Option Program

The Missouri Option Program is a program that helps Missouri high school students who are behind on credits. Camdenton High School offers this program to students who are a year behind on credits and those who are considering dropping out as an opportunity to graduate with their cohorts. This program allows the student to enroll in Horizons Laker Educational Center and work toward a high school diploma. Students must attend a minimum of fifteen hours per week to prepare for taking and passing the GED. In addition, students must work and/or take classes 15 hours each week and have passed Government, Health and Personal Finance classes as part of this program. If the student successfully completes all requirements, they are eligible to graduate with their class and receive a high school diploma. Contact your counselor, high school principal or the director of Horizons to learn more about this option for a diploma.

STUDENT INFORMATION

College Night

Students in grades 11-12 are given the opportunity to visit and gather information from colleges, military representatives, and other post-secondary educational institutions at this October event.

College Visits

College visits are available for juniors and seniors. Seniors get 4 visits and Juniors get 2 visits. Students must provide verification of the college visit upon their return to school. College visits will not count against perfect attendance.

Visiting College & Military Representatives

College and military representatives visit Camdenton High School throughout the year. These visits are coordinated through the Guidance Office.

For military representatives please call:

Army – 800-872-2769

Air Force – 800-423-8723

Navy – 866-628-7327

Marines – 800-335-9623

Coast Guard – 800-438-8724

Army National Guard – 800-464-8273

Financial Aid Night

Financial Aid Night is a detailed presentation that assists parents/guardians in completing the FAFSA (Free Application for Federal Student Aid) form. This form must be completed to qualify for federal financial aid. Completing this form also meets the A+ Schools Program requirement seeking available federal post-secondary student financial assistance funds that do not require repayment for A+ Tuition Reimbursement.*

*See the Guidance Office for forms and more detailed information.

Scholarships

All Camdenton seniors are eligible to participate in the local scholarship program. Several scholarships are available only to vocational school graduates. Some scholarships are available only to seniors who will attend a 4-year college. In addition, many post-secondary institutions and colleges offer scholarships to outstanding students based on academic merit, athletic ability and/or financial need.

SPECIAL RECOGNITION PROGRAM/AWARDS

Missouri Scholars Academy

The Missouri Scholars Academy is a three-week academic program for 330 of Missouri's students who are ready to begin their junior year in high school. The Academy is a residential program held on the campus of the University of Missouri-Columbia. Selections are based on student scores from selected individual intelligence (WISC-IV) and aptitude tests (PSAT or Plan) and grade point average. The three major purposes of the Missouri Scholars Academy are:

- ✓ To help gifted students achieve their full potential and motivate them to use their abilities in attaining higher goals.
- ✓ To encourage local schools to establish and/or improve programs for academically gifted young by providing leadership in curriculum development and teaching strategies.
- ✓ To provide the state with trained teachers and special materials that can help improve education for academically gifted students.

Missouri Fine Arts Academy

The Missouri Fine Arts Academy is a three-week residential program for about 150 of Missouri's artistically talented students who are ready to begin their junior and senior year in high school. Students are nominated by the fine arts department. The Academy has three primary purposes:

- ✓ To help artistically gifted students achieve their full potential and motivate them to use their abilities in attaining higher goals.
- ✓ To encourage local schools to establish and/or improve programs for artistically gifted youth by providing leadership in curriculum development and teaching strategies.
- ✓ To provide the state with trained teachers and special materials that can help improve education for artistically gifted students.

National Merit Competition

More than 1.3 million juniors in over 20,000 U.S. high schools entered the National Merit Program by taking the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT), which serves as an initial screening of program entrants. To be a finalists, semifinalist must have a record of very high academic performance, be endorsed and recommended by their principal, and earn SAT scores that confirm their earlier qualifying test performance. The semifinalist and a school official must submit a detailed scholarship application, which includes the student's self-descriptive essay and information about the semifinalist's participation and leadership in school and community activities.

About 90 percent, or approximately 15,000 Semifinalists, are expected to advance to the Finalist level of the competition, and some 8,000 of them will win merit Scholarship awards. All merit Scholar designees will be selected from the Finalist group on the strength of their accomplishments and abilities and without regard to gender, race, ethnic origin, or religious preference.

Academic Letter

The student council has approved the following criteria for receiving an Academic Letter:

1. The student must have a 3.80 overall GPA on a weighted scale. The student shall not have any grade below a C- for the first semester of the current year.
2. Weighted classes. Freshman and sophomores must have at least one weighted class each semester. Juniors and seniors must have two weighted classes for each semester or four weighted semester classes for the current year. The letter will be presented to students during an honors assembly held during the month of May.

All School Awards

Awards will be presented for the following in an assembly in May:

- Academic Letters
- Scholar Athlete Awards
- Attendance Recognition
- Departmental Awards
- School/Community Service Award

Presidential Award for Educational Excellence

This award is given to seniors who have earned a grade average of 90 on a 100-point scale, an A- on a letter scale or a 3.5 on a 4.0 scale and who have also scored at or above the 85th percentile on a standardized achievement test such as the ACT (reading or math) or SAT.

National Honor Society

The National Honor Society is an organization for outstanding students in grades 10, 11, & 12. The students are selected by a faculty advisory committee. To be eligible for National Honor Society, a student must have a 3.75 grade point average, or above, on the weighted scale. They must also complete and document at least 20 hours of community service, as well as demonstrate examples of leadership and outstanding character. These qualities must be maintained throughout their high school years to remain a member. In addition, the member must complete 20 hours of community service and earn at least half of the available points, which can be achieved through NHS activities and meetings. An induction ceremony will be held in the spring to honor new members. Students must be present for the induction in order to be a member.

Cum Laude Recognition

Criteria

Grade Point Average: (on a weighted scale)

4.2 or higher – Summa Cum Laude

4.0 – 4.19 – Magna Cum Laude

3.80 – 3.99 – Cum Laude

Number of Weighted Classes:

- Sophomores must have completed a minimum of one weighted class per semester.
- Juniors must have completed a minimum of two weighted classes per semester.
- Seniors must have completed a minimum of three weighted classes per semester.

A student transferring from another school district must complete the last four semesters in this school and complete 12 semester-weighted classes to qualify for Cum Laude recognition.

The Camden High School Course Weighting System

The Camden High School weighted system is divided into three distinct tiers entitled: regular coursework; honors coursework; and advanced coursework.

The requirements for each tier are as follows:

- Regular coursework are classes that do not meet the published criteria for weighting, are introductory courses, or not advanced in a course sequence.
- Honors coursework are classes that meet a higher level of rigor. Examples of honors coursework would include dual credit classes and advanced sequence classes in each discipline that meets the requirements for weighted coursework. These courses are labeled (HW) in the course description and grid.
- Advanced coursework are classes that meet the highest level of rigor and the published weighted criteria by including external assessments and auditing such as those required by the International Baccalaureate, Advanced Placement and PLTW programs. These courses are labeled (AW) in the course description and grid.



Failure to take the AP, PLTW, or one-year IB course examination will result in a reduction of weighted credit from 1.0 (advanced weight) to .5 (honors weight). Failure to continue two-year IB courses or take two-year IB course examinations will result in the reduction of weighted credit from 1.0 (advanced weight) to .5 (honors weight) for the Junior and Senior level courses.

CHS WEIGHTING SYSTEM (begins w/class of 2013 and beyond)

Grade	Percentage	Regular Courses	Honors Weight	Advanced Weight
A	100-95	4.0	4.5	5.0
A-	94-90	3.67	4.17	4.67
B+	89-87	3.33	3.83	4.33
B	86-83	3.0	3.5	4.0
B-	82-80	2.67	3.17	3.67
C+	79-77	2.33	2.83	3.33
C	76-73	2.0	2.5	3.0
C-	72-70	1.67	2.17	2.67
D+	69-67	1.33	1.83	2.33
D	66-63	1.0	1.5	2.0
D-	62-60	.67	1.17	1.67
F	59-0	0	0	0

- A multiplier will be applied after the completion of the sixth semester (for scholarship and collegiate purposes), the end of the seventh semester, and at the end of the eighth semester that will account for the number of academic courses taken during the academic career of a student. This is a “value added” multiplier applied to the student grade point average, which adjusts for the number of courses taken during the high school career by giving a higher multiplier to students who take a full schedule each academic year (e.g. do not take study halls or other non-credit courses) and provided a more equitable format for students who are involved in co-curricular courses. A cap of 24.5 credits is applied during the sixth semester calculations and 28 during the eighth semester calculation, which indicates that student is rewarded for taking courses up to the capped number, and no further value may be added by taking classes beyond the established caps.

Missouri State High School Activities Association Eligibility

Knowing and following all MSHSAA standards will enable a student to protect his/her athletic eligibility. Also, it is important to know that all the standards must be met in order to be eligible. Grades received the **preceding** semester will determine eligibility for each semester. High school eligibility begins the first semester of the freshman year and ends the eighth semester (whether or not a student graduates). To be eligible, students in grades 9-12 must be currently enrolled in at least three credits in school and have received passing grades in a minimum of three units of credit the previous semester. First semester freshman are automatically eligible.

NCAA College Freshman Eligibility Requirements

If you are planning to enroll in college and wish to participate in Division I or Division II sports, you must be certified by the NCAA Initial-Eligibility Clearinghouse. This process should begin the beginning of your junior year. For more information on this process, go to (**eligibilitycenter.org**). The following Camdenton High School classes have been designated as NCAA approved Core Courses:

English

21 st Century Communications	Communications	College English (English Comp I)
College English (English Comp II)	College Speech	Creative Writing
Masterpieces in World Literature	Debate	English Literature/AP
Competitive Performance Events	Grammar	English 9
English 10	English 11	Lit & Other Readings
IB English A: Literature I & II	Speech	IB Theory of Knowledge

Mathematics

Algebra I	Algebra II	Algebra II A
AP Calculus	College Algebra	Geometry
Math Analysis	Statistics	Trigonometry
IB Math I & II	IB Math Studies I	IB Math Studies II
AP Statistics	AP Computer Science	

Social Science

Africa	American Government/AP	American History
AP Psychology	College Psychology	Comparative Government/AP
Economics	Europe	Far East
Government A	International Relations	Latin America
Law & You	Middle East	Psychology
Russia	US History Pre 1877	World Civilization
World History/Geography A	IB History of America I & II	IB Psychology
AP U.S. History		

Natural/Physical Science

Anatomy & Physiology	AP Biology	AP Chemistry
Astronomy & Meteorology	Chemistry of the Environment	College Biology
College Chemistry	Forensic Science	IB Biology I & II
IB Environmental Systems I & II	IB Chemistry I & II	IB Physics I & II
Marine Biology	Physical Science	Physics
Physics First	Principles of Biology A	Principles of Biology B
Principles of Technology	Quantitative Analysis Chemistry	Science Research
AP Environmental Science	IB Marine Science	

Additional Core Courses

French I A	French II A	French III
French IV	French V	IB French III, IV & V
Spanish I A	Spanish II A	Spanish III
Spanish IV	Spanish V	IB Spanish III, IV & V

TEST SCHEDULE

PLAN

The PLAN test is given to all **sophomores** during a school day **in the fall**. There is no cost to students. The test covers the areas of English, Mathematics, Reading and Scientific Reasoning. Results provide students with an early indication of their educational progress in view of their educational and career options. Sophomores take the test as part of the nomination process for the Missouri Scholars Academy.

PSAT

The Preliminary Scholastic Aptitude Test (PSAT) is given in October. This is an optional test recommended for college bound sophomores and junior students. Sophomore scores on this test are used as part of the nomination process for the Missouri Scholars Academy. This test will also provide practice for the junior year when a student may enter the National Merit Scholarship competition. (Juniors interested in the National Merit Scholarship Competition must take the PSAT to be considered). There is a fee charged for this test.

Advanced Placement Examinations (AP)

Advanced Placement will be given in early May. See the Guidance Office for testing schedule.

ACT

This college entrance exam is available for all students. Any student who plans to attend a four-year college or university will need either an ACT or SAT assessment score for admission. The ACT is given at Camdenton High School on a Saturday in the months of September, October, December, February, April and June. ACT recommends that students should first test during the middle of their junior year. Application information, testing schedules and test preparation materials are available through the Guidance Office.

SAT

SAT (Scholastic Assessment Test) scores are used for college admission purposes. Many schools on the east and west coast require SAT I (general test) and/or SAT II (subject specific tests) scores. Check the requirements of each college to which you plan to apply.

International Baccalaureate (IB)

IB exams are given in May of the junior or senior year. IB students are required to sit for examinations in order to earn IB credit on their transcripts. IB exams are moderated externally and scores are reported to the student and the school in July. Testing schedules and sample examinations are available in the International Baccalaureate office.

End of Course (EOC)

End of Course Exams are given in the areas of English 9, English 10, Biology, Algebra I, and Government. EOC tests are administered by the Department of Elementary and Secondary Education. Scores from the EOC will count as 10% of the student's final grade for the course.

When Scheduling, Students Should Be Aware of the Following:

- ✓ Actual class offerings will depend on student choices, teacher availability, and room assignments.
- ✓ All classes meet for one period each day during each semester and receive ½ unit of credit, with the exception of study hall. Classes that meet one period all year receive one full credit. Classes that meet for three periods all year receive three full credits.
- ✓ Classes designated as “HW” or “AW” are designed for college-bound students, are more difficult, and require more work.
- ✓ In elective classes where projects are required, the student may be expected to pay for the materials used in their projects.
- ✓ Students who have failed in one or more subjects required for graduation, should include these subjects in their schedule as soon as possible or see a guidance counselor to discuss a plan to recover credit.
- ✓ Students should be updating their “Personal Plan of Study” each year.
- ✓ Due to class size and limited class offerings, the ability to change a class simply because a student does not like the class is impossible. Schedule changes are limited to teacher-initiated changes and are based upon a student’s inability to complete the course work.
- ✓ An academic course, which has been successfully completed with a passing grade, cannot be repeated for credit. Some electives, however, can be repeated for advanced studies such as Band, Choir, Debate, Forensics, Mass Media, Yearbook, Video Production, Broadcasting, and Weight Training.
- ✓ If a student and parent request withdrawal from a class after 10 days, the student will receive a semester grade of an “F” for that class on their grade card. An exception to this would be a student transferring to a different class in the same subject area. For example: English 11 Honors to English 11.
- ✓ If a student takes and passes Algebra I in middle school, the class will satisfy the prerequisite for higher math in high school and count toward meeting college entrance requirements, but will not be listed as a high school credit.

Scheduling Timeline and Guidelines for Schedule Changes

The following dates are tentative but will give each student and parent an idea of the approximate amount of time needed to schedule students and make final schedules available to each student. Due the number of students enrolled in Camden High School, completion of the master schedule does require a great deal of time. We appreciate your patience and cooperation in this process.

Sample Timeline

- ✓ January – Pre-enrollment meetings are held and students submit their desired coursework for the upcoming year.
- ✓ February – Students’ final course requests are made.
- ✓ August – Students may pick up schedules on designated student registration nights.

Schedule Change Criteria

Due to the number of students at Camden High School and our commitment to providing a strong curriculum that holds all students to high standards, schedule changes will **only** be allowed for the following reasons:

- ✓ Scheduling error (e.g., scheduled into the same course twice).
- ✓ Course overcrowding.
- ✓ Insufficient prerequisites.

Numerous schedule changes create serious problems in any school. Staffing decisions are based on the students scheduled into courses and frequent changes can easily create course overloads in many departments.

In the event that a student wishes to change schedules within the first ten days of school, the following criteria must be met:

- ✓ Conference with counselor
- ✓ Conference with teacher
- ✓ Parent/teacher conference
- ✓ Administrative Approval

***Schedule changes after the first ten days of any semester will only be approved in the event of a serious emergency (e.g., long-term illness).**

COURSE DESCRIPTIONS

Advanced Placement (AP)

Students enrolling in an advanced placement course should check for any prerequisite requirements prior to enrolling in the course. In order to receive an advanced weight, students must take the AP exam on the testing date that is determined each year by the College Board. The exam costs are the student's responsibility. The exam is graded on a scale of 1 to 5 and ranked by the Educational Testing Service. These ranks are sent to participating colleges and universities specified by the students. Not all colleges or universities participate in the Advanced Placement program. Advanced Placement Courses (AP) are more difficult and require more homework than regular high school classes.

Students enrolled in AP courses have the option to take the AP examination for which the course has prepared them. However, if a student elects not to take the AP exam, they will receive an "Honors" weight rather than an "Advanced" weight. Information on taking the exam is available from the teachers of the AP courses and from the guidance department. Check with the Guidance Office regarding the current fee for taking AP tests. Most colleges accept AP credits. However, it is important for students to have accurate information from the school they plan to attend regarding the acceptance of AP credit.

AP English Literature [Grades: 11-12] (1 credit: year-long class) [AW][Prerequisite: Student must have taken at least 2 years of Honors English and carried at least a B average in those classes OR have approval from instructor to take the course]

This is a year-long junior and senior class of college level difficulty open to students who want to read challenging literature with an in-depth analytical approach. It includes the reading of and written analysis of poetry, novels, and dramas. The student enrolling in this class should be a superior reader of difficult literature, have a firm background in literary analysis, and have a high proficiency level in areas of mechanics, grammar, organization, and logic.

One Flew Over the Cuckoo's Nest

Their Eyes Were Watching God

The Effects of Gamma Rays on Man-in-the-Moon Marigolds

Lord of the Flies

Watership Down

She Stoops to Conquer

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

AP US Government and Politics [Grade: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Student must have received a B or above in American History]

American Government is a course designed to meet the state standard of a course in the basic structures, functions, and operations of government at national, state, and local levels. The course provides an analysis of the nature of the American political system, its development and operation. This course is an Advanced Placement, college level course that requires additional readings, research, and analysis. The students will gain basic factual and conceptual information from readings, note taking, and research. Application of the information concepts to current presentations will be a part of the course, as well as preparation for utilizing such skills for political participation in the future.

AP Psychology [Grades: 11-12] (1 credit: year-long class) [AW] [It is recommended that students must have taken Psychology and earned at least a B]

This is a weighted, Advanced Placement, college level course. This course is more quickly paced and detailed than Psychology. It also requires individualized projects, such as designing, conducting and reporting to the class the results of an original experiment.

AP U.S History [Grade: 11-12] (1 credit: year-long class) [AW] Prerequisite: Students must have taken World History. (10th graders MAY take this course with instructor permission)

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problem and materials in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials, their relevance to a given interpretive problem, reliability, and importance, and to weigh the evidence and interpretation presented in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

AP Biology [Grades: 11-12] (1 credit: year-long class) [AW] Prerequisites: Chemistry in the Environment and Biology

A college level biology course with a strong laboratory emphasis. College exams and laboratories are used. Topics of study include cellular biology, plant physiology, animal physiology and ecology.

AP Chemistry [Grades: 11-12] (1 credit: year-long class) [AW] Prerequisite: Algebra II or concurrently enrolled AND College Chemistry 123

A college-level chemistry course which covers in great detail the skills and concepts associated with reaction kinetics, chemical equilibrium, changes in matter, atomic structure and bonds, solubility products, entropy, acid-base systems, oxidation-reduction and electrochemistry, qualitative analysis, quantitative analysis, and thermodynamics. The course has a strong laboratory emphasis in inquiry.

AP Environmental Science [Grades: 11-12] (1 credit: year-long class) [AW] Prerequisite: Freshman Physics & Chemistry of the Environment - Biology may be taken concurrently

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

AP Computer Science [Grades: 10-12] (1 credit: year-long) [AW] Prerequisites: Students must have earned an "A" in Algebra II OR at least a "B" in Java I & II with teacher recommendation.

This course is an object oriented programming course primarily utilizing the Java Programming language. In addition, the course will emphasize procedural and data abstraction, design methodology, algorithms, and data structures.

AP Statistics [Grades: 10-12] (1 credit: year-long) [AW] Prerequisites: Student must have either earned an "A" in Algebra II OR at least a "B" in Statistics with teacher recommendation

The topics for this course are divided into four major themes: Exploratory analysis, which includes using graphical and numerical techniques to study patterns in data, planning and conducting a study, probability and distribution modeling, and statistical inferences, i.e. estimating population parameters and hypotheses testing. Though it is *not required*, it is *preferred* that students take Statistics before enrolling in this course.

AP Calculus [Grades: 11-12] (1 credit: year-long class) [AW] Prerequisites: Algebra II, Trigonometry and Geometry with a recommended B average

AP Calculus is a college level course. The course deals with the study of functions, limits, differentiation and integration. The application of derivatives and integrals in a variety of problem situations will be emphasized.

AP 2D Portfolio Art (Drawing/Painting) [Grades: 11-12] (1 credit: year-long class) [AW]

Prerequisites: Art I, Drawing I & Portfolio review w/instructors

This portfolio is intended to address two-dimensional design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. Students are asked to demonstrate master of 2D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, wearing, fashion illustration, painting and printmaking.

AP 3D Portfolio Art (Ceramics/Sculpture) [Grades: 11-12] (1 credit: year-long class) [AW]

Prerequisites: Art I, Ceramics I and profolio review w/instructors

This portfolio is intended to address sculptural issues. Design involves purposeful decision making about using the elements and principles of art in an integrative way. Students are asked to demonstrate their understanding of design principles as they relate to the integration of depth and space and volume and surface. The principles of design can be articulated through the visual elements.

High School/State Fair Community College & On-Line Dual Credit

Dual Credit is earned by enrolling with State Fair Community College and Camdenton Senior High School. Students must have a 3.0 GPA. Students must pay the regular college fees for these classes if they are to receive college credit. Students are not eligible for financial aid while still in high school. College credits will be transcribed and apply to college GPA. SFCC credits are transferable to most other colleges and the courses are approved by the College Board of Higher Education in Missouri. You need to check with the admissions office of the college you plan to attend to be sure how the credits are counted in any major field. Courses will count for both high school and college credit and GPA. Students enrolling in Dual Credit classes must have taken a placement test through SFCC or the ACT in February, April or June prior to enrolling.

Check with the Guidance Office for current class costs.

The Guidance Office has letters on file from the admissions offices of the colleges and universities, who state they will accept SFCC credit as general requirements. Specific major fields may count the credits as an elective credit: Please discuss this information with your high school counselor and college advisor.

Dual Credit - Classroom Classes

BIO 112 - College Biology [Grade: 11-12] (1 credit: year-long class) - 5 college credit hours [HW]

The essential principles and unifying concepts of biology are developed by studying biological processes and levels of organization, including lectures and labs each week. This course is a general course and meets requirements for most college majors. Students planning to major in science should not take this class. Students who have passed the Advanced Placement Examination **are not eligible** to enroll in this course.

CHEM 123 - College Chemistry [Grade: 10-12] (1 credit: year-long class) - 5 college credit hours (if requirements are met) [HW] Prerequisite for Sophomores: Must have earned an "A" in Algebra IA AND an "A" in Freshman Physics AND scored Proficient or Advanced on the Algebra EOC OR with instructor's permission

This is a college chemistry course is for students seeking dual credit for high school and college. It is an in-depth course that follows the same concepts and skills taught in a science major's beginning chemistry course at most colleges and universities. The skills and concepts associated with this course, which are covered in great detail, are science reasoning, changes in matter, atomic structure and bonds, stoichiometry, oxidation reduction, properties of solutions, properties of gases, thermodynamics, electronic structure, and acids/bases. A strong math background is highly recommended as the concepts and skills associated with the course are taught using extensive problem solving techniques. This course will meet most college's general education requirement for a laboratory science class.

ENG 101 – English Composition [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

Designed to provide experience in writing as a process while focusing on purpose and audience. Students should be able to read and listen critically, responding appropriately to a wide variety of sources with regard to relevancy and logic. Individual conferences with the instructor are employed and practice in organizing essay in various forms of exposition is provided but not emphasized.

ENG 102 – English Composition [Grade: 11-12] (1/2 credit: semester class) - 3 College Credit Hours [HW]

Critical reasoning research and literature are used as a basis for essay writing.

HIST 101 – US History Before 1877 [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

A survey of the political, economic and social development of the United States from its European origins through Reconstruction. A study of the Missouri Constitution is included to meet the State's requirements in Senate Bill No. 4.

HUM 108 – World Civilization [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

A survey of political, social, military, cultural, and religious history of Europe and Asia from primitive man to the seventeenth century.

MATH 114 – College Algebra [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

This course is not for any student planning to enter a math related or engineering field in college. Topics discussed shall include equations, inequalities, algebraic functions, exponential functions, logarithmic functions, matrices, determinants, math progressions, and the Binomial Theorem with other topic applications deemed appropriate.

PSY 101 - General Psychology [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

An introduction to the scientific study of the behavior, which includes a survey of historic and current theories and theorists in the field. Students investigate and discuss these areas: neurology, development, learning, intelligence, personality development, emotional disorders and therapy. Students who have taken AP or IB Psychology are not eligible to enroll in this course.

SPTH 101 - Public Speaking [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

A study and practice of basic techniques involved in generating, designing, delivering and evaluation ideas for speech situations facing adults of our society.

SPTH 107 – Introduction to Theater: [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

A survey of theatre class which covers the main elements of theatre, various theatrical cultures, theatre throughout history, and theatrical production values through reading, lectures, group projects, and activities. This class will provide the student with a wide variety of theatrical knowledge; this is not an acting class and is for college bound students of any kind.

Dual Credit - Online Classes

ACCT 101 - Principles of Financial Accounting Online [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW] Prerequisite: Student must have earned a C or better in Accounting I.

This course is an introduction to the fundamental principles of financial accounting. Generally accepted accounting principles are used to identify and properly classify the various elements of financial statements and to analyze the effect of business transactions on the earnings, financial position and equity of business entities.

BADM 107 – Personal Finance Online [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

This course serves as an introduction to personal finance management. Examines the techniques necessary to analyze and make choices concerning major purchases, tax planning, insurance, borrowing, investing, and other personal finance issues.

BSMT 108 – Principles of Management Online [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

Introduction to the theory and practice of management covering the basic functions of management: planning, organizing, leading and controlling.

CIS 103 – Introduction to CIS Online [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

Course teaches the skills necessary to understand the logic of computer programming, design and structure. Students will be presented effective tools needed to enhance their knowledge of using the latest innovations in technology.

CJ 102 – Introduction to Criminal Justice Online [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW]

Course examines the history, development and function of the criminal justice system in America, the three major components of the system: police, courts and corrections, and how they are interrelated.

SOC 100 – General Sociology Online [Grade: 11-12] - (1/2 credit: semester class) - 3 college credit hours [HW]

This course is an introduction to the basic principles, concepts, research strategies, and empirical findings representative of the field today. It explores the relationships of individuals and groups in the context of broader social patterns, and establishes a basis for further study in the field. Course topics may include gender and racial inequality, deviance, economic and political institutions, social mobility and concepts related to current social and cultural change.

ART 101 – Art Appreciation Online [Grade: 11-12] - (1/2 credit: semester class) - 3 college credit hours [HW]

Study of art history from the end of the 19th century through the present. Includes the evolution of art by focusing on the major art movements of the past 100 years. Encourages appreciation of visual art through the study of content, design, technique, and criticism. Students learn how art changed during this period and how it reflects the dynamics of 20th century civilization.

INTERNATIONAL BACCALAUREATE

International Baccalaureate (IB) Courses

IB English A: Literature (I) (HL or SL) [Grade: 11] (1 credit: year- long class) [AW] [Prerequisite: English 9 Honors/English 10 Honors]

IB English is a two-year junior/senior course emphasizing the study of written language and literary analysis. The literature studied in this course and the assessments will satisfy IB syllabus requirements for English A1 Higher Level program. Students will perform both written and oral assessments (internally graded by the teacher and externally graded by an IB examiner.) Students will analyze, synthesize, and evaluate drama, poetry, novels, and other prose in British, American, and World literature. The course will also emphasize thematic and philosophical connections as well as differences in literary periods, styles, and contexts. The following texts have been selected for inclusion in this class:

One Day in the Life of Ivan Denisovich	The Plague
Waiting for Godot	The Great Gatsby
The Assault	Essays by Ralph Waldo Emerson
Robert Frost Poetry	T.S. Eliot Poetry
Tomas Transtromer Poetry	

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

IB English A: Literature (II) (HL or SL) [Grade: 12] (1 credit: year- long class) [AW] [Prerequisite: IB English A: Literature]

All senior IB English students will take this class their senior year. This class is the sequel course to IB English A: Literature (I). The following texts have been selected for inclusion in this class:

Seamus Heaney Poetry	Macbeth
Animal Farm	Things Fall Apart
A Tale of Two Cities	Pride and Prejudice
The Things They Carried	

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

IB History of Americas I (HL or SL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: World History/Geography A, and Government A]

This is a two year course designed to prepare students to test at the Higher Level in IB History at the end of their senior year. Students will study both selected historical topics from the history of the Americas. Specific areas of study include late 19th century political developments, the Great Depression, 20th century presidential history, the Civil Rights Movement, and the two world wars. Students will also complete an internal assessment for the IB during their junior year.

IB History of Americas II (HL or SL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB History of Americas I (HL)]

All senior IB History of Americas students will take this class their senior year. This class is the sequel course to IB History of Americas I.

IB Math Studies I (SL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: Algebra IA/Geometry A]

IB Math Studies is a course designed to prepare students for the International Baccalaureate Math Studies Standard Level Exam and to complete the Mathematics portfolio requirements for IB. Topics of study include fundamental algebra, sets & logic, geometry and trigonometry, statistics & probability, functions, and financial mathematics. This course should be taken by students pursuing the International Baccalaureate Diploma.

IB Math Studies II (SL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Math Studies I (SL)]

IB Math Studies students may take a second year of Math Studies I (SL) as a sequel course.

IB Math SL I [Grade: 11] (1 credit: year-long class) [AW][Prerequisite: Algebra I/Geometry A/Algebra IIA]

Math SL is an IB two-year sequence of study for students who are interested in studying math at a more extensive level. Students will take the Math SL International Baccalaureate exams at the end of their senior year.

IB Math SL II [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Math SL I]

This class is the second year sequel course to IB Math SL I. All IB Math SL seniors need to take this course.

IB Math HL [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Math SL II]

This course is for students who have completed both years of IB Math SL.

IB Spanish III (SL or HL) [Grade: 11](1 credit: year-long class) [AW] [Prerequisite: Spanish IA, Spanish IIA]

This is the first course in a two-course sequence for students who are pursuing the IB Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level. The class will be conducted entirely in Spanish.

IB Spanish IV (SL or HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: Spanish IA/ Spanish IIA/IB Spanish III]

This is the second course in a two-course sequence for students who are pursuing the IB Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level. The class will be conducted entirely in Spanish. At the end of the course, students will take the IB exam for Spanish B.

IB French III (SL or HL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: French IA/ French IIA]

This is the first course in a two-course sequence for students who are pursuing the International Baccalaureate Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level.

IB French IV (SL or HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: French I A/ French II A/ IB French III]

This is the second course in a two-course sequence for students who are pursuing the International Baccalaureate Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level. The class will be conducted entirely in French. At the end of the course, students will take the International Baccalaureate exam for French B.

IB Biology I (SL or HL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: Pre-Chem/Physics A, Biology A]

IB Biology is a two-year course designed to prepare students for the Standard Level International Baccalaureate Exam. Internal Assessment will comprise 40 hours, including Laboratory Investigations (25-30) and the Group 4 Project (10-15 hours). This course follows the rigorous International Baccalaureate curriculum regarding the biological world. Course topics include cells and their metabolism at the molecular level, genetics, evolution, protein synthesis and gene expression, and plant biology. Students will be conducting research and writing papers in current international events regarding biology. Extensive laboratory work will be conducted and students are expected to keep a detailed portfolio of lab activities. A mandatory Group 4 ecological field project will be conducted with students from the other IB science courses. Topics covered in the second year will emphasize human anatomy and physiology, immunology, reproductive physiology, and ecology. Students will be required to take the International Baccalaureate SL or HL exam and submit their laboratory portfolios to the IB organization for grading.

IB Biology II (SL or HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Biology I (SL or HL)] This class is the sequel course to IB Biology I (SL or HL). All seniors who are in IB Biology (SL or HL) will take this class.

IB Marine Science [Grade: 11-12] (1 credit: year-long class [AW]).

Marine science is the study of both living and non-living processes within the Earth's oceans. This course will use a global perspective to cover topics related to both Marine Biology and Oceanography with a focus on current research related to the Marine Science field. *Students enrolled in this course will have the opportunity to participate in a week-long marine science field experience on an island off the coast of Belize during the summer following completion of the course.*

IB Environmental Systems I (SL) [Grades: 11-12] (1 credit year-long class) [AW] [Prerequisite: Physical Science/Biology]

Environmental Systems aims to provide students with a good scientific perspective on the environment. The course allows students to understand their relationship with the environment and the significance of choices they make and decisions they make in their own lives. This subject is for those who have a real interest in contemporary environmental issues. Environmental systems connect the fields of Biology, Geography, Chemistry, and Physics by covering aspect of climate, ecology, pollution, and land management. Fieldwork and practical activities are an integral part of the course, and allow the students to develop their understanding and skills.

IB Chemistry I (SL or HL) [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisites: Pre-Chem/Physics, Biology A]

Chemistry (SL) is designed to meet the needs of those who want to study science at a university level and also those who will complete their formal study of science at the end of the course. Course topics at both levels include: stoichiometry; atomic theory; periodicity; bonding; states of matter; energetics; kinetics; equilibrium; acids and bases; oxidation and reduction; and organic chemistry. Chemistry SL students must complete three of six optional topics in: higher organic chemistry; higher physical chemistry; human biochemistry; environmental chemistry; chemical industries; or fuels and energy. Chemistry HL students must complete 250 hours of study and three of six optional topics in: higher organic chemistry; higher physical chemistry; human biochemistry; environmental chemistry; chemical industries; or fuels and energy. All International Baccalaureate experimental science classroom times are devoted to performing practical (laboratory) work that covers a range of topics and skills, including a multi-disciplinary group science project.

IB Chemistry II (SL or HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Chemistry I (SL)]

This class is a sequel course to IB Chemistry I (SL or HL). All seniors who were enrolled in IB Chemistry I (SL or HL) will enroll in this course.

IB Physics I (SL) [Grade: 11] (1 credit year-long class) [AW] [Prerequisite: Pre-Chem/Physics, Biology]

This course is designed for first-year IB Physics SL students (juniors) or students taking a general one year physics course. The course includes the study of matter and energy and the relationships between them through theory and experimentation. Over a one-year academic period, students obtain a comprehensive foundation of the core topics of physical measurement, mechanics, waves, optics and electricity and magnetism. Students comprehend, analyze, apply, evaluate and synthesize physics theories and laws and perform scientific investigations that complement one another. Understanding is enhanced through problem solving and laboratory work.

IB Physics II (SL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Physics I (SL)]

This course is designed as a second-year course covering additional topics not covered in the first year physics course in order to meet all of the IB curriculum requirements. The following topics will be covered: thermal physics, atomic and nuclear physics, energy, power and climate change, including the SL options of sight and wave phenomena, and electromagnetic waves. Students will be required to complete multi-disciplinary group science project as part of the requirements for this course. This is the second one-year course in the two-year sequence to prepare students to take the IB Standard Level assessment.

IB Psychology (SL) [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisites: Students must be enrolled in the IB program, or have the permission of the IB coordinator and the IB course instructor]

IB Psychology is a one-year course that prepares students for the Standard Level International Baccalaureate Exam. Course study must include all three international compulsory standards: the biological perspective, the cognitive perspective and the socio-cultural perspective. Additionally, students will study one additional area of psychology, chosen by the instructor, from a list including: comparative psychology, developmental psychology, health psychology, cultural psychology, social psychology and the psychology of dysfunctional behavior. All students are also required to complete and report on a partial replication of one simple psychological experimental study of their choosing. Throughout the course, students will also focus on quantitative research methods and ethics.

IB Music (SL) and (HL) [Grades: 11-12] (1 credit: year-long class) [AW].

IB Music (HL) will be a two-semester course of study involving aspects of music history, and analysis. Students will be required to complete requirements as specified by IBO. Students will receive weighted credit for their senior level and or choir ONLY if they are testing in Music HL. No weighted credit for band or choir will be given to students testing in Music SL.

IB Band (HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: Band classes during 9th and 10th grades].

IB Band HL is a year study course in which the student prepares for one or more solo or ensemble recitals of 15-20 minutes. Emphasis is on musical perception and analysis of specific works derived from the study of various musical genres and styles. Students compose, perform, and record an original work along with a written statement concerning the composition. Enrollment in this course is limited to students pursuing the International Baccalaureate Diploma and preparing for the IB Higher Level Exam.

IB Choir (HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: Choir classes during 9th and 10th grades].

IB Choir HL is a year-long study course in which the student prepares for one or more solo or ensemble recitals of 15-20 minutes. Emphasis is on musical perception and analysis of specific works derived from the study of various musical genres and styles. Students compose, perform, and record an original work along with a written statement concerning the composition. Enrollment in this course is limited to students pursuing the International Baccalaureate Diploma and preparing for the IB Higher Level Exam.

IB Theatre (SL or HL) Advanced Projects in Theatre [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Only IB students and/or students who have taken at least two other theatre classes and have the instructor's approval].

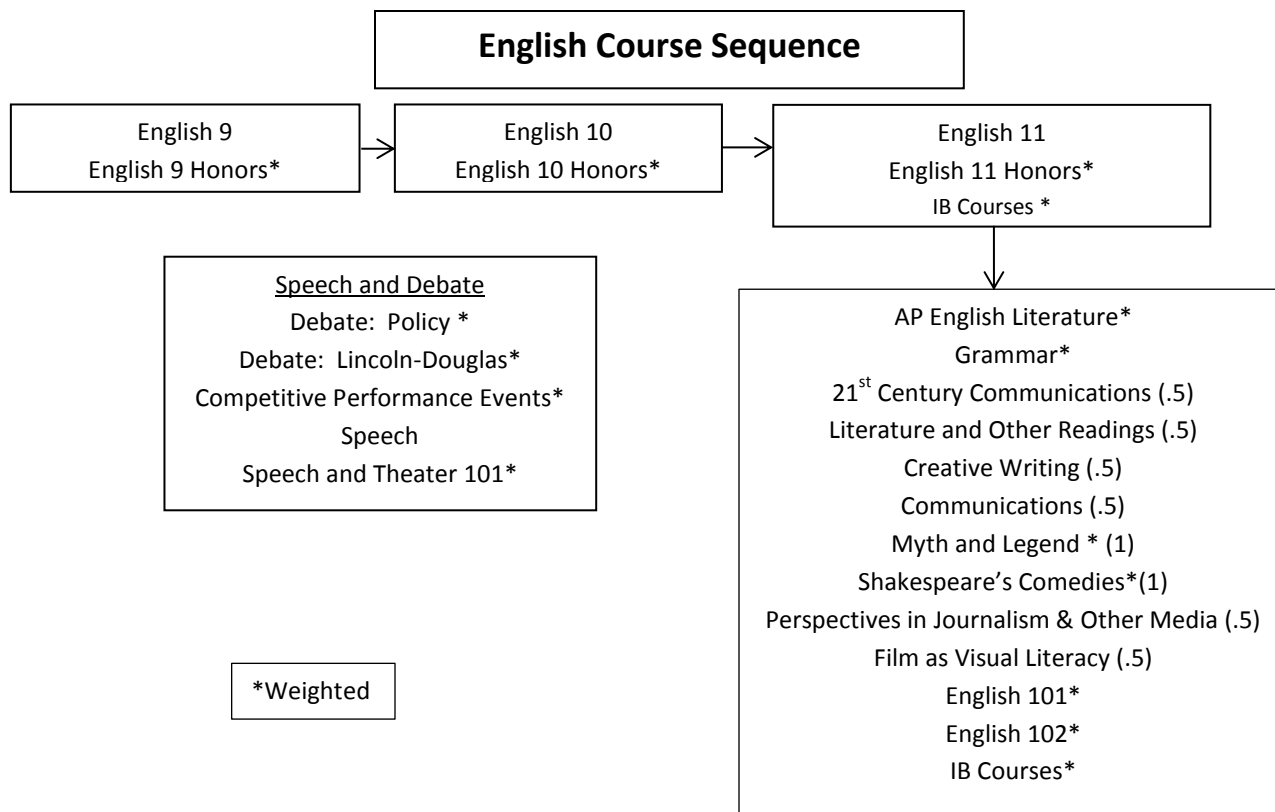
This course is designed to allow students to explore the complete nature of the theatre. The student will gain knowledge in the subject, and then will be expected to put that knowledge into action with various higher-level projects. The projects will allow the student to directly experience theatre the way it is intended to be by doing, rather than just the study of theatre through readings and texts. Also, students will understand the forms theatre takes in cultures other than their own, and through this understanding, will better know themselves, society, and the world in which they live. This course will be divided into the following parts: 1. Performance Skills. 2. World Theatre Studies. 3. Practical Play Analysis. 4. Theatre Production. 5. Individual Project.

IB Visual Art (HL) [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Former classes in art 9th and 10th grades].

IB Visual Art (HL) provides students with a multi-cultural opportunity in which to create a portfolio of work suited for exhibition at the end of the student's two-year study. This course will help to develop the student's particular style through in-depth investigation of current and ancient works of visual arts. Students will also investigate how changes in technology, religion, and politics influenced visual arts, drama, and literature around the world. Daily interdisciplinary investigations pertaining to visual arts in and outside of the classroom will be charted through artistic growth. Various assessments will be performed both internally and externally to plot artistic growth throughout this design course. In addition to the portfolio each IB student will be expected to keep a research journal. This research journal will mark a visual and written progression related to the student's portfolio during the next two years.

IB Theory of Knowledge [Grade: 11 (second semester)] (1/2 credit: semester class) [AW] [Prerequisite: Must be an International Baccalaureate Diploma Candidate]

Theory of Knowledge, cornerstone of the IB curriculum, provides a nexus for the learner to synthesize the approaches to understanding gained over the course of IB study. The course raises questions about the epistemological validity of knowledge, and in so doing seeks a cross-cultural understanding of how a learner learns and, ultimately, knows. Students will pursue a wide range of readings to be examined in a Socratic seminar setting combining literature, history, science, mathematics, fine arts, psychology and philosophy, among others. Enrollment is limited to students who are International Baccalaureate Diploma Candidates.



English

One of the following two courses is required for all freshman:

English 9 (1 credit: year-long class).

This course will integrate the study of vocabulary, grammar, writing and literature. Emphasis will be on reading and writing. Literature read in this class will include a variety of novels, short stories, poetry, dramas, and non-fiction. A research component will be incorporated during the writing instruction each quarter. The following texts have been selected for inclusion in this class:

Night	The Odyssey
To Kill A Mockingbird	Romeo and Juliet

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

English 9 Honors (1 credit: year-long class) [HW] (Prerequisite: Students must have earned a B in 8th grade English or be enrolled in the IB Program or score Advanced on the MAP test.)

This honors course adds greater depth and quantity of writing and literature to the freshman curriculum. Students should expect **frequent homework and daily reading assignments**. Students enrolling in this class should be self-motivated and able to work independently and complete assignments **on time**. A research component will be incorporated during the writing instruction each quarter.

The following texts have been selected for inclusion in this class:

Night	The Odyssey
Romeo and Juliet	Fahrenheit 451
To Kill A Mockingbird	

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

One of the following two courses is required for all sophomores:

English 10 (1 credit: year-long class).

The curriculum builds on the skills developed in English 9. Students will compose expository and argumentative pieces. Students will also continue the development of skills in grammar and usage. Focus will be placed on literature including a variety of both genre and authors.

The following texts have been selected for inclusion in this class:

Julius Caesar	Maus I & II
1984	Murder on the Orient Express
The Old Man and the Sea	Antigone
Unbroken	The Book Thief
Hamlet	Frankenstein

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

English 10 Honors (1 credit: year-long class) [HW] (Prerequisite: Students must have taken English 9 Honors and earned a B both semesters or have taken English 9 and earned an A both semesters or scored Advanced on English 1 EOC.

This honors course adds a greater depth and quantity of writing and literature to the sophomore curriculum. Literature read in the class will range from Shakespearean drama to contemporary adult fiction. Students enrolling in this course need to be self-motivated and independent; **they will complete many simultaneous assignment and projects. Students need to have excellent reading skills and writing.** The following texts have been selected for inclusion in this class:

1984	Life of Pi
Frankenstein	One Shakespearean Play
Individual Choice: Novel of Literary Merit	The Book Thief

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

One of the following two courses is required for all juniors:

English 11 (1 credit: year-long class).

This class builds upon the skills learned in English 10. This class will include an integrated study of literature, with corresponding analytical writing assignments. Time will also be devoted to vocabulary building, grammar, and usage. The following texts have been selected for inclusion in this class:

Huck Finn	The Crucible
To Kill a Mockingbird	Tuesdays With Morrie
Their Eyes Were Watching God	Catcher in the Rye
A Streetcar Named Desire	The Great Gatsby
Shoeless Joe (tentative)	The Glass Castle (tentative)

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

English 11 Honors (1 credit: year-long class) [HW] Prerequisite: Students must have taken English 9 Honors and English 10 Honors and earned a B in both courses or have taken English 10 and earned an A both semesters or scored Advanced on English II EOC.

This honors class is a chronological survey of literature, which requires students to analyze, synthesize, and evaluate the literature read and respond in writing. More challenging critical reading and analytical writing assignments will be included. Several novels will be used to supplement the chronological units. This class is recommended for the college bound student looking for a challenge. Students can expect to do a significant amount of work and should be prepared to move at a fast pace. The following texts have been selected for inclusion in this class.

Huck Finn	The Crucible
Woman Warrior	The Great Gatsby
A Streetcar Named Desire	Their Eyes Were Watching God
Shoeless Joe (tentative)	The Glass Castle (tentative)
Into The Wild (tentative)	

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

IB English A: Literature I (SL or HL) [Grade: 11] (1 credit: year- long class) [AW] [Prerequisite: Must be enrolled in the IB Program].

IB English A1-HL is a two-year junior/senior course emphasizing the study of written language and literary analysis. The literature studied in this course and the assessments will satisfy IB syllabus requirements for English A1 Higher Level program. Students will perform both written and oral assessments (internally graded by the teacher and externally graded by an IB examiner.) Students will analyze, synthesize, and evaluate drama, poetry, novels, and other prose in British, American, and World literature. The course will also emphasize thematic and philosophical connections as well as differences in literary periods, styles, and contexts.

The following texts have been selected for inclusion in this class:

One Day in the Life of Ivan Denisovich	A Streetcar Named Desire
The Great Gatsby	The Plague
Essays by Ralph Waldo Emerson	The Assault

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

IB English A: Literature II (SL or HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: Must be enrolled in the IB Program]

All senior IB English students will take this class their senior year. This class is the sequel course to IB English A1 I. The following texts have been selected for inclusion in this class:

Macbeth	Pride & Prejudice
Seamus Heaney Poetry	Purple Hibiscus
Things Fall Apart	Animal Farm
The Things They Carried	

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

Competitive Performance Events [Grades: 9-12] (1 credit: year-long class) [Teacher Approval Required].

This is a performance class. It centers on competitive speech and debate tournaments. Students will be expected to prepare and perform for events such as Dramatic Interpretation, Humorous Interpretation, Duo Interpretation, and others. Students will assist with the running of an invitational tournament, and possibly the MSHSAA District. Preparation for debate is not required, although it is encouraged. Advanced students will be expected to mentor novice students. Students need to be able to work

independently with other squad members. **Participation in at least three tournaments per semester is required, so teacher approval is required.**

Speech [Grades: 9-12] (1/2 credit: semester class)

This course is designed to improve the communication skills of the student through the emphasis of public speaking. Units will include listening skills, voice and diction, stage fright, speech preparation, informative speaking, and persuasive speaking. Students are expected to perform speeches in several different formats. This class is very useful preparation for debate or forensics classes as well as for practical applications in “real life” situations.

Debate: Policy [Grades: 9-12] (1 credit: year-long class) [HW]

This class centers on competitive speech and debate tournaments, and will focus on policy debate and the current policy topic for each year. Students are expected to intensively research and analyze complex issues, prepare positions on these issues and be ready to defend these positions. Students need to be able to work independently and with other squad members. Members of this class must prepare for debate and individual events, as well as assist in running any tournaments that Camdenton will host (usually the MSHSAA District or an invitational tournament). Advanced students will be expected to mentor novice students. Students interested in going into fields such as law, business, political science, economics, history, or almost any advanced degree should consider this class. Students are required to participate in competitive tournaments. Because this co-curricular activity is under MSHSAA rules, and because of the time demands, students must meet MSHSAA academic and citizenship standards to be admitted into the class.

Debate: Lincoln-Douglas and Public Forum [Grades: 9-12] (1 credit: year-long class) [HW]

This class centers on competitive speech and debate tournaments and will focus on the Lincoln-Douglas and Public Forum Debate formats. Students are expected to intensively research and analyze complex issues, prepare positions on these issues and be ready to defend these positions. Students need to be able to work independently and with other squad members. Class members must prepare for debate and individual events, as well as assist in running any tournaments that Camdenton will host (usually the MSHSAA District or an invitational tournament). Advanced students will be expected to mentor novice students. Students interested in going into fields such as law, business, political science, economics, history, or almost any advanced degree should consider this class. Students are required to participate in competitive tournaments. Because this co-curricular activity is under MSHSAA rules, and because of time demands, students must meet MSHSAA academic and citizenship standards to be admitted into the class.

Grammar [Grades: 9-12] (1 credit: year-long class) [HW] (Recommended for Juniors & Seniors and Pre-IB Students).

Grammar is a rigorous, weighted class recommended for the college bound student. It is an in-depth study of the correct use of the English language in preparation for the ACT and college writing. The student will study grammar terminology, verb forms, sentence structure, agreement, modifiers, and details of mechanics. Students should expect **daily homework, papers, weekly quizzes, and challenging tests. Students will be expected to spend considerable time outside class preparing for daily lessons. Honors students are encouraged to take this course early in their high school careers.**

Poetry [Grades: 11-12] (1/2 credit: semester class).

This course is a survey of poetry dating from the English Renaissance to the modern era. Students will learn to listen for the meter, rhythm, and figurative elements of language as they read and write numerous types of poetry—from simple nonsense rhymes to more complex works of ballads, sonnets, odes, and elegies. Students will compile original poetry in a poetry notebook. A poetry project is required.

Myth and Legend [Grades: 11-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have taken at least two years of Honors English and carried at least a B average in those classes OR have approval from instructor to take the course].

Myth and Legend offers the focused student a chance to delve into the world of storytelling: from its ancient origins to its contemporary applications. All interested students should be aware that this is a weighted class, and students must have previously received an A in non-weighted English classes or a B in weighted English classes. A study of Greco-Roman mythology, Celtic mythology, Norse mythology, European and urban legend act as a basis for this curriculum. Students will compare/contrast, analyze/interpret, synthesize, and criticize and/or defend myth and legend texts through a variety of methods: writer's notebook, constructive response, technology projects, and, ultimately, a major research project which will require methodical research, amalgamation of sources, and a classroom presentation. Additionally, students will demonstrate their understanding of texts through less-formal oral recitations and/or reenactments.

Shakespeare's Comedies [Grades: 11-12] (1/2 credit: semester class) [HW][Prerequisite: Students must have taken at least 2 years of Honors English and carried at least a B average in those classes OR have approval from instructor to take the course].

Shakespeare's Comedies provide the motivated student with an in-depth study of three of Shakespeare's plays: *As You Like It*, *A Midsummer Night's Dream*, and *The Tempest*. Shakespeare Set Free or Shakespeare through performance is the method used for studying the plays. The course builds upon the foundation of previous Shakespearian study to enrich student understanding of language, dramatic structure, characterization, common themes, and poetry. Students will study Shakespeare's influence on literature throughout time and respond to the literature through daily reading, discussion, essay writing, and group and individual projects. Close reading and analysis of literature is designed to prepare students for college level reading, thinking, literacy analysis, and writing.

English 101 - English Composition [Grades: 11-12] (1/2 credit: semester class) - 3 college credit hours (if requirements are met) [HW].

Designed to provide experience in writing as a process, while focusing on purpose and audience. Students should be able to read and listen critically, responding appropriately to a wide variety of sources with regard to relevancy and logic. Individual conferences with the instructor are employed and practice in organizing essay in various forms of exposition is provided but not emphasized.

English 102 – English Composition [Grades: 11-12] (1/2 credit: semester class) - 3 college credit hours (if requirements are met) [HW].

Critical reasoning research and literature are used as a basis for essay writing.

Public Speaking 101 [Grades: 11-12] (1/2 credit: semester class) (3 college credit hours (if requirements are met) [HW].

A student and practice of basic techniques involved in generating, designing, delivering and evaluation ideas for speech situations facing adults of our society.

Perspectives in Journalism and Other Media [Grades: 11-12](1/2 credit: semester class - 2nd semester only) [Prerequisite: Student must have successfully completed 9th, 10th & 11th grade English (may enroll concurrently with 11th grade English)].

This course is designed to teach students to critically evaluate, summarize, and compare the message they receive from various media (news sources, advertising, TV, internet, both print and non-print). Students will learn to recognize editorial bias, rhetorical devices, and propaganda. Students will be asked to keep a journal of their reactions to class discussions of current events and are expected to improve their ability to express

their opinions, both in discussions and in writing. They will also be asked to try their hand at writing in a variety of styles, such as writing a letter to the editor.

Film as Visual Literacy [Grades: 11-12] (1/2 credit: semester class - 2nd semester only) [Prerequisite: Students must have successfully completed 9th, 10th & 11th grade English (may enroll concurrently with 11th grade English)].

This course will use strategies similar to those of understanding literature to analyze, interpret and understand the elements that make a movie a "film." Students will complete research assignments to understand historical context, read and analyze non-fiction film criticism, provide written response to show an understanding of a film's cultural context, characterization, themes, symbolism, tone and adaptation, and finally, research and develop multi-media presentations.

IB Theory of Knowledge [Grade: 11] (1/2 credit: semester class - 2nd semester only) [AW] [Prerequisite: Must be an international Baccalaureate Diploma Candidate].

Theory of Knowledge, cornerstone of the IB curriculum, provides a nexus for the learner to synthesize the approaches to understanding gained over the course of the IB study. The course raises questions about the epistemological validity of knowledge, and in so doing seeks a cross-cultural and understanding of how a learner learns and, ultimately, knows. Students will pursue a wide range of readings to be examined in a Socratic seminar setting combining literature, history, science, mathematics, fine arts, psychology, and philosophy, among others. Enrollment is limited to students who are International Baccalaureate Diploma Candidates.

AP English Literature [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Student must have taken at least 2 years of Honor English and carried at least a B average in those classes OR have approval from instructor to take the course].

This is a year-long junior and senior class of college level difficulty open to students who want to read challenging literature with an in-depth analytical approach. It includes the reading of and written analysis of poetry, novels, and dramas. The student enrolling in this class should be a superior reader of difficult literature, have a firm background in literary analysis, and have a high proficiency level in areas of mechanics, grammar, organization and logic. The following texts have been selected for inclusion in this class:

One Flew Over the Cuckoo's Nest	Rebecca
Madame Bovary	Heart of Darkness
The Importance of Being Earnest	Shakespearean Play

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

Creative Writing [Grades: 11-12] (1/2 credit: semester class).

Students will experiment with various genres with emphasis on techniques of good writing. Topics include basic characteristics of poetry, short stories, plays, and examination of works of professional writers as well as works of fellow students. Writing projects will include a short story, a one-act play and a poetry project.

21st Century Communications [Grade: 12] (1/2 credit: semester class).

This class designed for seniors who plan to enter the workforce after graduation. Students will develop the ability to write clearly in documents likely to be encountered in the workplace such as business letters, memos, project proposals, news releases, and reports. They will also develop job search skills by preparing a resume and cover letter, developing a list of references and participating in a mock interview. While the focus of the class is technical writing, students will also develop verbal communication skills through oral presentations and discussions.

Communications (College Preparation) [Grade: 12] (1/2 credit: semester class - 1st semester only). Students who plan to attend college and are interested in improving their ACT score should consider this course. The course will include preparation for the ACT, college and scholarship essays, resume writing, college level vocabulary development and awareness of college expectations. **Students are expected to be college bound and focused on doing the practical work necessary to be successful in college.**

Literature and Other Readings [Grade: 12] (1/2 credit: semester class).

This course is designed to stimulate interest and enjoyment in reading while exploring a wide range of subjects. Students are given time to concentrate solely on reading. Students read in class daily and do frequent written and oral analysis of their reading. Vocabulary development is also stressed. Daily written records as well as oral and written book projects will determine grades. Students must select, read and report on a **minimum** of five books to earn a **passing grade**. Students must bring reading to class daily.

Mass Media [Grades 9-12] (1-2 credits: year-long class) [HW] Teacher Approval Required.

This class is for students who have no previous mass media experience. This class specializes in broadcast journalism procedures, digital video shooting, lighting, and editing techniques for CSTN broadcasts. If you are interested in creating videos for CSTN, this class will give you the essentials you will need. Students will learn Adobe Premiere, setup and operation for camcorders and tripods, create sound bites, practice lighting techniques, use green screen presentations, and use voice-over methods for audio. All these skills will be incorporated into the editing process to create videos for publishing on CSTN broadcasts. Creative, highly motivated students with a strong interest in writing, public speaking, and film should consider this class. Students must be hardworking and responsible as well as able to handle pressure, deadlines, and criticism. This is a weighed class; thus, one should expect to devote significant time outside of class to video events for CSTN broadcast shows. **Attendance and punctuality are factors in students' grades. All students must have instructor approval.**

Mass Media II [Grades 10-12] (1-2 credits: year-long) [HW] Prerequisite: Mass Media or Video Editing. Teacher Approval Required.

This class produces the daily CSTN broadcasts and builds on the skills acquired in Mass Media or Video Editing. Students will learn how to create scripts, use broadcast journalism equipment, teleprompting, anchoring, and interviewing techniques. Creative, highly motivated students with a strong interest in writing, public speaking, and film should consider this class. Strong computer skills will be helpful, particularly video editing. Students must be hardworking and responsible as well as able to handle pressure, deadlines, and criticism. This is a weighted class; thus, one should expect to devote significant time outside of class to video events for CSTN broadcast shows. **Attendance and punctuality are factors in students' grades. All students must have instructor approval.**

FOREIGN LANGUAGE

French IA [Grades: 7-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have at least a proficient reading score on most recent standardized assessment].

Students will learn to communicate in real-life situations, orally and in writing. Emphasis is on speaking, writing, listening, and reading. Vocabulary expansion and grammar are strong elements. Cultural studies are evident throughout the course. Students should leave this course with basic survival skills. This course is a prerequisite for students who are planning to pursue the International Baccalaureate Diploma Program.

French IIA [Grades: 8-12] (1 credit: year-long class) [HW] [Prerequisite: Student must complete French IA with at least a C in second semester].

This course is more in-depth and emphasizes speaking, listening, reading, writing and culture. This is a continuation of French IA with the addition of several tenses and more vocabulary and grammar study. Practice in speaking and listening with real-life situations. This course is a prerequisite for students who are planning to pursue the International Baccalaureate Diploma Program.

French III [Grades: 9-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have completed French IA and IIA with at least a C in second semester.]

A continuation of French II with additional tenses, literature readings and discussions, more vocabulary and grammar study with an emphasis on speaking and listening. Real-life situations are practiced.

IB French III [Grade: 9-12](1 credit: year-long class) [AW] [Prerequisite: French IA/French IIA]

This is the first course in a two-course sequence for students who are pursuing the International Baccalaureate Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level.

French IV [Grade: 10-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have completed French IA, IIA and III with at least a C in second semester]

This is a continuation of French III with tenses, vocabulary study, speaking, and listening. Real-life situations are practiced. Students who master this level have a good opportunity of testing out of classes in college.

IB French IV [Grade: 10-12] (1 credit: year-long class) [AW] [Prerequisite: French IA/ French IIA/IB French III]

This is the second course in a two-course sequence for students who are pursuing the International Baccalaureate Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level. At the end of the course, students will take the International Baccalaureate exam for French B.

French V [Grade: 11-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have completed French IA, IIA, III, and IV with a C average or above]

This is a continuation of French IV with tenses, vocabulary study, speaking, and listening. Real-life situations are practiced. Students who master this level have a good opportunity of testing out of classes in college.

IB French V [Grade: 11-12] (1 credit: year-long class) [AW] [Prerequisite: French I A/ French II A/IB French III/IB French IV]

This is the second course in a two-course sequence for students who are pursuing the International Baccalaureate Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level. At the end of the course, students will take the International Baccalaureate exam for French B.

Spanish IA [Grades: 7-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have at least a proficient reading score on most recent standardized assessment].

Students will learn to communicate in real-life situations, orally and in writing. Emphasis is on speaking, writing, listening, and reading. Vocabulary expansion and grammar are strong elements. Cultural studies are evident throughout the course. Students should leave this course with basic survival skills. This course is a prerequisite for students who are planning to pursue the International Baccalaureate Diploma Program.

Spanish IIA [Grades: 8-12] (1 credit: year-long class) [HW] [Prerequisite: Student must complete Spanish IA with at least a C in second semester].

This course is more in-depth and emphasizes speaking, listening, reading, writing and culture. This is a continuation of Spanish IA with the addition of several tenses and more vocabulary and grammar study. Practice in speaking and listening with real-life situations. This course is a prerequisite for students who are planning to pursue the International Baccalaureate Diploma Program.

Spanish III [Grades: 9-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have completed Spanish IA and IIA with at least a C in second semester.]

A continuation of Spanish IIA with additional tenses, literature readings and discussions, more vocabulary and grammar study with an emphasis on speaking and listening. Real-life situations are practiced.

IB Spanish III [Grade: 9-12](1 credit: year-long class) [AW] [Prerequisite: Spanish IA/Spanish IIA]

This is the first course in a two-course sequence for students who are pursuing the International Baccalaureate Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level.

Spanish IV [Grade: 10-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have completed Spanish IA, IIA and III with at least a C in second semester]

This is a continuation of Spanish III with tenses, vocabulary study, speaking, and listening. Real-life situations are practiced. Students who master this level have a good opportunity of testing out of classes in college.

IB Spanish IV [Grade: 10-12] (1 credit: year-long class) [AW] [Prerequisite: Spanish IA/ Spanish IIA/IB Spanish III]

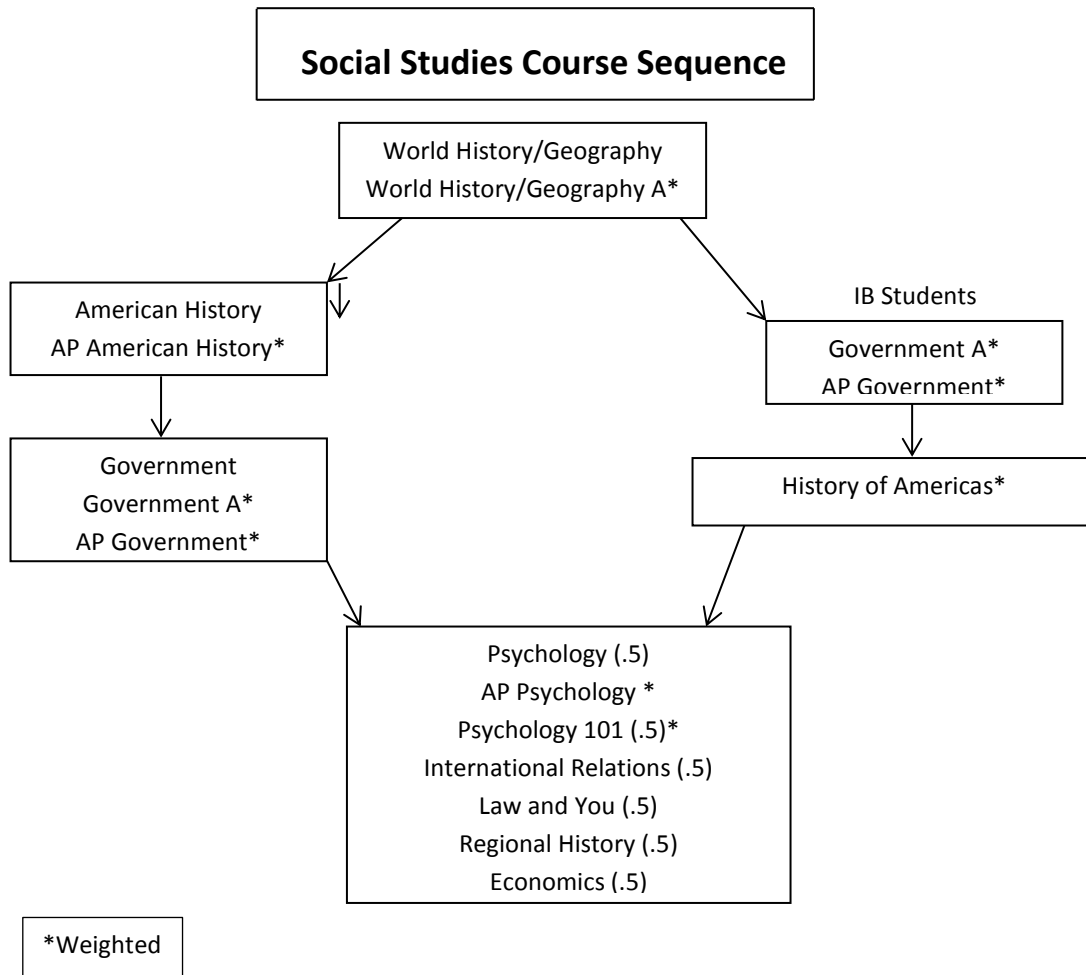
This is the second course in a two-course sequence for students who are pursuing the International Baccalaureate Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level. At the end of the course, students will take the International Baccalaureate exam for French B.

Spanish V [Grade: 11-12] (1 credit: year-long class) [HW] [Prerequisite: Student must have completed Spanish IA, IIA, III, and IV with a C average or above]

This is a continuation of Spanish IV with tenses, vocabulary study, speaking, and listening. Real-life situations are practiced. Students who master this level have a good opportunity of testing out of classes in college.

IB Spanish V [Grade: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Spanish I A/ Spanish II A/IB Spanish III/IB Spanish IV]

This is the second course in a two-course sequence for students who are pursuing the International Baccalaureate Diploma Program. Students will review grammatical concepts, hone speaking and writing skills, and read a variety of texts at an advanced level. At the end of the course, students will take the International Baccalaureate exam for Spanish B.



SOCIAL STUDIES

World History/Geography [Grade: 9] (1 credit: year-long class).

Ninth grade social studies investigates topics of concern to today’s society. The unit themes deal with a geographical survey including map skills, cultures, resources, technological changes, land features, climate, history, civics and economics. Regular components of this course include current events, cooperative learning, video and textbooks as resources, and conducting research using media resources.

World History/Geography A [Grade: 9] (1 credit: year-long class) [HW] [Prerequisite: Interested in preparing for International Baccalaureate].

Pre-IB World History/Geography prepares students for the study of IB History by providing students with an important foundation in western culture. Because of the necessity for practice in detailed study, students will focus mostly on the development of western civilization. Students will learn to study independently, do research, take notes, make generalization, and draw conclusions about history. Success in this course requires strong self-motivation.

American History [Grade: 10] (1 credit: year-long class).

Tenth grade social studies investigates the topics of concern to American society from Reconstruction to the present by asking “Why are we the way we are?” To find the answers, we will study how individual ideas, religion, geography, technology, economics, political development, global interaction and American culture contributed to shaping our nation and national character. Activities and learning

techniques will include the use of various resources (i.e. historical documents, videos, textbooks, books, periodicals, plays/skits, research and projects) to better develop the student's interest in social studies, increase understanding of self and others and help students become responsible citizens.

IB History of Americas I (SL or HL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: World History/Geography A, and Government A].

This is a two year course designed to prepare students to test at the Higher Level in IB History at the end of their senior year. Students will study both selected historical topics from the history of the Americas. Specific areas of study include the Constitution, slavery, the Civil War, late 19th century political developments, the Great Depression, 20th century presidential history, the Civil Rights Movement, and the two world wars. Students will also complete an internal assessment for the IB during their junior year.

IB History of Americas II (SL or HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB History of Americas I (SL or HL)].

All senior IB History of Americas students will take this class their senior year. This class is the sequel course to IB History of Americas I.

AP US Government and Politics [Grade: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Student must have received a B or above in American History].

American Government is a course designed to meet the state standard of a course in the basic structures, functions, and operations of government at national, state, and local levels. The course provides an analysis of the nature of the American political system, its development and operation. This course is an Advanced Placement, college level course that requires additional readings, research, and analysis. The students will gain basic factual and conceptual information from readings, note taking, and research. Application of the information concepts to current presentations will be a part of the course, as well as preparation for utilizing such skills for political participation in the future.

AP Comparative Government and Politics [Grade: 11-12] (1/2 credit: semester class) [AW] [Prerequisite: B or higher in American Government].

This is an advanced Placement course that introduces the student to the variety of political systems in the contemporary world. This course is organized by country. Following an introduction to comparative politics, the course closely examines the politics of Great Britain, France, the Soviet Union, China, and a variety of second or third world countries. The course has a general textbook; however, other books will also be used. Students will be required to analyze some the current events of each country, and class discussions are an important part of this course. Lecture notes will be given by the teacher to fill information and explain concepts. Students will also be asked to do research, analyze material, solve problems, write a term paper, watch news videos, and study reading assignments. This Comparative Government class covers a body of knowledge equivalent to that which a student would be expected to master in an introductory one semester college course in comparative politics.

AP U.S History [Grade: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Students must have taken World History]. (10th graders MAY take this course with instructor permission)

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problem and materials in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials, their relevance to a given interpretive problem, reliability, and importance, and to weigh the evidence and interpretation presented in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

Government [Grade: 11] (1 credit: year-long class).

Government is a required course, designed to meet the state standards of a course in the basic structures, functions, and operations of government at national, state and local levels. The course is organized to meet key skills standards and performance expectations. The course places an emphasis on citizen participation. The students will gain basic factual and conceptual information from readings, note taking, and research. Application of the information concepts to current presentations will be a part of the course, as well as preparation for utilizing such skills for political participation in the future.

Government A [Grade: 10] (1 credit: year-long class) [HW] [Prerequisite: World History A].

Pre-IB Government is designed for students seeking the International Baccalaureate Diploma. The first semester begins with a unit on the philosophical and organizational backgrounds of governments then proceeds to a detailed study of American Government, including the development of the U.S. Constitution. Students will learn to study independently, do research, take notes, make generalization, and draw conclusions about history.

History 101 – US History Before 1877 [Grades: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW].

A survey of the political, economic and social development of the United States from its European origins through the Reconstruction Process. A study of the Missouri Constitution is included to meet the State's requirements in Senate Bill No. 4.

Humanities 108 – World Civilization [Grades: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW].

A survey of political, social, military, cultural, and religious history of Europe and Asia from primitive man to the seventeenth century.

International Relations [Grade: 11-12] (1/2 credit: semester class).

International Relations is a contemporary issues class with a focus on relating the topics studied to a world view or comparing/contrasting topics about the United States to situations in other countries. The lessons and topics vary with each semester, according to what is in the news. The students each get a copy of the weekly magazine "Newsweek" from which most of the lessons are developed. Assessment is performance driven, with weekly quizzes and class activities with class presentations.

Regional History [Grade: 11-12] (1/2 credit: semester class).

Regional History is a series of elective semester courses designed to provide an in-depth study of a particular region of the world. The course is organized to enhance key skill standards for performance expectations. The course will emphasize the history geography, cultural heritage, political, governmental, and the economic systems of a particular region. The students will gain basic factual and conceptual information from readings, note taking, and research. Application of the information and concepts will include presentations, reports, and discussions. Regions that will be covered in this course include the following: **Middle East, Latin America, Africa & Europe.**

(History offerings will be determined by past offerings and student enrollment. A course will be offered no sooner than once each four years).

Law & You [Grades: 11-12] (1/2 credit: semester class).

Provides new information, practical advice, and competency building activities designed to provide students with the ability to analyze, evaluate, and in some situations, resolve legal disputes. Student involvement is emphasized through the use of problems, case studies, role-plays, mock trials, and a variety of other activities. The updated curriculum is designed to appeal to a wide variety of students.

Psychology [Grades: 11-12] (1/2 credit: semester class).

Psychology is designed to explore the science of evaluating and measuring human behavior, while giving the student greater insight into the field of mental health. Subject units for this course include: learning theory, memory and thought, physiological influences on behavior, personality theory, psychological testing, stress and health, healthy adjustment, abnormal behavior, therapy and social influences and interactions.

Psych 101 –General Psychology [Grades: 11-12] (1/2 credit: semester class) - 3 college credit hours (if requirements are met) [HW].

An introduction to the scientific study of the behavior, which includes a survey of historic and current theories and theorists in the field. Students investigate and discuss these areas: neurology, development, consciousness, learning, motivation, personality development, emotional disorders and psychometrics. Students who have taken AP Psychology are not eligible to enroll in this course.

AP Psychology [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Student must have taken Psychology and earned at least a B].

This is a weighted, advanced placement, college level course. This course is more quickly paced and detailed than Psychology. It also requires individualized projects, such as designing, conducting and reporting to the class the results of an original experiment.

IB Psychology (SL) [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisites: Students must be enrolled in the IB program, or have the permission of the IB coordinator and the IB course instructor].

IB Psychology is a one-year course that prepares students for the Standard Level International Baccalaureate Exam. Course study must include all three international compulsory standards; the biological perspective, the cognitive perspective and the socio-cultural perspective. Additionally, students will study one additional area of psychology, chosen by the instructor, from a list including: comparative psychology, developmental psychology, health psychology, cultural psychology, social psychology and the psychology of dysfunctional behavior. All students are also required to complete and report on a partial replication of one simple psychological experimental study of their choosing. Throughout the course, students will also focus on quantitative research methods and ethics.

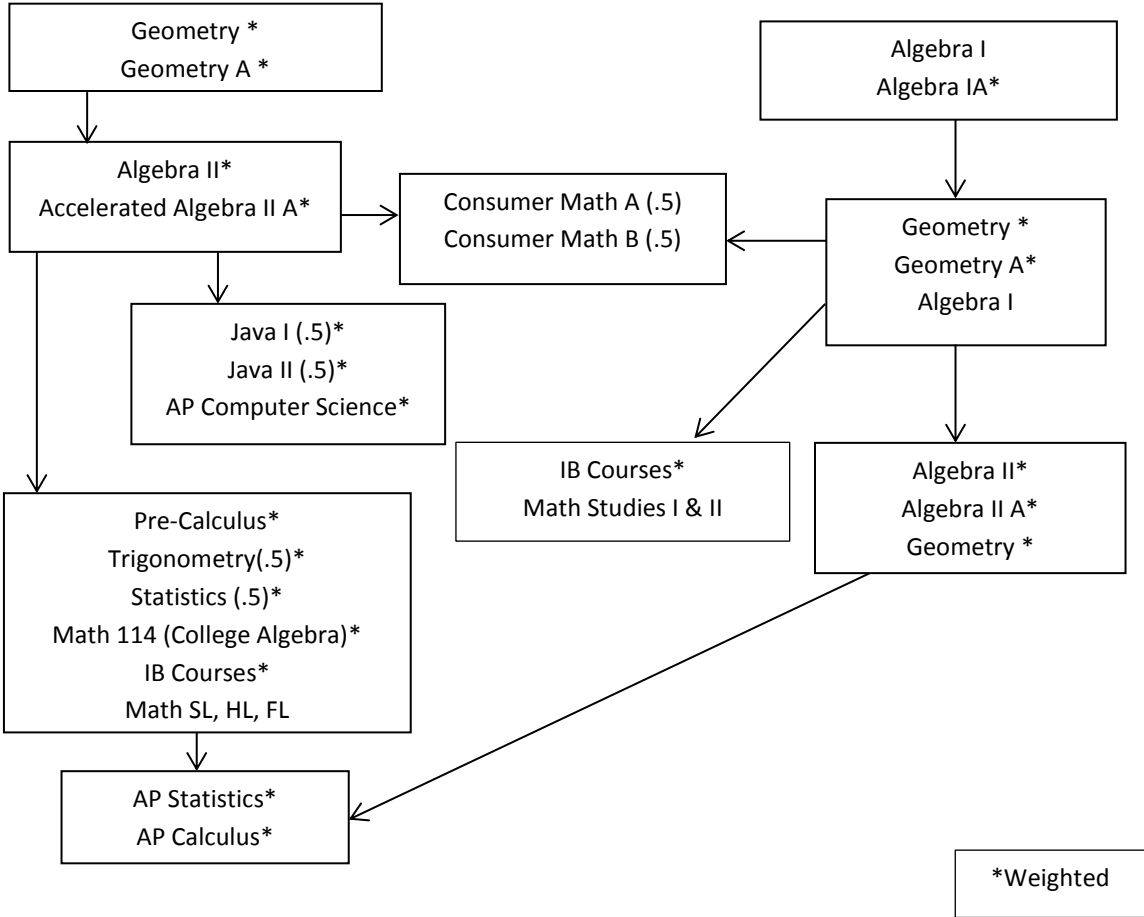
SOC 100 – General Sociology Online [Grades 11-12] (1/2 credit: semester class) - 3 college credit hours [HW].

Introduction to the basic principles, concepts, research strategies, and empirical findings representative of the field today. Explores the relationships of individuals and groups in the context of broader social patterns. Establishes a basis for further study in the field. Course topics may include gender and racial inequality, deviance, economic and political institutions, social mobility and concepts related to current social and cultural change.

CJ 102 – Introduction to Criminal Justice Online [Grades 11-12] (1/2 credit: semester class) - 3 college credit hours [HW].

Examines the history, development and function of the criminal justice system in America. Will examine the three major components of the system: police, courts and corrections, as well as their interrelationships.

Mathematics Course Sequence



MATHEMATICS

In order for students to learn, develop, and demonstrate the fundamental skills necessary to continue in mathematics at the Pre-Algebra and Algebra I levels, calculators should be used sparingly and at the discretion of each teacher, but it is felt that the basic operations taught in the early parts of their math development need to be learned without a calculator.

Algebra I [Grades: 9-12] (1 credit: year-long class).

This course develops the logical structure of the real number system as well as the basic algebraic principles. Techniques such as working with variables, solving equations, signed numbers, formulas, polynomials, factoring, etc.

Algebra I A [Grade: 9] (1 credit: year-long class) [HW] [Prerequisites: Must have earned an "A" both semesters of 8th Grade Math, earned a score of Advanced on the 8th grade MAP test, or be enrolled in International Baccalaureate].

This course develops the logical structure of the real number system as well as the basic algebraic principles. Techniques such as working with variables, solving equations, signed numbers, formulas,

polynomials, factoring, etc. Discovery learning, research, and mathematics as an international language will also be included.

Geometry [Grades: 9-12] (1 credit: year-long class) [HW] [Recommended B average in Algebra].

This course deals with spatial relationships and logical reasoning. Besides developing new mathematical concepts, this course will develop reasoning skills through extensive application of proofs.

Geometry A [Grades: 9-10] (1 credit: year-long class) [HW] [Prerequisite: Must be a freshman who passed Algebra I in Middle School with a semester "C" average or better, OR a sophomore who has earned a "B" in both semesters of Algebra I A as a freshman and scored Proficient or Advanced on the Algebra I EOC, earned an "A" both semesters of Algebra I as a freshman and scored Proficient or Advanced on the Algebra I EOC, scored Advanced on the Algebra I EOC, or is enrolled in International Baccalaureate].

This course deals with spatial relationships and logical reasoning. Besides developing new mathematical concepts, this course will develop reasoning skills through extensive application of proofs. Projects requiring some research will be assigned throughout the course.

Algebra II [Grades: 9-12] (1 credit: year-long class) [HW][Recommended B average in Algebra I].

This course deals mainly with the structure of the systems of real and complex numbers and attempts to develop an understanding of basic algebraic manipulations. Topics of logarithms, radical, and complex numbers as well as the basic trigonometric functions and relations are studied.

Accelerated Algebra II A [Grades: 9-10] (1 credit: year-long class) [HW] [Prerequisites: Must be a freshman who passed Geometry A with a semester "C" average or better, OR a sophomore who has earned a "B" both semesters of Geometry A as a freshman and scored proficient or Advanced on the Algebra I EOC, earned an "A" both semesters of Geometry as a freshman and scored Proficient or Advanced on the Algebra I EOC, scored Advanced on the Algebra I EOC, or is enrolled in International Baccalaureate].

This course deals with the same topics as Algebra II, but will move at an accelerated pace with less review work. Additional topics of the Binomial Theorem, sequences, and series will be studied.

Statistics [Grades: 10-12] (½ credit: semester class) [HW] [Prerequisite: Algebra II or concurrently with Algebra II with a recommended B average]. Statistics is a course that includes the study of basic concepts relating to probability and statistical applications. The material includes the study and analysis of samples and population as well as histograms, frequency distributions, and other graphical means of presenting statistical data. Additional topics include elementary and conditional laws of probability, binomial, Poisson, geometric, and normal distributions, sampling, inferences, and correlations. This semester course is for students who expect to study mathematics, engineering, business, psychology, or other sciences in college.

Trigonometry [Grades: 10-12] (½ credit: semester class) [HW] [Prerequisite: Algebra II or concurrently with Algebra II – recommended B average].

This course is a review over the basic trigonometric functions and values from Algebra II, followed by an in-depth study. Applications of trigonometry will be introduced.

IB Math Studies I (SL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: Algebra I-A/Geometry-A].

IB Math Studies is a course designed to prepare students for the International Baccalaureate Math Studies Standard Level Exam and to complete the Mathematics portfolio requirements for IB.

Topics of study include fundamental algebra, sets & logic, geometry and trigonometry, statistics & probability, functions, and financial mathematics. This course should be taken by students pursuing the International Baccalaureate Diploma.

IB Math Studies II (SL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Math Studies I (SL)].

IB Math Studies students may take a second year of Math Studies I (SL) as a sequel course.

IB Math SL I [Grade: 11](1 credit: year-long class)[AW][Prerequisite: Algebra I/Geometry-A/Algebra II-A].

Math SL is an IB two-year sequence of study for students who are interested in studying math at a more extensive level. Students will take the Math SL International Baccalaureate exams at the end of their senior year. Topics include trigonometry, statistics, vectors and sequences and series. Students will also submit a required paper of mathematical investigation.

IB Math SL II [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Math (SL)].

This class is the second year sequel course to IB Math SL I. All IB Math SL seniors need to take this course. Topics of study include 3-dimensional vectors and calculus. A mathematical modeling project is required of all students. Students will sit for the IB Math SL exam on completion of the course.

IB Math HL [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Math SL II].

This course is for students who have completed both years of IB Math SL

Pre-Calculus [Grades: 11-12] (1 credit: year-long class) [HW] [Prerequisite: Algebra II and Geometry with a recommended B average].

This course prepares students for advanced courses in AP Calculus, abstract algebra and probability. This course stresses the understanding of the role of logic in deductive systems of mathematics.

AP Calculus [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisite: Algebra II, Trigonometry and Geometry with a recommended B average].

AP Calculus is a college level course. The course deals with the study of functions, limits, differentiation and integration. The application of derivatives and integrals in a variety of problem situations will be emphasized.

Consumer Math A [Grades: 12] (½ credit: semester class - 1st semester only).

This course will review the basic operations with whole numbers, fractions, and decimals without the use of a calculator. Additional topics covered include reading and creating statistical information in various kinds of graphs, home ownership and working problems involving perimeter, area, and figuring costs.

Consumer Math B [Grades: 12] (½ credit: semester class - 2nd semester only).

This course will cover topics such as automobile ownership, commercial transportation, purchasing consumer goods, personal income, income tax, banking, small loans, and investments.

Java I [Grades: 11-12] (Introduction to computer programming) (½ credit: semester class) [HW] [Prerequisite: Algebra I and Geometry].

This course is an introduction to computer programming using the Java Computer language with an emphasis on programming methodology, problem solving, and algorithm development. Basic concepts of computer programming will be taught along with elements of object-oriented design using objects, classes, and interfaces. The Java I and Java II courses are mathematics electives intended for those who

may be required to take an entry-level programming course in college. Applicable fields of study include computer science, mathematics, engineering, physics, or other sciences.

Java II [Grades: 11-12] (½ credit: semester class) [HW] [Prerequisite: Java I].

This course is a continuation of programming concepts learned in Java I. Java II includes a more in-depth study of object-oriented programming concepts of interfaces, inheritance, and polymorphism. In addition, more advanced topics are covered including arrays, exception handling, and Java data structures. The focus of the course will be graphics programming with the students designing their own video game as the capstone project. The Java I and Java II courses are mathematics electives intended for this who may be required to take an entry-level programming course in college. Applicable fields of study include computer science, mathematics, engineering, physics, or other sciences.

Math 114: College Algebra [Grades: 11-12] (1/2 credit: semester class) (3 college credit hours if requirements are met) [HW].

This course will be offered as a college credit course costing the current hourly rate for State Fair Community College through the Lake Career & Technical Center. It is NOT for any student planning to enter a math related or engineering field in college. Topics discussed shall include equations, inequalities, algebraic functions, exponential functions, logarithmic functions, matrices, determinants, progressions, and the Binomial Theorem with other topic applications deemed appropriate.

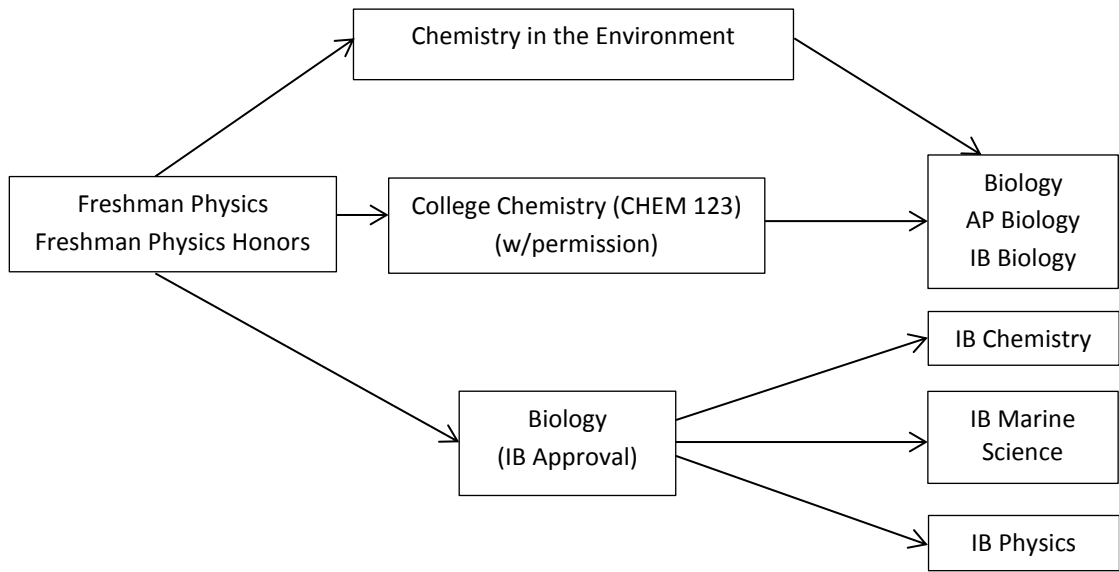
AP Statistics [Grades: 10-12] (1 credit: year-long) [AW] Prerequisites: Student must have either earned an "A" in Algebra II OR at least a "B" in Statistics with teacher recommendation

The topics for this course are divided into four major themes: Exploratory analysis, which includes using graphical and numerical techniques to study patterns in data, planning and conducting a study, probability and distribution modeling, and statistical inferences, i.e. estimating population parameters and hypotheses testing. Though it is *not required*, it is *preferred* that students take Statistics before enrolling in this course.

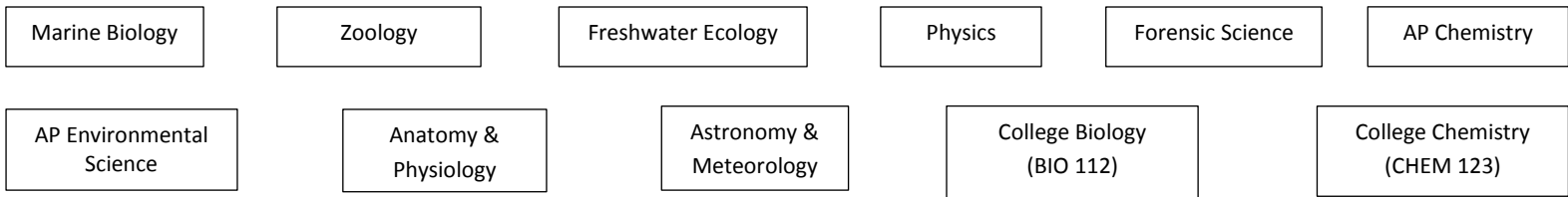
AP Computer Science [Grades: 10-12] (1 credit: year-long) [AW] Prerequisites: Students must have earned an "A" in Algebra II OR at least a "B" in Java I & II with teacher recommendation.

This course is an object oriented programming course primarily utilizing the Java Programming language. In addition, the course will emphasize procedural and data abstraction, design methodology, algorithms, and data structures.

Science Course Sequence



Electives: 11th - 12th



SCIENCE

Freshman Physics [Grade: 9] (1 credit: year-long class)

This introductory freshman physics course emphasizes the science behind the real world applications of basic physics concepts including mechanics, heat, sound, electricity and magnetism, and light. Hands-on explorations using math and technology are incorporated to gain well-rounded knowledge of basic physics concepts. Students will accumulate data, construct graphs and develop mathematical models to describe the physical world. Lab activities are designed to develop skills in experimental design and data analysis. Students will use experimental design to solve problems discussed in class.

Freshman Physics - HONORS [Grade: 9] (1 credit: year-long class) [HW] [Prerequisite: A Grade in Algebra I AND Proficient or Advanced on the Math and Science MAP in 7th grade OR ACT Score of 22 or higher in Math and Science Reasoning OR Instructor Permission].

This introductory freshman physics course emphasizes the science behind the real world applications of basic physics concepts including mechanics, heat, sound, electricity and magnetism, and light. Hands-on explorations using math and technology are incorporated to gain well-rounded knowledge of basic

physics concepts. Students will accumulate data, construct graphs and develop mathematical models to describe the physical world. Lab activities are designed to develop skills in experimental design and data analysis. Students will use experimental design to solve problems discussed in class. *This class will be an advanced freshman class that utilizes more mathematical application and rigor than the non-honors freshman physics class.*

Chemistry in the Environment [Grade: 10] (1 credit: year-long class).

Chemistry in the Environment is a course which uses a curriculum developed by the American Chemical Society. The focus of this course is on the principle concepts of chemistry, the importance of chemistry, and the role it play in our world. It is designed to emphasize the scientific basis for solving key issues facing today's citizens, such as petroleum shortages and access to pure water. This course addresses the chemistry of subjects that are likely to influence the daily lives of the students and commonly centers upon topics currently in the news today. Analyzing written material and debating the risks and benefits of issues presented are as important as math skills in this course. Laboratory safety, introduction to equipment, analysis and investigation is heavily stressed. Chemistry is learned as a science. Facts are introduced as they are needed to solve problems, then arranged in meaningful patterns that lead to understanding nature introducing chemistry concepts on a need to know basis. This course is accepted as a prerequisite for colleges and universities that require a high school chemistry course. It is designed as a yearlong course that focuses on water, materials, petroleum, air, industry, atoms, and food.

AP Environmental Science [Grades: 11-12] (1 credit: year-long class) [AW] Prerequisite: Freshman Physics & Chemistry of the Environment - Biology may be taken concurrently

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Biology [Grade: 11] (1 credit: year-long class)

The purpose of this course is to provide students with exploratory experiments and activities in the fundamental concepts of life. The content shall include, but not be limited to: The scientific method, biochemistry, cell and molecular biology, cell reproduction, genetics, evolution, and ecology. Laboratory activities which include the use of the scientific method, measurement, laboratory apparatus, and safety are an integral part of this course.

IB Environmental Systems I (SL) [Grades: 11-12] (1 credit: year-long class) [AW] Prerequisite: Pre-Chemistry Physics & Chemistry

Environmental Systems aims to provide students with a good scientific perspective on the environment. The course allows students to understand their relationship with the environment and the significance of chances they take and decisions they make in their own lives. This subject is for those who have a real interest in contemporary environmental issues. Environmental systems connect the fields of Biology, Geography, Chemistry, and Physics by covering aspect of climate, ecology, pollution, and land management. Fieldwork and practical activities are an integral part of the course, and allow the students to develop their understanding and skills.

AP Chemistry [Grades: 11-12] (1 credit: year-long class) [AW] Prerequisite: Algebra II or concurrently enrolled AND College Chemistry 123

A college-level chemistry course which covers in great detail the skills and concepts associated with reaction kinetics, chemical equilibrium, changes in matter, atomic structure and bonds, solubility

products, entropy, acid-base systems, oxidation-reduction and electrochemistry, qualitative analysis, quantitative analysis, and thermodynamics. The course has a strong laboratory emphasis in inquiry.

BIO 112 - College Biology [Grades: 10-12] (2 credit: year-long class) (5 college credit hours, if requirements met) [HW].

The essential principles and unifying concepts of biology are developed by studying biological processes and levels of organization. This class includes lectures and labs each week. This course is a general course and meets requirements for most college majors. Students planning to major in science should not take this class. Students who have passed the Advanced Placement Examination are not eligible to enroll in this course.

CHEM 123 - College Chemistry [Grades 10-12] - (1 credit: year-long class) - 5 college credit hours (if requirements are met) [HW] Prerequisite for Sophomores: Must have earned an "A" in Algebra IA AND an "A" in Freshman Physics AND scored Proficient or Advanced on the Algebra EOC OR with instructor's permission.

This is a college chemistry course is for students seeking dual credit for high school and college. It is an in-depth course that follows the same concepts and skills taught in a science major's beginning chemistry course at most colleges and universities. The skills and concepts associated with this course, which are covered in great detail, are science reasoning, changes in matter, atomic structure and bonds, stoichiometry, oxidation reduction, properties of solutions, properties of gases, thermodynamics, electronic structure, and acids/bases. A strong math background is highly recommended as the concepts and skills associated with the course are taught using extensive problem solving techniques. This course will meet most college's general education requirement for a laboratory science class.

IB Chemistry I (SL) [Grades: 11-12] (1 credit: year-long class) [AW] Prerequisites: Freshman Physics, Biology.

Chemistry (SL) is designed to meet the needs of those who want to study science at a university level and also those who will complete their formal study of science at the end of the course. Course topics at both levels include: stoichiometry; atomic theory; periodicity; bonding; states of matter; energetics; kinetics; equilibrium; acids and bases; oxidation and reduction; and organic chemistry. Chemistry SL students must complete three of six optional topics in: higher organic chemistry; higher physical chemistry; human biochemistry; environmental chemistry; chemical industries; or fuels and energy. All International Baccalaureate experimental science classroom times are devoted to performing practical (laboratory) work that covers a range of topics and skills, including a multi-disciplinary group science project.

IB Chemistry II (SL) [Grade: 12] (1 credit: year-long class) [AW] Prerequisite: IB Chemistry I (SL).

This class is a sequel course to IB Chemistry I (SL). All seniors who were enrolled in IB Chemistry I (SL) will enroll in this course.

IB Chemistry I (HL) [Grade: 11] (1 credit: year-long class) [AW] Prerequisites: Freshman Physics & Biology.

Chemistry (HL) is designed to meet the needs of those who want to study science at a university level and also those who will complete their formal study of science at the end of the course. Course topics at both levels include: stoichiometry; atomic theory; periodicity; bonding; states of matter; energetics; kinetics; equilibrium; acids and bases; oxidation and reduction; and organic chemistry. Chemistry HL students must complete 250 hours of study and three of six optional topics in: higher organic chemistry; higher physical chemistry; human biochemistry; environmental chemistry; chemical industries; or fuels and energy. All International Baccalaureate experimental science classroom times are devoted to performing

practical (laboratory) work that covers a range of topics and skills, including a multi-disciplinary group science project.

IB Chemistry II (HL) [Grade: 12](1 credit: year-long class)[AW] [Prerequisite: IB Chemistry I (SL)].

This class is the sequel course to IB Chemistry I (HL). All seniors who were enrolled in IB chemistry I (HL) will enroll in this course.

Physics [Grades: 11-12] (1 credit: year-long class) [HW] [Prerequisite: Algebra II & Trigonometry].

This course is designed for first-year IB Physics SL students (juniors) or students taking a general one year physics course. The course includes the study of matter and energy and the relationships between them through theory and experimentation. Over a one-year academic period, students obtain a comprehensive foundation of the core topics of physical measurement, mechanics, waves, optics and electricity and magnetism. Students comprehend, analyze, apply, evaluate and synthesize physics theories and laws and perform scientific investigations that complement one another. Understanding is enhanced through problem solving and laboratory work.

IB Physics I (SL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: Freshman Physics & Biology].

First year

This course is designed for first-year IB Physics SL students (juniors) or students taking a general one year physics course. The course includes the study of matter and energy and the relationships between them through theory and experimentation. Over a one-year academic period, students obtain a comprehensive foundation of the core topics of physical measurement, mechanics, waves, optics and electricity and magnetism. Students comprehend, analyze, apply, evaluate and synthesize physics theories and laws and perform scientific investigations that complement one another. Understanding is enhanced through problem solving and laboratory work.

IB Physics II (SL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Physics I (SL)].

Second year

This course is designed as a second-year course covering additional topics not covered in the first year physics course in order to meet all of the IB curriculum requirements. The following topics will be covered: thermal physics, atomic and nuclear physics, energy, power and climate change, including the SL options of sight and wave phenomena, and electromagnetic waves. Students will be required to complete a multi-disciplinary group science project as part of the requirements for this course. This is the second one-year course in the two-year sequence to prepare students to take the IB Standard Level assessment.

AP Biology [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisites: Chemistry in the Environment, College Chemistry OR AP Chemistry].

A college level biology course with a strong laboratory emphasis. College exams and laboratories are used. Topics of study include cellular biology, plant physiology, animal physiology and ecology.

Science Research [Grades: 9-12] (1 credit: year-long class) [AW] [Prerequisites: (Must have instructor approval)].

Science research is designed to be a student-initiated independent research course, which requires a substantial amount of self-discipline to complete successfully. A brief introduction to the nature of scientific research will be followed by a substantive literature review and individual project design, analysis, and presentation. During this course students will be given the opportunity to work with a

mentor from the scientific community, identify a research topic, conduct original research, write a scientific paper, and defend their research in front of a panel of scientists.

IB Biology I (SL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: Freshman Physics, Chemistry in the Environment or AP Chemistry].

IB Biology is a two-year course designed to prepare students for the Standard Level International Baccalaureate Exam. Internal Assessment will comprise 40 hours, including Laboratory Investigations (25-30) and the Group 4 Project (10-15 hours).

IB Biology II (SL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Biology I (SL)].

This class is the sequel course to IB Biology I (SL). All seniors continuing with IB Biology (SL) will need to take this course.

IB Biology I (HL) [Grade: 11] (1 credit: year-long class) [AW] [Prerequisite: Freshman Physics, Chemistry in the Environment or AP Chemistry].

This course follows the rigorous International Baccalaureate curriculum regarding the biological world. Course topics include cells and their metabolism at the molecular level, genetics, evolution, protein synthesis and gene expression, and plant biology. Students will be conducting research and writing papers in current international events regarding biology. Extensive laboratory work will be conducted and students are expected to keep a detailed portfolio of lab activities. A mandatory Group 4 ecological field project will be conducted with students from the other IB science courses. Topics covered in the second year will emphasize human anatomy and physiology, immunology, reproductive physiology, and ecology. Students will be required to take the International Baccalaureate SL or HL exam and submit their laboratory portfolios to the IB organization for grading.

IB Biology II (HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: IB Biology I (HL)].

This class is the sequel course to IB Biology I (HL). All seniors who are in IB Biology (HL) will take this class.

Anatomy & Physiology [Grade: 11-12] (1 credit: year-long class) [HW].

Anatomy and Physiology is a branch of the Biological Sciences that examines structural components of humans and all animals, and attempts to relate these structures to their functions. Examining structure to function relationships is one of the core themes in Biology. This course will take a molecular and cellular approach, applying the molecular and cellular building blocks to a greater understanding of the functioning of animals.

Astronomy & Meteorology [Grade: 11-12] (1 credit: year-long class) [HW].

Note: This course will integrate both Astronomy and Meteorology into a year-long course. Meteorology is a course designed for the student who enjoys investigating natural atmospheric phenomena such as thunderstorms, tornadoes, hurricanes, atmospheric energy, seasons, humidity, condensation, air pressure, clouds, wind, air masses, and fronts. Weather forecasting will be an integral part of this course.

Astronomy is a course designed for the student who enjoys observing and exploring the world and universe. Concepts covered include cosmology, stars and constellations, the solar system, lunar cycles, history of modern astronomy, telescopes, stellar spectra, star formation and death, galaxies, structure of the universe, asteroids, comets and meteorites.

Forensic Science [Grade: 11-12] (1/2 credit: semester class) [HW].

Forensic science is the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. Major themes of study in this course are pathology, anthropology, odontology, ballistics, trace evidence, biological

fluids, DNA, fingerprints, impression evidence, questioned documents and forensic psychiatry/psychology.

Marine Biology [Grade: 11-12] (1 credit: year-long class) [HW].

Marine Biology is the scientific study of the plants, animals, and other organisms that live in the ocean. This course will cover the basics of marine biology with a global approach, using examples from numerous regions and ecosystems worldwide. Several Oceanography topics will also be explored which relate to the marine organisms interaction with their non-living environment. *Students enrolled in this course will have the opportunity to participate in a week-long marine science field experience on an island off the coast of Belize during the summer following completion of the course.*

IB Marine Science [Grade: 11-12] (1 credit: year-long class) [AW].

Marine science is the study of both living and non-living processes within the Earth's oceans. This course will use a global perspective to cover topics related to both Marine Biology and Oceanography with a focus on current research related to the Marine Science field. *Students enrolled in this course will have the opportunity to participate in a week-long marine science field experience on an island off the coast of Belize during the summer following completion of the course.*

Freshwater Ecology [Grade: 11-12] (1/2 credit: semester class).

This course is an introduction to the ecology of plant and animals in lakes, ponds, streams and wetlands. General ecological principles are addressed with an emphasis on the interrelationships between biotic and abiotic factors in aquatic systems.

Zoology [Grade: 11-12] (1/2 credit: semester class) [HW].

Zoology will cover the following information about invertebrate and vertebrate organisms: habitats and environmental relations, comparative structure and function, feeding and digestion, circulation, and gas exchange, excretion and osmoregulation, sensory and information processing, reproduction and species continuation. Taxonomy will also be presented as a part of each kingdom.

*** Science Waiver***

Students may be able to waive one (1) science credit (excluding Biology) if they enroll in and successfully complete a total of 3 (three) credits in any of the following science-based courses at LCTC with Counselor approval:

- Animal Science
- Conservation of National Resources
- Greenhouse Production
- Health Occupations I
- Health Occupations II
- Introduction to Agriculture
- Livestock Operations & Management
- Turf & Landscape Management

FINE ART

ART

Art I [Grades: 9-12] (½ credit: semester class)

Art I presents the student with visual literacy and perception, creative expression, historical and cultural artistic heritage, evaluation and critique of art, problem solving skills, various art forms, art media techniques, processes, and image development. Enrollees will be maintaining a sketchbook of techniques and images for the creation of drawings and paintings. This course is designed for students interested in the process, history, and creation of visual artwork. Students seeking a visual arts career will have a portfolio review with the instructors to bypass Art I and move into the advanced visual arts courses.

Art II [Grades 9-12] (1/2 credit: semester class)

Art II students refine and extend their art making abilities, historical knowledge, and experiences through collage, sculpture, painting, drawing and printmaking. This course is intended for students who do not plan on taking advanced art courses.

Drawing I [Grades: 10-12] (½ credit: semester class) [Prerequisite: Art]

Students study drawing in various line and value media from still life, figure, nature, and the imagination. This course is designed to teach the student to see mode, express form and space. There is an emphasis on the inventive as well as the representative. Students study historical artworks and techniques.

Drawing II [Grades: 10-12] (½ credit: semester class) [Prerequisite: Drawing I]

Students study with a focus on figure, art history and the development of individual style and expression.

Visual Literacy & Design [Grades: 10-12] (½ credit: semester class) [Prerequisite: Drawing I and Drawing II]

Visual literacy is the ability to interpret, negotiate, and make meaning from information presented in the form of an image, extending the meaning of literacy, which commonly signifies interpretation of a written text. Visual Literacy & Design will offer the artist keys to understand the visual "conversation," where they will gain the ability to decode imagery and to communicate using the visual language.

Painting I [Grades: 10-12] (½ credit: semester class) [Prerequisite: Drawing I; Preferred Prerequisite: Drawing II]

Students learn and refine their artistic vision through watercolor and acrylic paintings. Art history, technique research and development, composition and meaning is the basis of Painting I. Students developing a professional portfolio should enroll.

Painting II [Grades: 11-12] (½ credit: semester class) [Prerequisite: Painting I]

We explore advances in solutions to studio problems in oil painting with emphasis on the development of individual style of expression.

Ceramics I [Grades: 10-12] (½ credit: semester class) [Prerequisite: Art I with a B or better]

This course explores ideas and basic techniques, using clay as an art material utilizing pinch, coil and slab. The course also introduces glaze techniques, kiln loading, firing, and basic concepts of 3D design. The aesthetics of form, visual thinking and the history of ceramics will also be covered.

Ceramics II [Grades: 10-12] (½ credit: semester class) [Prerequisite: Ceramics I with a B or better]

This is the study of clay and its properties as an art material. Students may pursue hand building, wheel

throwing, glazing techniques, and kiln firing, with focus on developing a personal style. Emphasis will be on design, form and visual thinking. Students will develop a unified and themed body of 3D artwork.

Portfolio Art [Grades: 11-12] (½ credit: semester class) [Prerequisite: Painting I]

This is for students interested in a career in Art. Each student will work individually toward building an art portfolio for scholarships, admissions, and employment.

Printmaking [Grades: 11-12] (1/2 credit: semester class) [Prerequisite: Art I]

This visual arts course offers techniques in monoprint, collograph, relief, lithography, and intaglio printmaking processes. We examine contemporary printmaking content and techniques. Student should expect deep exploration into social justice and the possibilities using multiples as content for art making.

Art History [Grades: 9-12] (1/2 credit: semester class)

In this course students will get a fascinating overview of human artistic development. From the cave art of our earliest ancestors and the wonders of ancient Egypt, Greece, and Rome, it takes us through the full range of awe-inspiring Gothic and Renaissance masterpieces, and on to the modern expressions and human creative potential reflected in today's contemporary art and architecture. This course is designed for students who would like to study art through simple art making tasks or expand their knowledge of art history to develop a well-rounded visual lexicon. This course is intended for students who are seeking a fine arts credit. Students will do extensive artist journaling instead of doing involved, hands-on projects.

Mixed Media [Grades: 11-12] (1/2 credit: semester class) [Prerequisite: Must have completed two visual art courses and earned a "B" average]

Students participate in various concept driven art experiences and explore the elements and principles of design. Students produce original artwork while learning skills and techniques associated with a variety of art media. Students work with printmaking, batik, collage, weaving/sewing/fabrics, and assemblage.

IB Visual Arts (SL) or (HL) [Grades: 11-12] (1 credit per year: 2- year class) [AW] [Prerequisite: Previous art classes in 9th and 10th grades]

IB Visual Arts provides students with a multi-cultural opportunity in which to create a portfolio of work suited for exhibition at the end of the student's two-year study. This course will help to develop the student's particular style through in depth investigation of current and ancient works of visual art. Students will also investigate how changes in technology, religion, and politics influenced visual arts, drama, and literature around the world. Daily interdisciplinary investigations pertaining to visual arts in and outside of the classroom will be charted through artistic growth. Various assessments will be performed both internally and externally to plot artistic growth throughout this design course. In addition to the portfolio each IB student will be expected to keep a research journal. This research journal will mark a visual and written progression related to the student's portfolio during the next two years.

AP 2D Portfolio Art (Drawing/Painting) [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisites: Art I, Drawing I & Portfolio review w/instructors]

This portfolio is intended to address 2D design issues. Design involves purposeful decision making in order to use the elements and principles of art in an integrative way. Students are asked to demonstrate master of 2D design through any 2D medium/process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, wearing, fashion illustration, painting and printmaking.

AP 3D Portfolio Art (Ceramics/Sculpture) [Grades: 11-12] (1 credit: year-long class) [AW] [Prerequisites: Art I, Ceramics I and profolio review w/instructors]

This portfolio is intended to address sculptural issues. Design involves purposeful decision making about using the elements and principles of art in an integrative way. Students are asked to demonstrate their

understanding of design principles as they relate to the integration of depth and space and volume and surface. The principles of design can be articulated through the visual elements.

ART 101 – Art Appreciation Online [Grades 11-12] 3 College Credit Hours (1/2 credit: semester class) [HW]

This course studies art history from the last of the 19th century through the present. It includes the evolution of art by focusing on the major art movements of the past 100 years and encourages appreciation of visual art through the study of content, design, technique, and criticism of art. Students learn how art changed during this period and how it reflects the dynamics of 20th century civilization.

Graphics or Photography

Students will be permitted to take two hours of either Digital Imaging OR Graphics to fulfill the fine art credit. See Lake Career & Technical Center pages for full course description.

Drama

Acting I [Grades: 9-12] (½ credit: semester class)

Introduction to Theater Arts provides students with opportunities to explore and experience the many aspects of theater. Units include: improvisation, pantomime, voice & diction, action and other aspects of beginning performance.

Acting II [Grades: 10-12] (½ credit: semester class) [Prerequisite: Acting I]

Units covered include studies of different acting methods, character development, directing, staging, and advanced script analysis. Students will select and perform several selections during the semester. The overall emphasis of this class is improved acting performance & characterization.

Theatre Arts: Lighting and Sound [Grades: 9-12] (½ credit: semester class) (Class may NOT be repeated without teacher permission)

This course will cover the principals of stage lighting and sound as they apply to the current school play. Students will cover units in design, color, and focusing while also learning to operate the computerized light board and the sound board in our state-of-the art auditorium.

Theatre Arts: Scenery and Design [Grades: 9-12] (½ credit: semester class) (Class cannot be repeated without teacher permission)

This course will cover the principals of set and design as they apply to the current school play. Students will cover units in design, safety, tools, scenic units, and theatrical painting.

The following texts have been selected for inclusion in this class:

Peter Pan
A Midsummer Night's Eve
The Odd Couple

(Time constraints and student comprehension may require individual educators to modify their lesson plans resulting in the exclusion of one or more texts).

IB Theatre/Advanced Projects in Theatre (SL) or (HL) [Grades: 11-12] (1 credit: year- long class) [AW] [Prerequisite: Only IB students and/or students who have taken at least two other theatre classes and have the instructor's approval]

This course is designed to allow students to explore the complete nature of the theatre. The student will gain knowledge in the subject, and then will be expected to put that knowledge into action with various higher-level projects. The projects will allow the student to directly experience theatre the way it is intended to be by doing, rather than just the study of theatre through readings and texts. Also, students

will understand the forms theatre takes in cultures other than their own, and through this understanding, will better know themselves, society, and the world in which they live. This course will be divided into the following parts: 1. Performance Skills. 2. World Theatre Studies. 3. Practical Play Analysis. 4. Theatre Production. 5. Individual Project.

Speech and Theater 107-Introduction to Theater [Grades: 11-12] 3 College Credit Hours (½ credit: semester class) [HW]

This is a survey of theatre class which covers the main elements of theatre, various theatrical cultures, theatre throughout history, and theatrical production values through reading, lectures, group projects, and activities. This class will provide the student with a wide variety of theatrical knowledge. This is not an acting class and is for college bound students of any kind.

Music

Band [Grades: 9-12] (1 credit: year-long class)

Instrumental music. All members are required to attend and participate. This includes but is not limited to: football games, concerts, parades, and contests. Students will be assigned to Concert or Symphonic Band based on their audition. All members are required to attend summer band camp.

IB Band (HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: Former Band classes during 9th and 10th grades]

IB Band HL is a year study course in which the student prepares for one or more solo or ensemble recitals of 15-20 minutes. Emphasis is on musical perception and analysis of specific works derived from the study of various musical genres and styles. Students compose, perform, and record an original work along with a written statement concerning the composition. Enrollment in this course is limited to students pursuing the International Baccalaureate Diploma and preparing for the IB High Level Exam.

Bel Cantos [Grades: 10-12] (1 credit: year-long class)

An auditioned chamber choir with enrollment limited to 32 singers. In order to audition for Bel Cantos, a student must have been a member of Concert Choir for at least one year prior to auditioning. Membership is typically 16 women and 16 men. Members of Bel Cantos aspire to the highest standards of choral performance and leadership. Bel Cantos members are required to audition for the CDMMEA All-District Choirs and participate in the annual District/State Solo & Ensemble Festival. Bel Cantos performs in three major concerts each year, portrays the royal court in the biennial Renaissance Yuletide Feasts, and performs extensively for community and civic organizations during the Christmas season. Bel Cantos will also compete in the annual State Large Group Choral Festival and National Choral Competitions. Several clinics and extra rehearsals are required.

Concert Choir [Grades: 9-12] (1 credit: year-long class)

A large auditioned choir with membership open to students in grades 9 – 12. Concert Choir members are eligible to audition for the CDMMEA All-District Choirs and participate in the District/State Solo & Ensemble Festival. Concert Choir performs on three major concerts each year; participates in the biennial Renaissance Yuletide Feasts and competes at the State Large Group Choral Festival and National Choral Competitions. Concert Choir is split into two classes; Concert Men's Chorus and Concert Women's Chorus. Extra rehearsals are required at various times throughout the year.

IB Choir (HL) [Grade: 12] (1 credit: year-long class) [AW] [Prerequisite: Former Choir classes during 9th and 10th grades]

IB Choir HL is a year study course in which the student prepares for one or more solo or ensemble recitals of 15-20 minutes. Emphasis is on musical perception and analysis of specific works derived from the study of various musical genres and styles. Students compose, perform, and record an original work

along with a written statement concerning the composition. Enrollment in this course is limited to students pursuing the International Baccalaureate Diploma and preparing for the IB High Level Exam.

IB Music (SL) and (HL) [Grades: 11-12] (1 credit: year-long class) [AW]

IB Music (HL) will be a two semester course of study involving aspects of music history, and analysis. Students will be required to complete requirements as specified by IBO.

Students will receive weighted credit for their senior level band or choir ONLY if they are testing in Music HL. No weighted credit for band or choir will be given to students testing in Music SL.

Music Theory [Grades: 11-12] (1/2 credit: semester class)

Music Theory will be a one-semester course studying basic concepts in the technical aspects of music. Topics will include identifying and writing notes, key signatures, scales, and chords. Students will also learn basic four-part harmonic analysis and writing. IB Music students are allowed to take Music Theory, but it is NOT a prerequisite to the IB Music class.

Special Category Classes

Strategies for Literacy [Grades: 9-12] (1 credit: year-long class)

Strategies for Literacy is an intensive, full-year course designed to provide students with strategies for improving their reading and writing skills. Reading comprehension strategies are discussed and demonstrated, and then students are given extensive practice in applying those strategies to all types of text. Because writing instruction and practice positively impact performance in reading, weekly writing activities are assigned to provide ongoing student involvement in the prewriting, drafting, and revising stages of the writing process. The Six Traits of Reading are used to provide a wide range of skills in reading.

The smaller size of Strategies for Literacy classes allows the teacher to provide additional individualized instruction and personal feedback to each student. The resulting improvement of reading and writing skills is likely to have a positive effect on the students' achievement in all classes. **Students who meet the school criteria for this course will be required to take this course in addition to their required language arts course.** Placement in this course is based on multiple criteria, such as: the Terra Nova, Scholastic Reading Inventory (SRI), CTBS, grade-level reading tests, informal reading inventories, semester grades, and teacher recommendations.

Yearbook [Grades: 9-12] (1 credit: year-long class) [Teacher approval]

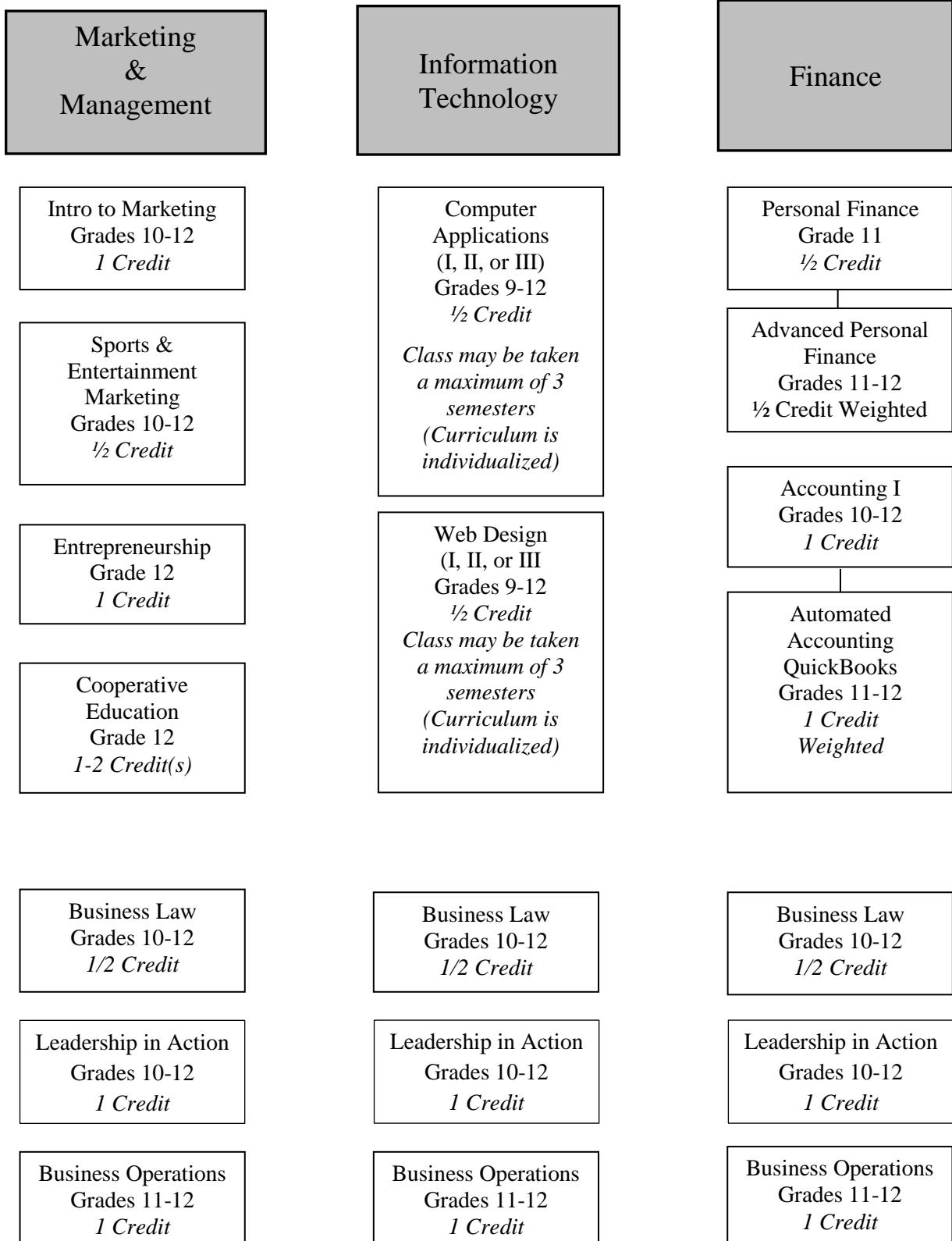
Students will apply typing speed, document formatting, and composing at the computer. Students will receive instruction in desktop publishing, photography, caption writing and interviewing. Students will use learned skills to produce the yearbook. All students on the yearbook staff are required to attend extracurricular events on a weekly basis to take pictures. Transportation to these events is the responsibility of the students. No students are asked to attend away games or activities.

Library Science [Grades: 10-12] (1/2 credit: semester class)*

Students act as library assistants, as well as learning about libraries and their operations. Students circulate and shelve library materials, prepare displays, file, and help patrons. Some students will be assigned to the elementary and middle school libraries. Good attendance is required and being an avid reader is a must. Limited seats available.

*Library Science can be taken as a practical art.

Business & Marketing -- Scope & Sequence



BUSINESS & MARKETING

Accounting I [Grades: 10-12] (1 credit: year-long class)

Accounting I introduces students to the “language of business.” Students will perform duties that assist the accountant in recording, sorting, and filing financial data. Competency will be exhibited by completing the accounting cycle which consists of journalizing and posting transactions; reconciling a bank statement; completing a worksheet; creating a trial balance, balance sheet, and income statement; adjusting and closing entries; and implementing petty cash procedures. This class prepares students for continuing their education in accounting, business or a related field. It is also a class designed for those that plan to own their own business and for those students entering the workplace.

Automated Accounting/QuickBooks [Grades: 11-12] (1 credit: year-long class) [HW] Prerequisite: Accounting I

Automated Accounting/QuickBooks is the second year study of accounting that will review and introduce the students to different areas of accounting as well as completing accounting transactions using software. These areas include payroll, departmentalized accounting; general accounting adjustments related to uncollectible accounts; depreciation of assets, notes payable, and notes receivable, prepaid and accrued accounts, and corporate accounting.

Business Law [Grades: 10-12] (½ credit: semester class)

Students will develop a basic understanding of the legal system and how it works. Students will be able to analyze and evaluate various legal situations, problems and contracts. Class discussion and participation is a must. Units included are Ethics and Law, Criminal Law, Problems of Society, Buying a Home, Insurance Protection, and Renting an Apartment.

Business Operations [Grades: 11-12] (1 credit: year-long class) Prerequisite: Prior Marketing & Management, Information Technology, or Finance classes and Instructor’s Approval.

This course is a capstone class for business and marketing students to use their technology, marketing, accounting and/or finance skills. Curriculum will include learning the fundamentals of running a business. Students will be engaged learners as they use their skills and knowledge to operate a business.

Membership and participation in FBLA, an association of business students, is expected.

Computer Applications I, II, or III [Grades 9-12] (1/2 credit: semester class – up to 1 ½ credits)

Students will be provided hands-on experience using word processing, presentation, spreadsheet publishing and database software (or any combination thereof) to create professional business documents. Integration of these applications and projects will be available as part of the individual curriculum. Students will have the opportunity to take a maximum of three separate semesters of Computer Applications.

Cooperative Education [Grade: 12] (2 credits: year-long class)

Cooperative Career Education is a unique program that combines classroom instruction, cooperative work experience, and student activities in DECA. The program is structured to include all three integral components to teach the core curriculum in the context of real life experiences, and to provide the opportunity for students to grow both professionally and personally. Students are placed in employment that directly contributes to the development of the competencies necessary for successful employment in the field of marketing. The student must be concurrently enrolled in Entrepreneurship or Introduction to Marketing and obtain preapproval from the instructor. **Membership and participation in DECA—an association of marketing students, is expected.**

Entrepreneurship [Grade: 12] (1 credit: year-long class)

Students will identify the fundamentals of business creation, the personal attributes needed to be a successful entrepreneur, and will research various business opportunities. Topics covered include the characteristics of an entrepreneur, discovering entrepreneurial opportunities, and researching and analyzing domestic, global and market trends. **Membership and participation in DECA—an association of marketing students, is expected.**

Introduction to Marketing [Grades: 10-12] (1 credit: year-long class)

An introduction to marketing principles and practices, including entry-level job skills, economics, consumer behavior, market research, product planning, pricing, distribution, and promotion. Students will complete plans for an innovative marketing mix, advertising campaign projects using multi-media technology, and market research projects. **Membership and participation in DECA—an association of marketing students, is expected.**

Leadership in Action [Grades: 10-12] (1/2 credit: semester class)

This project based leadership course develops student understanding and skills in such areas as emotional intelligence, professional development, and communication. Students acquire an understanding and appreciation of the need for leadership at school, at home, and in the community. The capstone activity of the course is the implementation of a service-learning project. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

Personal Finance [Grade: 11-12 or IB 10] (1/2 credit: semester class)

Students will develop the essential knowledge and skills to make informed decisions about real world financial issues. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

Sports and Entertainment Marketing [Grades: 10-12] (1/2 credit: semester class)

This class will help the student develop a thorough understanding of the marketing concepts and theories as applied to sports and entertainment venues. Content will cover sponsorships, endorsements, distribution, pricing, market research, e-commerce, event management, and promotion. **Membership and participation in DECA – an association of marketing students, is expected.**

Web Design I, II, or III - [Grades: 9-12] (1/2 credit: semester class (students can earn up to 1 ½ credits))

Through hands on experiences students will learn how to design, create, and maintain web pages. This course takes students through the life cycle of a web page (designing/evaluation, developing, maintaining). Students will have the opportunity to take a maximum of three separate semesters of Web Design.

ACCT 101 - Principles of Financial Accounting Online [Grade: 11-12] (1/2 credit: semester class) - 3 college credit hours [HW] Prerequisite: Student must have earned a C or better in Accounting I.

This course is an introduction to the fundamental principles of financial accounting. Generally accepted accounting principles are used to identify and properly classify the various elements of financial statements and to analyze the effect of business transactions on the earnings, financial position and equity of business entities.

BADM 107 – Personal Finance On-Line [Grades: 11-12] 3 College Credit Hours (1/2 credit: semester class) [HW] Introduction to personal finance management. Examines the techniques necessary

to analyze and make choices concerning major purchases, tax planning, insurance, borrowing, investing, and other personal finance issues.

BSMT 108 – Principles of Management On-Line [Grades 11-12] 3 College Credit Hours (1/2 credit: semester class) [HW] Introduction to the theory and practice of management covering the basic functions of management: planning, organizing, leading and controlling.

CIS 103 – Introduction to CIS On-Line [Grades 11-12] 3 College Credit Hours (1/2 credit: semester class) [HW] Course teaches the skills necessary to understand the logic of computer programming, design and structure. Students will be presented effective tools needed to enhance their knowledge of using the latest innovations in technology.

FAMILY AND CONSUMER SCIENCE

Career and Family Leadership [Grades: 9-10] (½ credit: semester class)

This program gives students a look at the various aspects of the Family and Consumer Sciences programs that are available and to help prepare them for multiple roles as individuals and family members.

Clothing & Costume Construction [Grades: 9-12] (½ credit: semester class)

Students learn the basics of clothing construction to help them determine the quality of ready-to-wear clothing and to give them the skills to select, construct, maintain and alter clothing and textile products. This course includes working with Theater Arts program to design/construct costumes for productions.

Advanced Clothing & Costume Construction [Grades: 10-12] (½ credit: semester class)

[Prerequisite: C or higher in Clothing Construction or with instructor's approval]

Students learn advanced clothing construction skills needed to select, construct, maintain and alter clothing and textile products. Students complete clothing projects and learn how to do other needlecrafts. This course includes working with Theater Arts program to design/construct costumes for productions.

Housing & Interior Design [Grades: 10-12] (½ credit: semester class)

Students learn to use basic decorating concepts to express their own individuality. The course focuses on decorating the home with emphasis on cost, style, and arrangement, color, designing floor plans, etc. We also look at various design styles throughout history.

Advanced Interior Design [Grades: 10-12] (½ credit: semester class) [Prerequisite: Must have a C or above in Housing & Interior Design]

This course is designed to help students analyze environments and develop skills to determine the best ways to meet housing needs of individuals and the skills to create affordable home decorating items. This course requires basic sewing skills and students are required to provide some materials used for projects.

Family and Individual Health [Grades: 10-12] (½ credit: semester class)

This class prepares individuals to understand the related aspects of health and wellness with special emphasis on nutrition, emotional health, and physical health; the relationship of an individual's health to the family's wellness; the prevention of illness; and the basic care of the ill, including the elderly, young children and individuals with disabilities.

Nutrition [Grades: 10-12] (½ credit: semester class)

Students learn the principles of nutrition; the relationship of nutrition to health and wellness; the selection, preparation and care of food; meal management to meet individual and family food needs and patterns of living; food economics and optimal use of the food dollar.

Family Relations [Grades: 10-12] (½ credit: semester class)

This class helps students prepare for various aspects of family/individual life. Topics covered include preparation for marriage, establishing and maintaining relationships in life, dealing with crisis, financial and aging adjustments as well as balancing work and family.

Child Development [Grades: 10-12] (½ credit: semester class) This class is a study of the intellectual, social, emotional and biological development from conception through early childhood. It includes instruction in parent child relations; parenting practices; special needs of children; parental and environmental influences on child development.

Parenting [Grades: 10-12] (1/2 credit: semester class) [Prerequisite: C or above in Child Development]

This course includes instruction in the concepts and principles related to various family living conditions. It helps students understand the importance of proper parenting and deals with issues such as abuse and neglect as well as instruction in parenting practices, special needs of children, parental and environmental influences on child development, external support services and related public policy issues.

PHYSICAL EDUCATION

Health [Grades: 9-11] (½ credit: semester class) [Required for all freshmen]

Units include: drugs, alcohol, and tobacco education; first aid, mental, physical, and social health; dating and family health; diseases and disorders; nutrition; fitness and personal care. **This class is required for graduation.**

Physical Education [Grades: 9-12] (½ credit: semester class) [Required for all freshmen]

Development of physical fitness will be the top priority in P.E. Coed classes. Students will work on developing and maintaining good physical fitness as well as instruction and participation in various recreational sports activities scheduled with the different seasons of the year.

Weight Training [Grades: 10-12] (½ credit: semester class) [This class may be taken more than once]

Students must have completed the P.E. requirement to take Weight Training. The class will deal with flexibility and muscle conditioning. The class will be geared toward athletes in order to maintain muscular strength and endurance, flexibility and agility during their respective sport season, or to increase athletic performance during off-season.

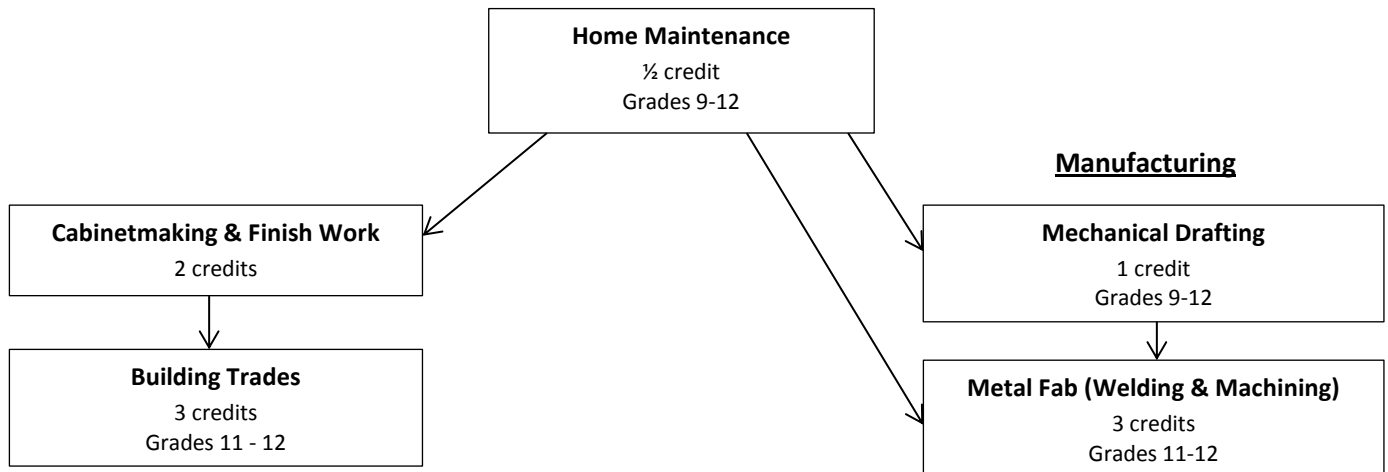
Fitness for Life [Grades: 11-12] (½ credit: semester class) [Students must have completed the physical education requirement] (Females Only)

Students must have completed the physical education requirement. This class is for junior and senior females only. A combination of strength training and cardiovascular exercises will be utilized to enhance student fitness level. Yoga, Pilates, and stability ball exercises will be some of the fitness units.

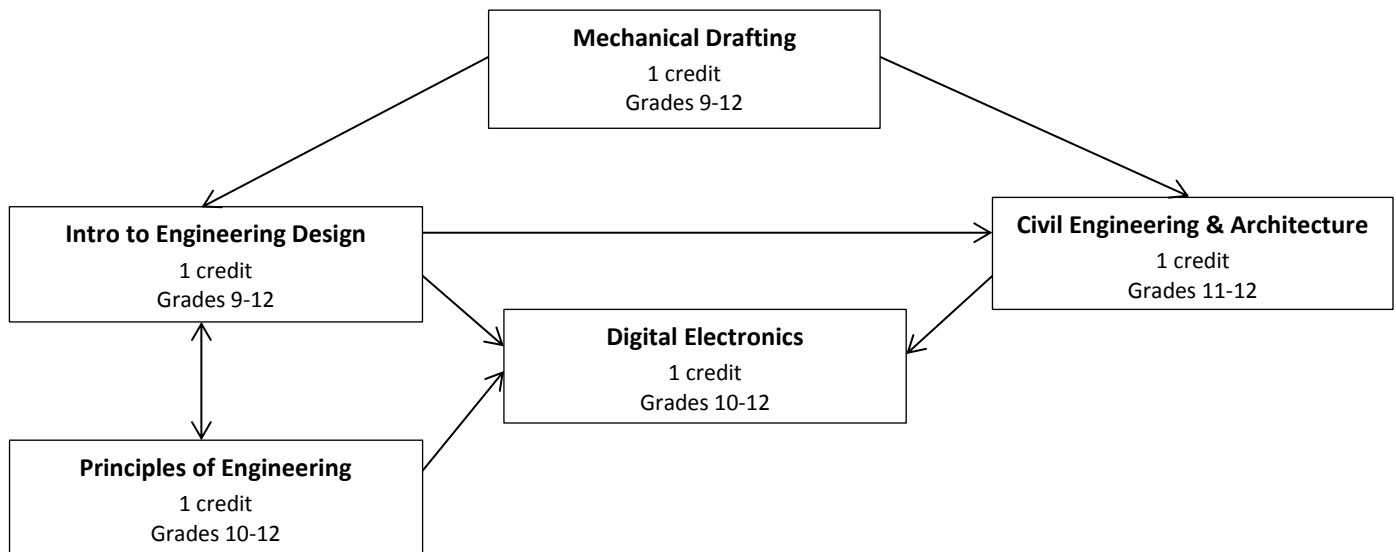
Lifetime Activities [Grades: 11-12] (½ credit: semester class) [Students must have completed the physical education requirement] Students must have completed the physical education requirements. This class can only be taken a MAXIMUM of two semesters.

This class focuses on physical activities that can be conducted throughout life. Examples include archery, bocce ball, horseshoes, and croquet.

Construction & Manufacturing Sequence Suggested (but not required)



Project Lead the Way Pre-Engineering Sequence Suggested (but not required)



INDUSTRIAL TECHNOLOGY

Home Maintenance & Fab Lab [Grades: 9-12] (½ credit: semester class)

This class will provide both males and females hands on practical experience in Home Maintenance and Fabrication. Students will learn electrical wiring and plumbing, wall paper techniques, tiling, wall construction, precision measuring, drywall, selection of paint and stains and creating small projects. This is a very good class for seniors who will soon be living on their own.

Mechanical Drafting [Grades: 9-12] (1 credit: year-long class) [No Prerequisite]

Drafting is a graphic language that is the means in which all industries communicate. Students will learn the fundamentals of drafting and the career opportunities that it presents. Instrument drafting and Computer Aided Drafting and Design (CADD) will be used to teach this universal language. This class is a must for a student wanting to enter the technical trades all the way to becoming an engineer.

Computer Graphics [Grades: 9-12] (1 credit: year-long class)

This class will introduce students to software utilized in all facets of computer graphics. Computer components and terminology will be reviewed to prepare students to be an educated consumer of computer technology. Software to be covered includes 2D and 3D animation, digital photo manipulation, presentation software, music creation and digital video editing software that are currently being used in industry. Digital imagery techniques and its related software will be incorporated into the class. Much of the class time will be hands on working through tutorials and various projects. Students will create a DVD portfolio of all class work.

Project Lead the Way

Project Lead the Way (PLTW) is a national program designed by engineers and educators to help give students the knowledge they need to excel in high-tech fields. PLTW's goal is to increase the number, quality, and diversity of engineers and high-tech graduates from our educational systems. Camdenton is one of 50 high schools in Missouri to offer this program. These five challenging courses utilize project-based, hands on experience applying math and science concepts by immersing them in rigorous real-life engineering problems. The first three courses are foundation courses that should begin freshman year with either IED or POE. All three-foundation courses can receive college credit from either the Rochester Institute of Technology in New York, University of Central Missouri in Warrensburg, or Missouri University of Science & Technology in Rolla. Each institution has its own set of guidelines and cost for credit if the student successfully passes the course with a B and a national EOC test at years end.

Introduction to Engineering Design (IED) – (foundation course)

Principles of Engineering (POE) – (foundation course)

Digital Electronics (DE) - (foundation course)

Civil Engineering & Architecture (Prerequisite IED or Mechanical Drafting)

Introduction to Engineering Design (IED) (PLTW foundation course) (Grades: 9-12) (1 credit: year-long class) [AW] [Prerequisite: Student must have passed Algebra with a C] College Credit Available. It is recommended to take IED first.

Using 3-D computer modeling software, students learn the design process, and they solve design problems as they develop, analyze, and create product models. Any student going into engineering, technology, or a technical trade should take this course. Students should have had or be enrolled in Algebra. This course is also available for college credit.

Principles of Engineering (POE) (PLTW foundation course) [Grades: 10-12] (1 credit: year-long class) [AW] [Prerequisite: Algebra with C+] College Credit Available. It is suggested that IED is taken before this course and that this course is taken prior to Physics.

The many types of engineering fields will be explored with career opportunities presented. Students explore technology systems and engineering processes to find out how math, science, and technology are used in an engineering problem solving process to help people. Classroom instruction is one-third theory and two-thirds application. Students should have passed Algebra with a C+ prior to taking the course. This course is also available for college credit.

**Digital Electronics (DE) (PLTW foundation course) [Grades: 10-12] (1 credit: year-long class)
[AW] [Prerequisite: Algebra I with a recommended B average or permission of instructor] (College Credit Available)**

This course in applied logic encompasses the application of electronic circuits and devices. Students use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices. Topics include basic circuit analysis, Boolean logic, logic gates, counters and flip-flops, and elementary microprocessors. Activities include design and implementation of microprocessor-controlled robotic devices. College credit is available by meeting specified requirements through Project Lead The Way (PLTW).

**Civil Engineering and Architecture (PLTW Adv. course) [Grades: 10-12] (1 credit: year-long class)
[AW] [Prerequisite: Mechanical Drafting or Intro to Engineering Design] College Credit Available**

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is designed for 11th or 12th grade students.

Lake Career & Technical Center (LCTC)

PRACTICAL ART

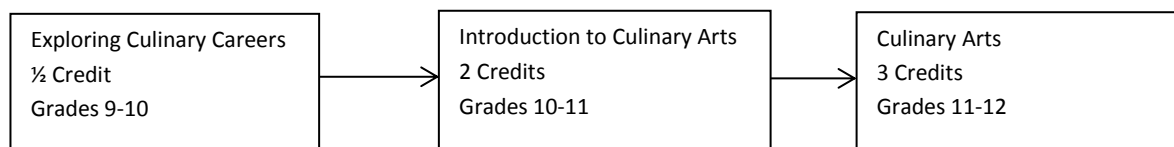
The following classes are taught at LCTC and are a Practical Art credit:

Programs	Embedded Credit	Programs	Embedded Credit
Ag. Power & Construction*	Math	Introduction to Culinary Arts	English
Animal Science	Science	Introduction to Health Care	
Auto Diagnostics, Elec & Engines	Math	Introduction to Law Enforcement	
Automotive Technology	Math	Introduction to Teaching	
Building Trades	Math	Intro to Power Sports & Power Equipment	
Collision Repair & Customizing Basics	Math	Livestock Operations & Management	Science
Collision Repair Technology	Math	Marine Power & Extreme Sports Technology	Math
Computer Repair & Networking	English	Medical Terminology - The Human Body	English
Conservation of Natural Resources*	Science	Metal Fab - Welding & Machine Tool	Math
Crime Scene Investigation/Law Enforcement	English	Photography	English
Culinary Arts	English	Pro-Auto Maintenance (Exploration)	
Exploring Culinary Careers		Power Sports Technology	Math
Foundations of Education		Smart Tech & Tech Mech	English
Game Design		Teacher Education	English
Graphics	English	Transportation Careers	
Greenhouse Production		Turf & Landscape Management	Science
Health Occupations I	English	Video	
Health Occupations II/Clinical Experience	English	Woods Technology	
Introduction to Agriculture		Woodworking & Cabinetmaking	Math

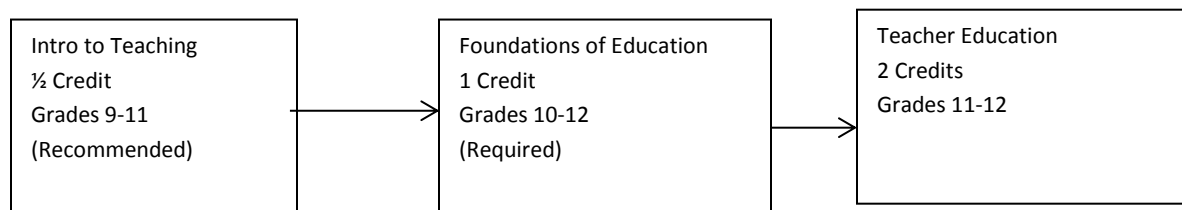
*Course is offered every other year.

LCTC FLOW CHARTS

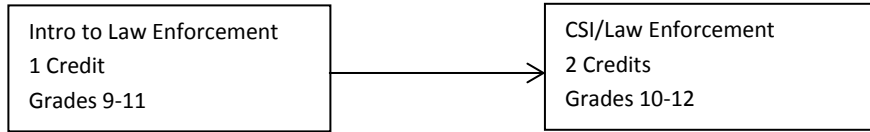
Culinary



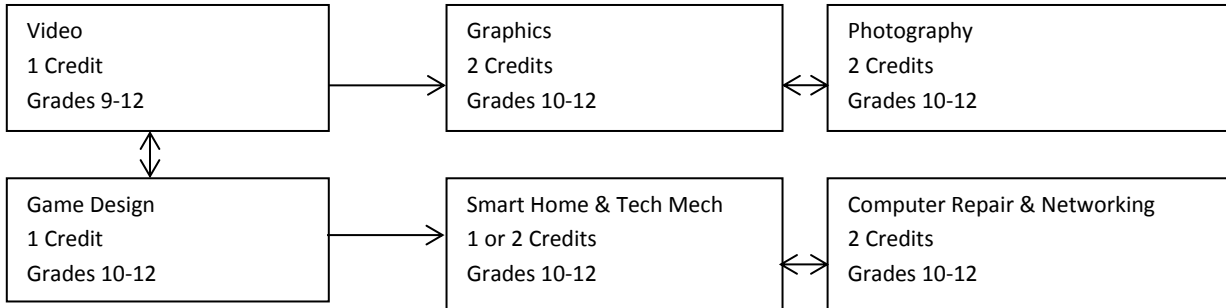
Teacher Education



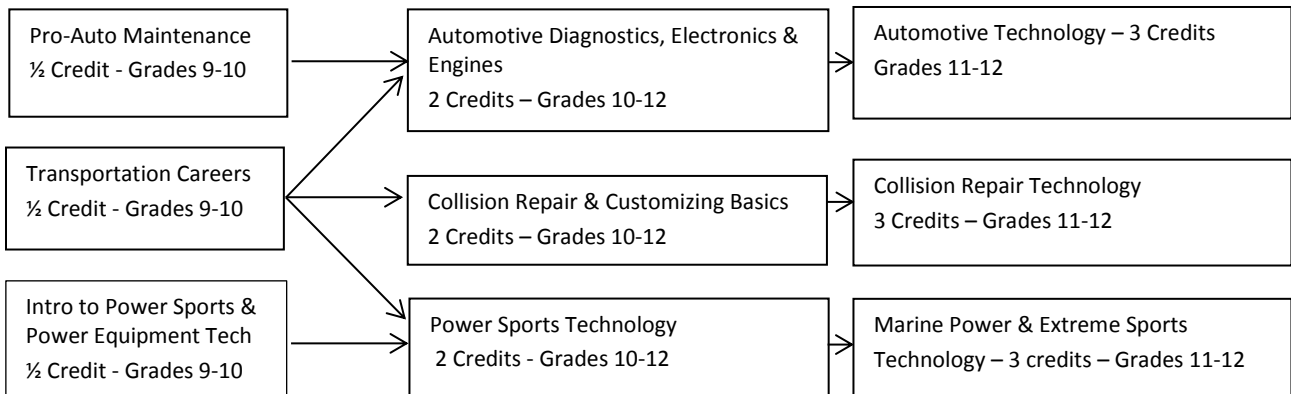
CSI/Law Enforcement



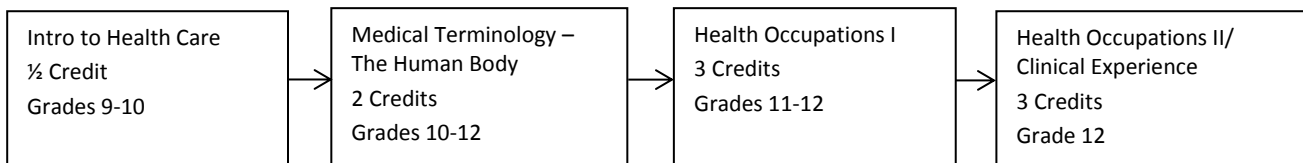
Design/Communication



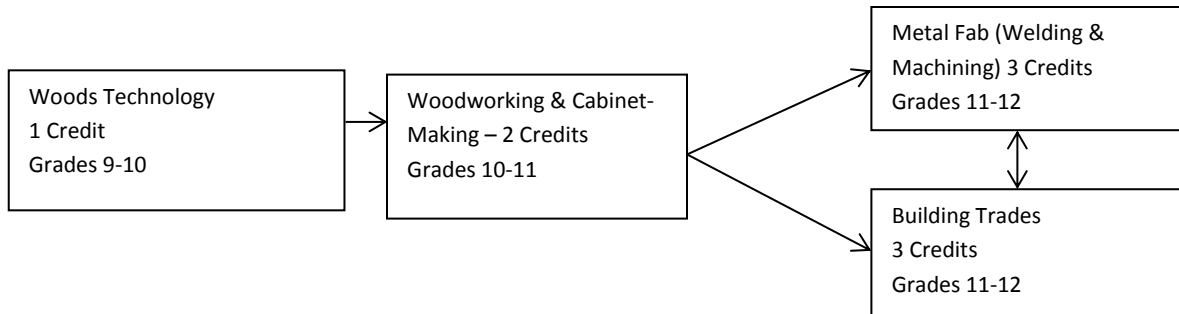
Transportation



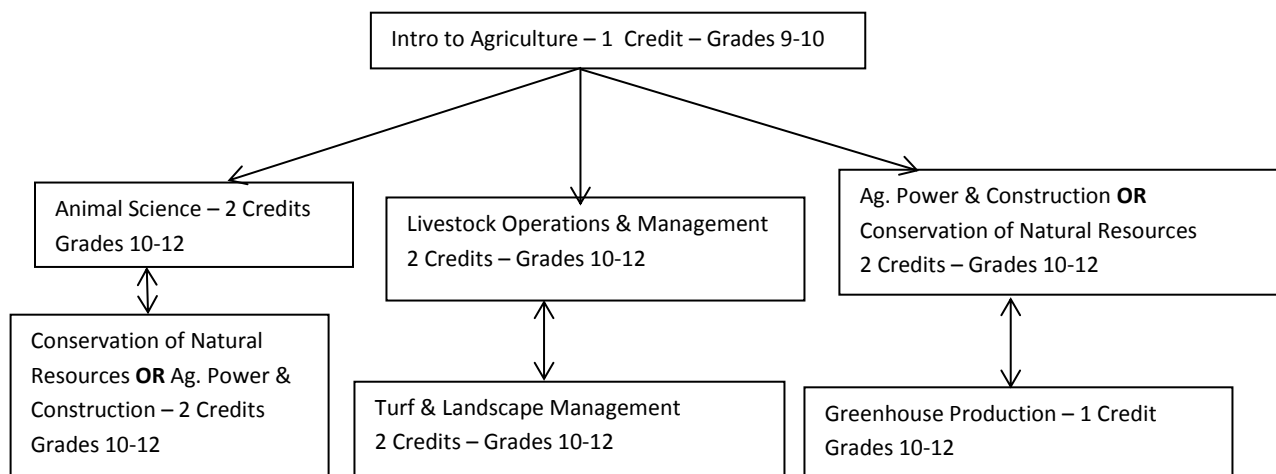
Health Sciences



Construction & Manufacturing



Agriculture/Natural Resources



Classes offered at LCTC

AGRICULTURAL EDUCATION

All agricultural courses consist of classroom lessons as well as hands-on experience. Leadership training skills will be obtained through FFA chapter activities. Students will have the opportunity to become a member of the LCTC FFA chapter.

Introduction to Agriculture (Grades: 9-10 – Credit: 1) - (Class may NOT be repeated)

This entry-level course is designed for basic instruction in agricultural career exploration. The class will include:

- Leadership training through FFA history and traditions
- Animal science, natural resources, and horticulture
- Basic agriculture mechanics, natural resources, and horticulture

Greenhouse Production (Grades: 10-12 – Credit: 1) - (Class may be repeated once)

Recommended Prerequisite: Introduction to Agriculture

This course prepares students to enter the field of plant production. Students will be trained on:

- All aspects of growing floriculture crops, fruits, and vegetables
- Floral design and greenhouse construction
- Greenhouse and garden lab experiences

Animal Science (Grades: 10-12 – Credits: 2) - (Class may NOT be repeated)

Recommended Prerequisite: Introduction to Agriculture

Animal Science will explore animal related careers and units that include:

- Basic animal rights and issues
- Nutrition, health, and disease
- Reproduction
- Equine science

Livestock Operations & Management (Grades: 10-12 – Credits: 2) - (Class may NOT be repeated)

Recommended Prerequisite: Introduction to Agriculture

This course concentrates on the practical application of food animal production. Topics include:

- Production and processing of major species of livestock
- Management practices for successful production
- Food science

Turf & Landscape Management (Grades: 10-12 – Credits: 2) - (Class may be repeated)

Recommended Prerequisite: Introduction to Agriculture

This course is designed for those interested in landscaping. The course covers:

- Planting, pruning, and fertilization
- Pest control of landscape plants
- Landscape design and construction

Ag Power & Construction (Grades: 11-12 - Credits: 2) - (Class may NOT be repeated)

Recommended Prerequisite: Introduction to Agriculture

This course introduces students to:

- Agricultural machinery and small engines
- Welding and woodworking
- Agricultural construction

COMPUTER INTEGRATION

Computer Repair / Networking (Grades: 10-12 – Credits: 1 or 2) - (Class may NOT be repeated)

Students may enroll for either semester or both – depending on their schedule and career path.

Learn to build, repair, fix and network personal computers and laptops!

- Learn how to use Windows operating systems as an administrator
- Troubleshoot common personal computer problems and network problems
- Connect computers together with a wired or wireless network
- Secure the network from unwanted intrusion

Students will take the CompTIA Strata exam as a Technical Skills Assessment, and will be prepared for industry certification if they choose to take the A+ and/or Network+ examinations.

**Dual Credit is available through State Technical College of Missouri*

Game Design (Grades: 10-12 – Credits: 1) - (Class may be repeated once)

Don't just play video games; learn how to make them yourself!

- Program 2-D platform, maze, scrolling, isometric, and first person shooter games
- Create your own original games
- Use sound and music to enhance the gaming experience
- Create and animate sprites
- Build challenging rooms and levels
- Learn about the game industry and the available careers within it

Smart Tech/Tech Mech (Grades: 10-12 – Credits: 1 or 2) - (Class may NOT be repeated)

Students may enroll for either semester or both – depending on their schedule and career path.

Smart Tech (Smart Technology) (1st semester)

Turn your home into a remote controlled and automated machine!

- Build a wired or wireless home computer network
- Design home or mobile audio and video systems
- Find out how your phone works and how to repair it
- Design and install security and surveillance systems
- Design lighting scenes in the home
- Use your network to monitor and adjust your HVAC system
- Connect these systems together and control them remotely with your home network

Tech Mech (Technical Mechatronics) (2nd Semester)

Learn how to design, program, and build a robot. Teach it to perform tasks in the real world!

- Learn basic analog and digital electronics
- Master computer programming structures, like variables, loops, if/then, and data arrays
- Use programs and electronics to control servo motors
- Physically build a robot frame and attach motors
- Download the programs you write to the robot
- Use sensors on the robot for movement and orientation

CONSTRUCTION

Woods Technology (Grades: 9-10 – Credit: 1) - (Class may NOT be repeated)

There will be an approximate cost of \$30+ for supplies on student projects.

Emphasis is placed on planning, layouts, and finishing specific jobs. Students will design and build various projects during this course (furniture, cabinets, clocks, shelving). Students will learn how to operate the following:

- Laser Engraver
- CNC Router
- Table Saw
- Wood Lathe
- Spray Gun
- Multitude of joinery

Woodworking and Cabinetmaking (Grades: 10-11 – Credits: 2) - (Class may be repeated)
There will be an approximate cost of \$30+ for supplies on student projects.

The program is designed to equip all students with the necessary skills to succeed in a variety of woodworking fields. Students will be able to design and construct their own cabinets or furniture. Students will utilize the following machines and tools:

- Laser Engraver
- CNC Router
- Table Saw
- Wood Lathe
- Spray Gun
- Multitude of joinery

Building Trades (Grades: 11-12 – Credits: 3) - (Class may be repeated)

Students will gain the knowledge of all forms of construction including:

- Reading blueprints
- Plumbing, electrical, and HVAC
- Framing and trim finishing
- Site planning and excavation

**Dual Credit is available through State Fair Community College.*

CULINARY

Exploring Culinary Careers (Grades: 9-10 – Credit: .5) - (Class may NOT be repeated)
Class Fee: \$10

Exploring Culinary Careers is an introduction to the culinary industry where students will have an opportunity to gain first-hand experience with restaurant operations as they:

- Practice accurate measuring and cooking techniques
- Gain experience with proper operation of commercial cooking equipment
- Participate in live school district and community events
- Learn about many career options in the hospitality industry
- Complete a project such as cooking demonstration, small business, or career fair

Introduction to Culinary Arts (Grades: 10-12 – Credits: 2) - (Class may be repeated w/ permission)

Class Fee: \$40 (includes uniform to keep)

In this class students explore the fundamentals of culinary arts through the following activities:

- Exposure to a variety of basic cooking techniques
- Opportunity to earn Camden County Foodhandler's Card
- Participation in school district and community events, as well as in-class cooking competitions
- Involvement in student organization activities and meetings

Culinary Arts (Grades: 11 – 12 – Credits: 3) - (Class may be repeated)

Class Fee: \$50 (includes uniform to keep)

Culinary Arts welcomes students to the world of professional cooking, and provides the following opportunities:

- Professional food preparation and knife skills
- Development of personal recipe portfolio
- Participation in school district and community events
- National certifications, competitions, and awards
- American Culinary Federation meetings and conferences

GRAPHICS TECHNOLOGY

Students enrolled in Graphics, Photography, or Video are expected to hold membership and actively participate in SkillsUSA, a professional student organization promoting leadership skills and work ethics. Students may receive a Fine Arts credit through Graphics or Photography. (See your High School Guidance Counselor for more information.)

Graphics (Grades: 10-12 – Credits: 2) - (Class may be repeated)

What a fun career! Students will learn to use Adobe Creative Suite to design and produce:

- Digital media and tablet applications
- T-shirts, car decals, and magnets
- Posters, business cards, banners, and stationery

Shop management and organizing production projects, as well as deadline production, customer service techniques, and management skills are also emphasized.

Photography (Grades: 10-11 and 12 by permission – Credits: 2) - (Class may be repeated)

Using digital equipment and software students will:

- Use iMac Computers with Adobe Creative Suite
- Learn professional level techniques to produce quality images
- Set up professional studios including green screen
- Learn advanced Photoshop techniques

Video (Grades: 9-12 – Credit: 1) - (Class may be repeated)

If you are interested in creating better YouTube videos, want to join CSTN, or plan on going into the video industry, this class will give you the essentials you need. Students will:

- Use iMac Computers with Adobe Creative Suite
- Practice digital video editing
- Learn about video production and incorporate special effects
- Learn about DVD authoring or web publishing
- Set up professional studios including green screen

HEALTH SCIENCES

Intro to Health Care (Grades: 9-10 – Credits: .5) - (Class may NOT be repeated)

Students desiring to pursue a career in health care will:

- Explore careers in healthcare
- Learn to take vital signs and participate in CPR training
- Learn medical abbreviations & symbols
- Gain an introduction to anatomy and physiology

Medical Terminology- The Human Body (Grades: 10-12 – Credits: 2) - (Class may NOT be repeated)

Preferred Prerequisite: Intro to Health Care (if entering as a 10th grade student)

Medical Terminology allows students to develop an understanding of the language of medicine and enhance professional communication in health care environments. Students will:

- Study anatomy, physiology, and abnormalities/disorders of the body systems
- Participate in Anatomy in Clay activities and projects
- Learn to take vital signs and become CPR certified

**Dual Credit is available through State Fair Community College.*

Health Occupations I (Grades 11-12 – Credits: 3) - (Class may NOT be repeated)

Requirements: Proof of Hepatitis B vaccination, TB test, flu shot, criminal background check (social security card must be provided), drug screening (\$30+), uniform (\$25+).

Health Occupations is for students who desire to pursue a career in the health services field. Students will learn and have the opportunity to do the following:

- Basic health care assistant hands-on skills
- Anatomy and physiology of the human body in health and disease
- Job shadowing at the hospital and community clinical sites

HO II/ Clinical Experience (Grade: 12 – Credits: 3) - (Class may NOT be repeated)

Prerequisite: Health Occupations I

Requirements: Proof of Hepatitis B vaccination, TB test, flu shot, criminal background check (social security card must be provided), drug screening (\$30+).

Health Occupations II is designed for students who wish to pursue a career in the health services field. Students will:

- Experience over 90 clinical days at a hospital and long term care facilities
- Gain an excellent background to pursue any career in the Health Care field
- Gain competence in vital signs and patient care skills
- Have the option to earn a Certified Nursing Assistant credential
- Study current health care topics

LAW ENFORCEMENT

Introduction to Law Enforcement (Grades: 9-11 – Credit: 1) – (Class may NOT be repeated)

An introductory course offering students an overview of the criminal justice system. Students will have the opportunity to:

- Explore a variety of careers in different law enforcement agencies
- Learn about career opportunities in police departments, the FBI, labs, private security agencies, and more

Law Enforcement/Crime Scene Investigation (Grades: 10-12 – Credits: 2) - (Class may be repeated)

This program is intended to be a general introduction to the American Criminal Justice System with emphasis on law enforcement. Students will explore U.S. Constitution Law and the Missouri Criminal Code. Topics include:

- Patrol procedures and professional ethics
- Basic First Aid
- Types and use of Law Enforcement equipment
- Accident investigation, Crime scene investigation, and evidence procedure

METAL FABRICATION

Welding & Machine Tool (Grades: 11-12 – Credits: 3) - (Class may be repeated)

Metal Fabrication is a course designed to prepare individuals to enter the work force as a beginning machinist and/or welder. Areas of training include:

Machining

- Safety, precision measurement, and blueprint reading
- Use of lathes, mills, surface grinders, and various hand tools

Welding

- Safety, measurement, and blueprint reading
- Training in oxy-fuel cutting, plasma arc cutting, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding
- Automated plasma arc cutting
- Use of various hand tools

PRE-TEACHER EDUCATION

Introduction to Teaching (Grades: 9-11 – Credit: .5) - (Class may NOT be repeated)

Are you interested in becoming a teacher? This introductory course is an overview of the teaching profession. Students will learn and have the opportunity to do the following:

- Explore teacher employment trends and college teacher education programs
- Identify and work with various teaching and learning styles, strategies, classroom management techniques, and technology resources
- Job shadow a teacher

Foundations of Education (Grades: 10-12 – Credit: 1) - (Class may NOT be repeated)

Recommended Prerequisite: Introduction to Teaching

Foundations of Education is designed to:

- Examine the historical, philosophical, sociological, political, economic, and legal foundations of the American public education system
- Explore the nature of school environments, design, and organization of school curricula
- Study characteristics of effective schools, educational structures, practices, and projections for the future.

Teacher Education (Grades: 11-12 – Credits: 2) - (Class may be repeated)

Prerequisite: Foundation of Education (or concurrently enrolled)

Teacher Education is an orientation to the teaching profession. The program is intended to help clarify decisions about education as a career choice. During class students are:

- Provided with opportunities to observe teaching and learning in Preschool through 12th grade classrooms.
- Introduced to the requirements for teacher preparation and certification.
- Able to use skills learned in class to develop and deliver lessons and examine characteristics of effective teaching.

Student behavior and conduct may be reviewed prior to assignment of classroom observation sites.

TRANSPORTATION

AUTOMOTIVE

Pro-Auto Maintenance (Grades: 9-10 – Credit: .5) - (Class may NOT be repeated)

This course is an introductory automotive course which includes:

- Automotive shop safety and procedures
- An overview of automotive service areas:
 - Mechanical engine cooling systems
 - Electrical
 - Brakes
 - Steering and suspension

Automotive Diagnostics, Electronics, and Engines (Grades: 10-12 – Credits: 2) - (Class may NOT be repeated)

This is a technical interactive electronics and engines course for the automotive industry.

Interactive portions include:

- A meter certification course, electrical circuits, electronics, and engines.
- This program offers Automotive Service Excellence (ASE) student certification.

Automotive Technology (Grades: 11-12 – Credits: 3) - (Class may be repeated)

This program covers various aspects of engine analysis, including engine performance, diagnostics, and engine electronics. Topics covered include:

- Fuel systems and electronic fuel injection
- Cooling systems
- Front-end alignment and suspension
- Charging and starting systems
- Repair orders, and cost estimates

This program offers Automotive Service Excellence (ASE) student certification in brakes, electrical/electronic systems, engine performance, suspension, and steering.

COLLISION REPAIR

Transportation Careers (Grades: 9-12 – Credit: .5) (Class may NOT be repeated)

In this introductory course, students will:

- Learn basics of automobile construction and vehicle maintenance
- Explore careers available in the transportation field
- Perform hands-on minor cosmetic repairs

Collision Repair & Customizing Basics (Grades: 10-12 – Credits: 2) - (Class may be repeated)

Collision Repair & Customizing Basics is a class for students to learn the basics of the collision repair industry. Students will:

- Develop an understanding of automobile construction
- Learn about car customization, restoration, and automotive painting
- Gain experience in welding and repair techniques
- Receive Intro to Collision I-CAR Certification

Collision Repair Technology (Grades: 11-12 – Credits: 3) - (Class may be repeated)

Collision Repair Technology is an advanced program for students wanting to enter the collision repair field. This class will teach the fundamentals of cosmetic auto body repair, unibody, and full frame repair. This course exposes students to:

- Advanced welding skills, including MIG, as well as Plasma Arc cutting
- Refinishing techniques for panel repairs, overall refinishing, and custom painting
- Cosmetic marine fiberglass repairs and gel-coat repair procedures
- Measurement, estimating, vehicle construction, and the repair process
- I-CAR certification preparation

MARINE & POWER SPORTS

**Intro to Power Sports & Power Equipment Technology (Grades: 9-10 – Credits: .5)
(Class may NOT be repeated)**

This is an introductory course for students interested in Power Sports and Power Equipment repair careers. Students will learn:

- Safety skills
- Basic tool identification and use
- Basic power sport and small equipment repair
- Troubleshooting techniques

Power Sports Technology (Grades: 10-12 – Credits: 2) - (Class may be repeated)

Power Sports Technology emphasizes personal watercraft (PWC) all-terrain vehicles (ATV), and motorcycle repair procedures. Students will learn:

- Motorcycle and ATV repair
- Troubleshooting techniques
- Personal Water Craft (PWC) repair

Marine Power & Extreme Sports Technology (Grades: 11-12 – Credits: 3) - (Class may be repeated)

This program will emphasize various marine systems. Students will learn:

- Marine systems repair
- Troubleshooting techniques
- Propulsion and drive repair
- Motorcycle and ATV repair procedures

Overview of Camdennton High School Majors

Majors	Communications, Arts, and Business	Science, Technology, Engineering, and Math	Health and Human Services
	CAB	STEM	HHS
Programs of Study	Information Technology	Manufacturing	Hospitality and Tourism
	Business Management	Transportation, Distribution, and Logistics	Human Services
	Marketing	Science, Technology, Engineering, and Math	Law, Public Safety, Corrections, and Security
	Finance	Architecture and Construction	Health Sciences
	Arts, A/V Technology, and Communications	Agriculture, Food, and Natural Resources	Government and Public Administration
			Education and Training



**Communications,
Arts,
and
Business**





Camdenton High School
Information Technology
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY							
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Secondary	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities	
	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Computer Graphics Computer Applications Web Design Principles of Engineering Intro to Engineering Design		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____	
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course	Chemistry in the Environment	American History	PE Fine Art Computer Graphics Computer Applications Web Design Visual Literacy & Design Drawing I & II Principles of Engineering Intro to Engineering Design Art II	Computer Repair & Networking Game Design Smart Tech/Tech Mech	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: X Technical Skills Attainment (TSA) X Other: A+ or Network+	
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	PE Visual Arts Personal Finance Computer Graphics Computer Applications Web Design Visual Literacy & Design Drawing I & II Principles of Engineering Intro to Engineering Design Java I & II	Art Art II Fine Art	Computer Repair & Networking Game Design Smart Tech/Tech Mech	Placement Assessments: X Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
	12	Grammar Communication/Lit & Other Reading 21 st Century Communication/Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Web Design Java I & II Drawing I & II Principles of Engineering Computer Applications Visual Literacy & Design Computer Graphics Intro to Engineering Design Principles of Engineering Principles of Management General Sociology	Visual Arts Intro to CIS Art Art II Fine Art	Computer Repair & Networking Game Design Smart Tech/Tech Mech	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA X SkillsUSA X Other: _____ _TSA_____

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Linn State Technical College www.linnstate.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Davis Hart Career Center www.mexicoschools.net</p> <p>Herndon Career Center www.herndoncareercenter.com</p> <p>Kirksville Area Tech Center www.kirksville.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>A.T. Skill University of Health Sciences www.atsu.edu</p> <p>Avila University - www.avila.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cofo.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>DeVry University – www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Hickey College - www.hickeycollege.edu</p> <p>Lincoln University - www.lincoln.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p> <p>Missouri Valley College www.moval.edu</p>	<p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst University - www.rockhurst.edu</p> <p>Saint Louis University www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State University www.semo.edu</p> <p>Southwest Baptist University www.sbuniv.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>University of MO – Columbia www.missouri.edu</p> <p>University of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – Rolla – www.umar.edu</p> <p>Univ of MO – St Louis - www.umsl.edu</p> <p>Univ of Phoenix – www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Colorado Technical University www.coloradotech.com</p> <p>Grantham University www.grantham.edu</p> <p>ITT Technical Institute www.itt-tech.edu</p> <p>Kansas City Art Institute www.kcai.edu</p> <p>Midwest Institute www.midwestinstitute.com</p> <p>Missouri Tech www.motech.edu</p> <p>National American University www.national.edu</p> <p>Pinnacle Career Institute www.pctraining.edu</p> <p>Texas County Technical Institute www.texascountytech.edu</p>

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
	<p>Computer Operators</p> <p>Computer Support Specialists</p> <p>Network Systems and Data Communications Analysts</p> <p>Numerical Tool and Process Control Programmers</p> <p>Web Administrators</p> <p>Web Developers</p>	<p>Computer and Information Systems Managers</p> <p>Computer Engineers</p> <p>Computer Programmers</p> <p>Computer Security Specialists</p> <p>Computer Software Engineers</p> <p>Computer Systems Administrators</p> <p>Computer Systems Analysts</p> <p>Data Communications analysts</p> <p>Database Administrators</p> <p>Graphic Designers</p> <p>Multi-Media Artists and Animators</p> <p>Network and Computer Systems Administrators</p> <p>Software Quality Assurance Engineers and Testers</p>	<p>Computer and Information Scientists, Research</p> <p>Computer Science Teachers, Postsecondary</p> <p>Engineering Managers</p>



Camdenton High School
Business Management & Administration
Career Cluster Program of Study Template

camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
Secondary	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Accounting I Computer Applications Web Design		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Accounting I Automated Accounting Computer Applications Web Design Automated Accounting Business Law Business Operations Sport & Entertainment Marketing Fine Art		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: X Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance Computer Applications Accounting I Automated Accounting Business Law Business Operations Sport & Entertainment Marketing Advanced Personal Finance International Relations Law & You Psychology (College, IB, & AP)	PE Fine Art	Placement Assessments: <input type="checkbox"/> Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
	12	Grammar Communication/Lit & Other Reading 21 st Century Communication/Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Computer Applications Automated Accounting Business Operations General Sociology Entrepreneurship Sport & Entertainment Marketing Advanced Personal Finance International Relations Cooperative Education Principles of Management Psychology (College, IB & AP) Principles of Management College Personal Finance	Accounting I Law & You Intro to CIS Business Law Fine Art	Student Organizations: <input type="checkbox"/> DECA X FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfcmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Clinton Tech School www.clinton.k12.mo.us</p> <p>Eldon Career Center - www.eldoncareercenter.org</p> <p>Franklin Technology- MSSU www.ftcjoplin.com</p> <p>Grand River Technical School www.grts.org</p> <p>Hillyard Technical Center www.hillyardtech.com</p> <p>Kirksville Area Tech Center www.kirksville.k12.mo.us</p> <p>Lex La-Ray Tech Center www.lexington.k12.mo.us</p> <p>Moberly Area Tech Center www.moberly.k12.mo.us</p> <p>Northwest Tech School - www.maryville.k12.mo.us</p> <p>Pike-Lincoln Tech Center www.pltc.k12.mo.us</p> <p>Ranken Tech College - www.ranken.edu</p> <p>Saline County Career Center www.marshallschools.com/sccc</p> <p>Sikeston Career and Technology Center www.sikeston.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cofo.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>DeVry University – www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College - www.everest-college.com</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College - www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Hickey College - www.hickeycollege.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>MO Southern State Univ - www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p>	<p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Patricia Stevens College www.patriciastevenscollege.edu</p> <p>Rockhurst University - www.rockhurst.edu</p> <p>Saint Louis University www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State Univ - www.semo.edu</p> <p>Southwest Baptist Univ - www.sbuniv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO – Columbia - www.missouri.edu</p> <p>Univ of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – Rolla – www.UMR.edu</p> <p>Univ of MO – St Louis - www.umsl.edu</p> <p>Univ of Phoenix – www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Colorado Technical University www.coloradotech.com</p> <p>Daruby School www.darubyschool.com</p> <p>Grantham University www.grantham.edu</p> <p>ITT Technical Institute www.itt-tech.edu</p> <p>Metro Business College www.metrobusinesscollege.edu</p> <p>MVC Computer & Business School www.mvcschool.com</p> <p>National American University www.national.edu</p> <p>TechSkills www.techskills.com</p> <p>Texas County Technical Institute www.texascountytech.edu</p>

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Billing Clerks</p> <p>Bookkeeping and Accounting Clerks</p> <p>Computer Operators</p> <p>Copy Machine Operators</p> <p>Couriers and Messengers</p> <p>Data Entry</p> <p>File Clerks</p> <p>General Office Clerks</p> <p>Human Resources Assistants</p> <p>Interviewing Clerks</p> <p>Mail Clerks</p> <p>Order Clerks and Stock Clerks</p> <p>Payroll and Timekeeping clerks</p> <p>Receptionists</p> <p>Secretaries</p> <p>Shipping and Receiving Clerks</p> <p>Typists</p>	<p>Court Reporters</p> <p>First-Line Supervisors/Managers</p> <p>General and Operations Managers</p> <p>Production and Operating Workers</p>	<p>Administrative Services Managers</p> <p>Advertising Managers</p> <p>Business Executives</p> <p>Computer and Information Systems Managers</p> <p>Employee Training Specialists</p> <p>Employment Interviewers and Recruiters</p> <p>Human Resources Managers</p> <p>Job Benefits and Analysis Specialists</p> <p>Management Analysts</p> <p>Market Research Analysts</p> <p>Meeting and Convention Planners</p> <p>Property and Real Estate Managers</p> <p>Public Relations Managers, Specialists</p> <p>Purchasing Manager and Sales Managers</p> <p>Regulatory Affairs Specialists</p> <p>Social and Community Services Managers</p> <p>Storage and Distribution Managers</p>	<p>Business Teacher, Postsecondary</p> <p>Chief Executives</p> <p>Controller, Treasurers</p> <p>Economists</p> <p>Medical and Health Services Managers</p> <p>Operations Research Analysts</p> <p>Statisticians</p>



**Camdenton High School
Marketing**
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Secondary	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities	
	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Art Accounting I Computer Applications Web Design Fine Art		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:	
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Accounting I Computer Applications Web Design Automated Accounting Business Law Business Operations Sport & Entertainment Marketing Fine Art	Art Art II	Graphics Photography	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance Art Computer Applications Accounting I Automated Accounting Business Law Business Operations Sport & Entertainment Marketing Advanced Personal Finance International Relations Law & You Psychology (College, IB & AP) Fine Art	PE Art II	Graphics Photography	Assessments/Certifications: <input checked="" type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other:
	12	Grammar Communication/ Lit and Other Reading 21 st Century Communication/Lit and Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Computer Applications Accounting I Entrepreneurship Business Operations Automated Accounting General Sociology Sport & Entertainment Marketing Advanced Personal Finance International Relations Psychology (College, IB & AP) Cooperative Education Principles of Management College Personal Finance	Art Law & You Business Law Intro to CIS Art II Fine Art	Graphics Photography	Placement Assessments: <input checked="" type="checkbox"/> Compass Test <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:
Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org									

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	East Central College www.eastcentral.edu Crowder College www.crowder.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu	Eldon Career Center - www.eldoncareercenter.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us Northwest Tech School www.maryville.k12.mo.us Rankin Tech College - www.ranken.edu	Avila University - www.avila.edu Baptist Bible College - www.baptist.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.cofo.edu Columbia College - www.ccis.edu Culver-Stockton College www.culver.edu DeVry University – www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu Missouri Valley College www.moval.edu	Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Patricia Stevens College www.patriciastevenscollege.edu Rockhurst University - www.rockhurst.edu Saint Louis University www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State Univ - www.semo.edu Southwest Baptist Univ - www.sbuniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO – Columbia - www.missouri.edu Univ of MO – Kansas City www.umkc.edu Univ of MO – Rolla – www.umar.edu Univ of MO – St Louis - www.umsl.edu Univ of Phoenix – www.phoenix.edu Vatterott College www.vatterott-college.edu Washington University - www.wustl.edu Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training Colorado Technical University www.coloradotech.com Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu National American University www.national.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Advertising Salespeople Buyers and Purchasing Agents Cashiers Counter and Rental Clerks Demonstrators and Promoters Floral Designers Merchandise Displayers Models Opticians Parts Salespeople Retail Salespeople Route Salespeople Telemarketers	Advertising Sales Agents Assessors Fashion Designers Interior Designers Lodging Managers Property, Real Estate, and Community Association Managers Real Estate Brokers Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products Travel Agents Travel Guides Wholesale and Retail Buyers, Except Farm Products	Art Directors Editors Market Research Analysts Public Relations Specialists Sales Managers Sales Representatives Survey Researchers Technical Writers	Business Teacher, Postsecondary Marketing Managers Public Relations Managers Purchasing Managers Sales Managers



Camdenton High School
Finance
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
Secondary	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Accounting I Computer Applications Web Design		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Accounting I Computer Applications Web Design Automated Accounting Business Law Business Operations Sport & Entertainment Marketing Fine Art		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance Accounting I Computer Applications Automated Accounting Business Law Business Operations Sport & Entertainment Marketing Advanced Personal Finance International Relations Law & You Psychology (College, IB & AP) PE	Fine Art	Assessments/Certifications: <input checked="" type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other:
	12	Grammar Communication/Lit & Other Reading 21 st Century Communication/Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Business Law Entrepreneurship Business Operations Computer Applications Sport & Entertainment Marketing Advanced Personal Finance International Relations Psychology (College, IB & AP) Automated Accounting Cooperative Education College Personal Finance Principles of Management General Sociology Fine Art	Accounting I Law & You Intro to CIS	Placement Assessments: <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:
Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St Louis Community College www.stlcc.edu St. Charles Community College www.stchas.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu		Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu Columbia College - www.ccis.edu College of the Ozarks - www.cofc.edu Culver-Stockton College www.culver.edu DeVry University – www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlq.edu Hickey College - www.hickeycollege.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Missouri College www.missouricollege.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu	Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – Rolla – www.UMR.edu Univ of MO – St Louis - www.umsl.edu Washington University - www.wustl.edu Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu Vatterott College www.vatterott-college.edu	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training Colorado Technical University www.coloradotech.com National American University www.national.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training	Technical or Associate Degree	Bachelors Degree	Masters Degree or More
Bank Tellers Bill and Account Collectors Brokerage Clerks Credit Checkers and Authorizers Insurance Adjusters and Examiners Insurance Claims Clerk Insurance Policy and Claims Clerks Loan Clerks Tax Preparers Title Examiners and Searchers	Claims Examiners, Property and Casualty Insurance Insurance Appraisers, Auto Damage Insurance Sales Agents Insurance Underwriters	Accountants and Auditors Appraisers and Assessors Budget Analysts Credit Analysts Financial Analysts Financial Examiners Financial Managers Insurance Agents Insurance Underwriters Loan Officers Securities Salespeople	Actuaries Business Teacher, Postsecondary Economists Treasurers and Controllers



Camdenton High School
Arts, A/V Technology & Communications
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements **SUGGESTED COURSE OF HIGH SCHOOL STUDY**
 It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

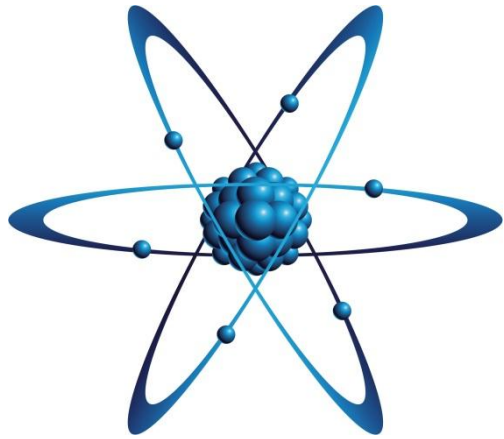
	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
Secondary	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Mass Media Speech Music Theory Creative Writing Web Design Competitive Performance Events Fine Art	Art Band Debate Choir	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Mass Media Drawing I & II Web Design Painting I Music Theory Creative Writing Visual Literacy & Design Competitive Performance Events Fine Art	Art Band Choir Debate Speech Ceramics I & II Art II	Computer Repair & Networking Game Design Graphics Photography Smart Tech/Tech Mech Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Art Visual Arts Web Design Debate Music Theory Creative Writing Drawing I & II Visual Literacy & Design Painting I & II Ceramics I & II Competitive Performance Events Fine Art	PE Portfolio Art Mass Media Band Speech Poetry Choir Art II	Computer Repair & Networking Game Design Graphics Photography Smart Tech/Tech Mech Assessments/Certifications: X Technical Skills Attainment (TSA) <input type="checkbox"/> Other:
	12	Grammar Comm/Lit & Other Reading 21 st Century Comm/Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Art Drawing I & II Web Design General Sociology Painting I & II Poetry Visual Arts Music Theory Art Appreciation Visual Literacy & Design Competitive Performance Events Fine Art	Mass Media Debate Band Choir Speech Portfolio Art Ceramics I & II Creative Writing Art II	Computer Repair & Networking Game Design Graphics Photography Smart Tech/Tech Mech Placement Assessments: X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:
								Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA X SkillsUSA <input type="checkbox"/> Other:

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org

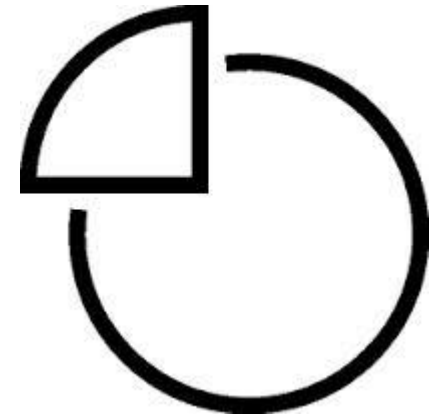
	Community College	Technical School/Training Institution	In State		Out of State/Other
Postsecondary	Crowder College www.crowder.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm	Avila University - www.avila.edu	Missouri State University – West Plains www.wp.missouristate.edu	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>American College of Technology www.acot.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Barbizon School of Clayton www.barbizonmodeling.com</p> <p>Broadcast Center www.broadcastcenterinfo.com</p> <p>Calvary Bible College and Theological Seminary - www.calvary.edu</p> <p>Central Bible College - www.cbccag.edu</p> <p>Colorado Technical University www.coloradotech.com</p> <p>Court Report Academy www.thecourtreportingacademy.com</p> <p>ITT Technical Institute www.itt-tech.edu</p> <p>Kansas City Art Inst - www.kcai.edu</p> <p>Midwestern Baptists Theological Seminary - www.mbts.edu</p> <p>Missouri Tech – www.motech.edu</p> <p>National American University www.national.edu</p>
	East Central College www.eastcentral.edu	Clinton Technical School www.clinton.k12.mo.us/ts.php	Bryan College - www.bryancollege.com	Missouri Valley College – www.moval.edu	
	Jefferson College www.jeffco.edu	Davis Hart Mexico Technical School www.mexicoschools.org	Central Methodist University www.centralmethodist.edu	Missouri Western State University www.missouriwestern.edu	
	Linn State Technical College www.linnstate.edu	Eldon Career Center www.eldoncareercenter.org	College of the Ozarks - www.cofo.edu	Northwest Missouri State University www.nwmissouri.edu	
	Metropolitan Comm College www.mcckc.edu	Four Rivers Technical Center www.washington.k12.mo.us	Columbia College - www.ccis.edu	Ozark Christian College – www.occ.edu	
	Mineral Area College www.mineralarea.edu	Gibson Tech Ctr - www.wolves.k12.mo.us/gtc	Culver-Stockton College – www.culver.edu	Park University - www.park.edu	
	Moberly Area Comm College www.macc.edu	Hannibal Career and Technical Center www.hannibal.tec.mo.us	DeVry University – www.devry.edu	Patricia Stevens College www.patriciastevenscollege.edu	
	Ozarks Tech Comm College www.otc.edu	Herndon Career Center www.herndoncareercenter.com	Drury University - www.drury.edu	Rockhurst University - www.rockhurst.edu	
	St. Charles Comm College www.stchas.edu	Hillyard Tech Center - www.hillyardtech.com	Evangel University - www.evangel.edu	Saint Louis Univ - www.imagine.stu.edu	
	St Louis Community College www.stlcc.edu	Kirkville Area Technical Center www.kirkville.k12.mo.us	Everest College www.everest-college.com	Sanford-Brown College www.sanford-browncollege.com	
	State Fair Community College www.sfccmo.edu	Lake Career and Technical Center www.camdentonschools.org	Fontbonne Univ - www.fontbonne.edu	Southeast MO State Univ - www.semo.edu	
	Three Rivers Comm College www.trcc.edu	Lex La-Ray Tech Ctr - www.lexington.k12.mo.us	Hannibal-Lagrange College - www.hlq.edu	Southwest Baptist Univ - www.sbuniv.edu	
		Moberly Area Tech Ctr - www.moberly.k12.mo.us	Harris-Stowe State Univ - www.hssu.edu	Stephens College - www.stephens.edu	
		Nichols Career Center - www.jcps.k12.mo.us	Hickey College www.hickeycollege.edu	Truman State Univ - www.truman.edu	
		Perryville Area Career/Technical Center www.mineralarea.edu	Maryville Univ of St. Louis www.maryville.edu	Univ of Central MO - www.ucmo.edu	
		Ranken Technical College - www.ranken.edu	Messenger College www.messengercollege.edu	Univ of MO – Columbia - www.missouri.edu	
		Rolla Technical Institute - www.rolla.k12.mo.us	Missouri Baptist Univ - www.mobap.edu	Univ of MO – Kansas City - www.umkc.edu	
	Waynesville Technical Academy www.waynesville.k12.mo.us	Missouri College www.missouricollege.com	Univ of MO – Rolla – www.umn.edu		
		MO Southern State Univ - www.mssu.edu	Univ of MO – St Louis - www.umsl.edu		
		Missouri State University www.missouristate.edu	Vatterott Coll - www.vatterott-college.edu		
			Washington University - www.wustl.edu		
			Webster University - www.websteruniv.edu		
			William Jewell College - www.jewell.edu		
			William Woods University www.williamwoods.edu		

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Actors	Audio and Video Equipment Technicians	Agents and Business Managers	Art, Drama, and Music Teachers, Postsecondary
Bookbinders and Bindery Workers	Broadcast Technicians and Sound Engineering Techs	Animators and Multi-media Artists	Communications Teachers, Postsecondary
Camera/Photographic Equipment Repairers	Camera Operators, Film and Video Editors	Art Directors and Talent Directors	English Language and Literature Teachers, Postsecondary
Communications Equipment Mechanics	Choreographers	Broadcast News Analysts and News Reporters	Historians
Costume and Wardrobe Specialists	Communications Equipment Mechanics	Copy Writers, Technical Writers and Editors	Librarians
Dancers	Computer, Automated Teller, & Office Machine Repairers	Directors- Stage, Motion Pictures, Television, and Radio	
Fine Artists	Desktop Publishers and Page Layout Workers	Film and Video Editors	
Floral Designers	Directors- Stage, Motion Pictures, Television, and Radio	Graphic Designers	
Movie Projectionists	Electronic Home Entertainment Equipment	Industrial Designers	
Musical Instrument Repairers and Tuners	Installers/Repairers	Interpreters and Translators	
Musicians and Singers	Fashion Designers and Interior Designers	Multi-Media Artists and Animators	
Painting, Coating, and Decorating Workers	Fine Artists, Including Painters, Sculptors, and Illustrators	Museum Technicians and Conservators	
Photographers	Multi-Media Artists and Animators	Music Composers, Directors, and Arrangers	
Potters	Music Directors	Poets, Lyricists and Creative Writers	
Printing Press Operators	Poets, Lyricists and Creative Writers	Proofreaders and Copy Markers	
Proofreaders	Producers	Reporters and Correspondents	
Ushers and Ticket Takers	Radio Mechanics and Operators	Set and Exhibit Designers	
	Telecommunications Equipment Installers and Repairers	Vocational Education Teachers, Postsecondary	



**Science,
Technology,
Engineering,
and
Mathematics**





Camdenton High School
Manufacturing
Career Cluster Program of Study Template
 camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
Secondary	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Mechanical Drafting Home Maintenance Accounting I Web Design Intro to Marketing Computer Applications Intro to Engineering Design Principles of Engineering	Woods Technology	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Mechanical Drafting Home Maintenance Accounting I Web Design Intro to Marketing Computer Applications Automated Accounting Business Law Business Operations Intro to Engineering Design Principles of Engineering	Fine Art Agriculture Power & Construction Woods Technology Woodworking & Cabinetmaking	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance Mechanical Drafting Home Maintenance Computer Applications Accounting I Automated Accounting Business Law Business Operations International Relations Computer Integrated Manufacturing Intro to Engineering Design Principles of Engineering	PE Fine Art Agriculture Power & Construction Welding and Machining Woodworking & Cabinetmaking Welding & Machine Tool	Assessments/Certifications: X Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	Grammar Communication/ Lit & Other Reading 21 st Century Communication/Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Mechanical Drafting Home Maintenance Computer Applications Accounting I Automated Accounting Business Law Business Operations International Relations Computer Integrated Manufacturing Intro to Engineering Design Principles of Engineering Fine Art	Agriculture Power & Construction Welding and Machining Woodworking & Cabinetmaking Welding & Machine Tool	Placement Assessments: X Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
								Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA X SkillsUSA <input type="checkbox"/> Other: _____

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Linn State Technical College www.linnstate.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Carrollton Area Career Center www.trojans.k12.mo.us</p> <p>Eldon Career Center www.eldoncareercenter.org</p> <p>Grand River Technical School www.grts.org</p> <p>Herndon Career Center www.herndoncareercenter.com</p> <p>Hillyard Technical Center www.hillyardtech.com</p> <p>Lamar Area VoTech www.lamar.k12.mo.us</p> <p>Lex La-Ray Tech Center www.lexington.k12.mo.us</p> <p>Kirksville Area Tech Center www.kirksville.k12.mo.us</p> <p>North Central Career Center www.shr2.k12.mo.us</p> <p>Northland Career Center www.northlandcareercenter.com</p> <p>Northwest Tech School www.maryville.k12.mo.us</p> <p>Perryville Area Career/Tech Center www.perryville.k12.mo.us</p> <p>Ranken Tech College - www.ranken.edu</p> <p>South Central Career Center www.wphs.k12.mo.us</p> <p>Southwest Area Career Center www.swacc.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cofo.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College - www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Hickey College www.hickeycollege.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College - www.missouricollege.com</p> <p>MO Southern State Univ - www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p>	<p>MO University of Science & Technology www.mst.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst University - www.rockhurst.edu</p> <p>Saint Louis University www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State Univ - www.semo.edu</p> <p>Southwest Baptist Univ - www.sbuniv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO – Columbia - www.missouri.edu</p> <p>Univ of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – St Louis - www.umsl.edu</p> <p>University of Phoenix - www.phoenix.edu</p> <p>Vatterott College - www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Colorado Technical University www.coloradotech.com</p> <p>DeVry University www.drury.edu</p> <p>Foley-Belsaw Institute www.foley-belsaw.com</p> <p>Grantham University www.grantham.edu</p> <p>ITT Technical Institute www.itt-tech.edu</p> <p>National American University www.national.edu</p> <p>Texas County Technical Institute www.texascountytech.edu</p>

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Crane and Tower Operators</p> <p>Hoist and Winch Operators</p> <p>Locksmiths</p> <p>Machinists</p> <p>Metal and Plastic Processing Workers</p> <p>Operating Engineers and Construction Equipment Operators</p> <p>Painting and Coating Machine Operators</p> <p>Power Plant Operators</p> <p>Precision Assemblers</p> <p>Quality Control Inspectors</p> <p>Small Engine Mechanics</p> <p>Tailors</p> <p>Tire Building Machine Operators</p> <p>Tool and Die Makers</p> <p>Tool Grinders</p> <p>Upholsterers</p> <p>Vehicle Painters</p> <p>Woodworking Machine Operators</p>	<p>Automotive Electronics Installers</p> <p>Computer, ATM, and Office Machine Repairers</p> <p>Electric Motor Repairers</p> <p>Home Electronics Repairers</p> <p>Industrial Electronics Repairers</p> <p>Jewelers</p> <p>Manufacturing Production Technicians</p> <p>Security and Fire Alarm Systems Installers</p> <p>Semiconductor Processing Operators</p> <p>Welders and Solderers</p> <p>Welding and Soldering Machine Operators</p>	<p>Chemical Engineers</p> <p>Occupational Health and Safety Specialists</p> <p>Safety Engineers</p>	



Camdenton High School
Transportation, Distribution & Logistics
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
Secondary	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Web Page Design Mechanical Drafting Computer Graphics Computer Applications	Pro Auto Maintenance Transportation Careers Intro to Power Sports & Power Equipment Tech	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input checked="" type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ Placement Assessments: <input checked="" type="checkbox"/> Compass Test <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input checked="" type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Web Page Design Mechanical Drafting Computer Graphics Computer Applications Fine Art	Pro Auto Maintenance Transportation Careers Collision Repair & Customizing Basics Power Sports Technology Automotive Diagnostics Intro to Power Sports & Power Equipment Tech Electronics and Engines	
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance PE Web Page Design Mechanical Drafting Computer Graphics Computer Applications Computer Integrated Manufacturing Fine Art	Automotive Diagnostics Automotive Technology Collision Repair & Customizing Basics Collision Repair Technology Marine Power & Extreme Sports Power Sports Technology Electronics and Engines	
12	Grammar Communication/Lit & Other Reading 21 st Century Communication/Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Web Page Design Mechanical Drafting Computer Graphics Computer Applications Computer Integrated Manufacturing Principles of Management Fine Art	Automotive Diagnostics Automotive Technology Collision Repair & Customizing Basics Collision Repair Technology Marine Power & Extreme Sports Power Sports Technology Electronics and Engines		
Postsecondary Offerings – For A Complete List of Colleges, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School/Training Institutions	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Linn State Technical College www.linnstate.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>Ranken Technical College www.ranken.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Clinton Tech School - www.clinton.k12.mo.us</p> <p>Davis Hart Career Ctr- www.mexicoschools.net</p> <p>Eldon Career Ctr - www.eldoncareercenter.org</p> <p>Four Rivers Career Center www.washington.k12.mo.us</p> <p>Franklin Technology- MSSU www.ftcjoplin.com</p> <p>Gibson Tech Ctr - www.wolves.k12.mo.us/gtc</p> <p>Grand River Technical School - www.grts.org</p> <p>Hannibal Career and Technical Center www.hannibal.tec.mo.us</p> <p>Herndon Career Center www.herndoncareercenter.com</p> <p>Hillyard Technical Ctr - www.hillyardtech.com</p> <p>Kirkville Area Tech Ctr - www.kirkville.k12.mo.us</p> <p>Lake Career and Technical Center www.camdentonschools.org</p> <p>Lebanon Technology and Career Ctr www.lebanon.k12.mo.us/lccc</p> <p>Lex La-Ray Tech Ctr www.lexington.k12.mo.us</p> <p>Nichols Career Center - www.jcps.k12.mo.us</p> <p>Northland Career Center www.northlandcareercenter.com</p> <p>Northwest Tech School www.maryville.k12.mo.us</p> <p>Pike-Lincoln Tech Ctr - www.pltc.k12.mo.us</p> <p>Rolla Tech Institute - www.rolla.k12.mo.us</p> <p>Saline County Career Center www.marshallschools.com/sccc</p> <p>Sikeston Career & Technology Center www.sikeston.k12.mo.us</p> <p>South Central Career Ctr - www.wphs.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cofo.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>DeVry University - www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College - www.everest-college.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Grantham Univ - www.grantham.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville University of Saint Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>Missouri Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State Univ – West Plains www.wp.missouristate.edu</p> <p>Missouri University of Science & Tech www.mst.edu</p>	<p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst Univ - www.rockhurst.edu</p> <p>Patricia Stevens College www.patriciastevenscollege.edu</p> <p>St. Louis Univ - www.imagine.slu.edu</p> <p>Southeast Missouri State University www.semo.edu</p> <p>Southwest Baptist University www.sbuniv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>University of Central MO - www.ucmo.edu</p> <p>University of Missouri – Columbia www.missouri.edu</p> <p>University of Missouri – Kansas City www.umkc.edu</p> <p>University of Missouri – St Louis www.umsl.edu</p> <p>Univ of Phoenix - www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster Univ - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Aviation Institute of Maintenance www.aviationmaintenance.edu</p> <p>Colorado Technical University www.coloradotech.com</p> <p>American Truck Training www.americantrucktraining.com</p> <p>C-1 Truck Driver Training www.c1training.com</p> <p>ITT Technical Institute www.itt-tech.edu</p> <p>Midwestern Training Center</p> <p>National American University www.national.edu</p> <p>Nuway Truck Driver Training www.nuwaytruckschools.com</p> <p>Southern MO Truck Driving School www.smtds.com</p> <p>Westwind CDL Training Center www.westwindcdl.com</p> <p>Witte Truck Driving School</p>
Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
	On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
	<p>Air Traffic Controllers and Flight Attendants</p> <p>Auto Body Repairers</p> <p>Bicycle Repairers</p> <p>Bus Drivers and School Bus Drivers</p> <p>Dispatchers and Traffic Technicians</p> <p>Freight Handlers</p> <p>Heavy Equipment Mechanics</p> <p>Heavy Truck Drivers</p> <p>Motorboat & Motorcycle Mechanics</p> <p>Parking Lot Attendants</p> <p>Riggers</p> <p>Service Station Attendants, Tire Repairers and Changers</p> <p>Transportation Agents</p>	<p>Aircraft Mechanic</p> <p>Automobile Mechanics</p> <p>Bus and Truck Mechanics and Diesel Engine Specialists</p> <p>Electrical/Electronics Installers/Repairers, Transportation Equipment</p> <p>Electronic Equipment Installers/Repairers, Motor Vehicles</p> <p>First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand</p> <p>First-Line Supervisors/Managers of Transportation</p> <p>Material-Moving Machine and Vehicle Operators</p> <p>Motorboat Mechanics and Motorcycle Mechanics</p> <p>Signal and Track Switch Repairers</p> <p>Traffic Technicians</p> <p>Transportation Vehicle, Equipment/Systems Inspectors</p>	<p>Airline Pilot</p> <p>Logisticians</p> <p>Storage and Distribution Managers</p>	<p>Chief Executive</p>	



Camdenton High School
Science, Technology, Engineering & Mathematics
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY							
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Secondary	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities	
	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Accounting I Web Design Computer Applications Principles of Engineering Intro to Engineering Mechanical Drafting	Fine Art Computer Graphics		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II Statistics	Chemistry in the Environment	American History	Computer Applications Automated Accounting Principles of Engineering Intro to Engineering Computer Graphics Business Operations Sport & Entertainment Marketing Fine Art	PE Accounting I Web Design Mechanical Drafting Digital Electronics Business Law		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus Java I and II IB Course AP Course Dual Credit	Biology Marine Biology Anatomy & Physiology Quant. Analysis Chem. Forensic Science Zoology Astronomy & Meteorology Freshwater Ecology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance Computer Applications Principles of Engineering Intro to Engineering Computer Graphics Business Law Digital Electronics Sport & Entertainment Marketing Computer Integrated Manufacturing Fine Art	PE Accounting I Web Design Mechanical Drafting Business Operations Automated Accounting	Welding & Machining Smart Tech/Tech Mech	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
12	Grammar Communications/ Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus Java I & II IB Course AP Course Dual Credit	Marine Biology Anatomy & Physiology Quant. Analysis Chem. Forensic Science Zoology Astronomy & Meteorology Freshwater Ecology IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Accounting I Web Design Principles of Engineering Mechanical Drafting Automated Accounting Business Operations Digital Electronics Cooperative Education Advanced Personal Finance Sport & Entertainment Marketing Microcomputer: Docs and Pres. Microcomputer: Spreadsheet Psychology (College, IB & AP) Computer Integrated Manufacturing	Computer Applications Automated Accounting Intro to Engineering Computer Graphics Entrepreneurship Business Law International Relations Law & You Fine Art	Welding & Machining Smart Tech/Tech Mech	Placement Assessments: <input type="checkbox"/> Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____	

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu	Missouri Tech www.motech.edu	Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.cofo.edu Columbia College - www.ccis.edu Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Missouri Baptist Univ - www.mobap.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu MO University of Science & Technology www.mst.edu Missouri Western State University www.missouriwestern.edu	Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – Rolla – www.umar.edu Univ of MO – St Louis - www.umsl.edu Washington University - www.wustl.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training Grantham University www.grantham.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
	Electronics Engineering Technologists Engineering Technicians Manufacturing Engineering Technologists Science Technicians	Aerospace Engineers Biomedical Engineers Cartographers Chemists Civil Engineers Electrical and Electronics Engineers Energy Engineers Environmental Engineers Geospatial Information Scientists and Technologists Industrial Engineers Manufacturing Engineers Materials Engineers Mechanical Engineers Meteorologists Mining Engineers Nuclear Engineers Petroleum Engineers Photonics Engineers Remote Sensing Scientists and Technologists	Anthropologists Archeologists Astronomers Biologists Environmental Scientists Geographers Geologists and Geophysicists Historians Mathematicians Physicists Political Scientists Robotics Engineers Sociologists



Camdenton High School
Architecture & Construction
 Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
Secondary	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Principles of Engineering Intro to Engineering Mechanical Drafting Computer Graphics Home Maintenance Career & Family Leadership Housing & Interior Design Advanced Interior Design	Woods Technology	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Principles of Engineering Intro to Engineering Mechanical Drafting Computer Graphics Home Maintenance Digital Electronics Career & Family Leadership Housing & Interior Design Advanced Interior Design Fine Art	Woods Technology Woodworking & Cabinetmaking	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input checked="" type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus Java I & II IB Course AP Course Dual Credit	Biology Physics I & II IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance Principles of Engineering Intro to Engineering Mechanical Drafting Computer Graphics Home Maintenance Digital Electronics Civil Engineering Computer Integrated Manufacturing Housing & Interior Design Advanced Interior Design	PE Fine Art Building Trades Woodworking & Cabinetmaking	Placement Assessments: <input checked="" type="checkbox"/> Compass Test <input checked="" type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
	12	Grammar Communications/ Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus Java I & II IB Course AP Course Dual Credit	Physics I & II IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Art Appreciation Principles of Engineering Intro to Engineering Mechanical Drafting Computer Graphics Home Maintenance Digital Electronics Civil Engineering Computer Integrated Manufacturing Housing & Interior Design Advanced Interior Design Fine Art	Building Trades Woodworking & Cabinetmaking	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input checked="" type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Linn State Technical College www.linnstate.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Comm College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Arcadia Valley Tech Center - www.mineralarea.edu</p> <p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Clinton Tech School www.clinton.k12.mo.us</p> <p>Columbia Area Career Ctr - www.career-center.org</p> <p>Davis Hart Career Ctr- www.mexicoschools.net</p> <p>Eldon Career Ctr - www.eldoncareercenter.org</p> <p>Franklin Technology- MSSU www.ftcjoplin.com</p> <p>Gibson Tech Ctr - www.wolves.k12.mo.us/gtc</p> <p>Grand River Technical School - www.grts.org</p> <p>Hannibal Career and Technical Center www.hannibal.tec.mo.us</p> <p>Herndon Career Center www.herndoncareercenter.com</p> <p>Hillyard Technical Ctr - www.hillyardtech.com</p> <p>Lake Career & Technical Center www.camdentonschools.org</p> <p>Lebanon Technology and Career Ctr www.lebanon.k12.mo.us</p> <p>Lex La-Ray Tech Ctr www.lexington.k12.mo.us</p> <p>Kirksville Area Tech Ctr www.kirksville.k12.mo.us</p> <p>Moberly Area Tech Ctr - www.moberly.k12.mo.us</p> <p>Nichols Career Center - www.jcps.k12.mo.us</p> <p>Northland Career Ctr - www.northlandcareercenter.com</p> <p>Northwest Tech School - www.maryville.k12.mo.us</p> <p>Perryville Area Career/Tech Center www.perryville.k12.mo.us</p> <p>Pike-Lincoln Tech Ctr - www.pltc.k12.mo.us</p> <p>Ranken Tech College - www.ranken.edu</p> <p>Rolla Tech Institute - www.rolla.k12.mo.us</p> <p>South Central Career Ctr - www.wphs.k12.mo.us</p> <p>Unitec Career Center - www.mineralarea.edu</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.ecom</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cofu.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College - www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>Missouri Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p>	<p>MO University of Science & Technology www.mst.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst University www.rockhurst.edu</p> <p>Saint Louis University www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State University www.semo.edu</p> <p>Southwest Baptist Univ - www.sbuiv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO – Columbia - www.missouri.edu</p> <p>Univ of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – St Louis - www.umsf.edu</p> <p>University of Phoenix - www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Foley-Belsaw Institute www.foley-belsaw.com</p> <p>Colorado Technical University www.coloradotech.com</p> <p>DeVry University www.drury.edu</p> <p>Grantham University www.grantham.edu</p> <p>ITT Technical Institute www.itt-tech.edu</p> <p>MERS/Missouri Goodwill Industries www.mersgoodwill.org</p> <p>Missouri Welding Institute www.nwi.ws</p> <p>National American University www.national.edu</p>

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Bricklayers, Stonemasons and Cement Masons</p> <p>Cabinetmakers and Carpenters</p> <p>Drywall Finishers & installers and Plasterers</p> <p>Electricians</p> <p>Fence Builders</p> <p>Heating and Cooling System Mechanics</p> <p>Highway Maintenance Workers & Paving Equip Operators</p> <p>Line Installers and Repairers</p> <p>Plumbers and Pipefitters</p> <p>Roofers</p> <p>Sheet Metal Workers and Structural Metal Workers</p> <p>Surveying and Mapping Technicians</p> <p>Tile Setters</p>	<p>Commercial Divers</p> <p>Drafters</p> <p>Energy Auditors</p> <p>Interior Designers</p>	<p>Architects</p> <p>Construction Managers</p> <p>Cost Estimators</p> <p>Landscape Architects</p> <p>Surveyors</p>	<p>Architects, Except Landscape and Naval</p> <p>Architecture Teachers, Postsecondary</p> <p>Engineering Managers</p> <p>Engineering Teachers, Postsecondary</p> <p>Historians</p> <p>Operations Research Analysts</p> <p>Political Scientists</p> <p>Sociologists</p> <p>Sociology Teachers, Postsecondary</p>



Camdenton High School
Agriculture, Food & Natural Resources
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
Secondary	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Career & Family Leadership Accounting I Marketing Computer Applications	Introduction to Agriculture	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: X Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ Placement Assessments: X Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA X FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Career & Family Leadership Family & Individual Health Family Relations Accounting I Automated Accounting Marketing Computer Applications Fine Art	Introduction to Agriculture Agriculture Power & Construction Animal Science Conservation of Natural Resources Turf & Landscape Management Greenhouse Production Livestock Operations & Management	
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance Fine Art PE Career & Family Leadership Family & Individual Health Family Relations Nutrition Accounting I Automated Accounting Marketing Computer Applications	Agriculture Power & Construction Animal Science Conservation of Natural Resources Livestock Operations & Management Turf & Landscape Management Greenhouse Production	
	12	Grammar Communications/Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Zoology Freshwater Ecology Marine Biology Astronomy & Meteorology IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Career & Family Leadership Family & Individual Health Family Relations Nutrition Accounting I Automated Accounting Computer Applications General Sociology Fine Art	Agriculture Power & Construction Animal Science Conservation of Natural Resources Livestock Operations & Management Turf & Landscape Management Greenhouse Production	

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org

	Community College	Technical School/Training Institution	In State		Out of State/Other
	Postsecondary	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Community College www.otc.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu	Columbia Area Career Center www.career-center.org Davis Hart Career Center www.mexicoschools.net Eldon Career Center www.eldoncareercenter.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Kirksville Area Tech Center www.kirksville.k12.mo.us Moberly Area Tech Center www.moberly.k12.mo.us Ranken Tech College www.ranken.edu Waynesville Technical Academy www.waynesville.k12.mo.us	A.T. Skill University of Health Sciences www.atsu.edu Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.cofo.edu Columbia College - www.ccis.edu Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College - www.hlq.edu Lincoln University - www.lincolnu.edu Lindenwood University www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Missouri Baptist Univ - www.mobap.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu MO Univ of Science & Technology www.mst.edu Missouri Valley College www.moval.edu	Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University - www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – St Louis - www.umsl.edu Washington University - www.wustl.edu Webster University www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Animal Caretakers Animal Trainers Bakers Commercial Fishers Farm and Ranch Workers Farm Equipment Mechanics Farmers Food Processing Workers Log Graders and Scalers Loggers Meat Cutters Mining Machine Operators Nursery Workers Rock Splitters Trash Collectors Veterinary Assistants Water Treatment Plant Operators	Fish and Game Wardens Forestry Technicians Precision Agriculture Technicians	Agricultural Engineers Agricultural Scientists Animal Scientists Conservation Scientists Farm and Home Management Advisors Food Scientists Foresters Park Naturalists Zoologists	Agricultural Sciences Teachers, Postsecondary Animal Scientists Farm and Home Management Advisors Veterinarians Zoologists and Wildlife Biologists



Health and Human Services





Camdenton High School
Hospitality & Tourism
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements **SUGGESTED COURSE OF HIGH SCHOOL STUDY**
 It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
Secondary	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Intro to Marketing Web Design Career & Family Leadership Mass Media Speech Accounting I	Exploring Culinary Careers	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: <hr/>
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Intro to Marketing Web Design Career & Family Leadership Sports & Entertainment Marketing Nutrition Mass Media Speech Accounting I Automated Accounting	Exploring Culinary Careers Introduction to Culinary Arts	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: <hr/> Assessments/Certifications: X Technical Skills Attainment (TSA) X Other: ServSafe National Restaurant Association
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government International Relations IB Course AP Course Dual Credit	PE Personal Finance Intro to Marketing Web Design Career & Family Leadership Sports & Entertainment Marketing Nutrition Psychology (College, IB & AP) Mass Media Speech Accounting I Automated Accounting	Culinary Arts Introduction to Culinary Arts	Placement Assessments: X Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: <hr/>
	12	Grammar Communications/Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	International Relations IB Course AP Course Dual Credit	Sports & Entertainment Marketing Nutrition Psychology (College, IB & AP) Mass Media Speech Accounting I Automated Accounting General Sociology Fine Art	Culinary Arts Introduction to Culinary Arts	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA X FCCLA X SkillsUSA <input type="checkbox"/> Other: <hr/>

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Ozarks Tech Community College www.otc.edu St Louis Community College www.stlcc.edu Three Rivers Community College www.trcc.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Gibson Technical Center www.wolves.k12.mo.us/gtc Lake Career and Technical Center www.camdentonschools.org Lebanon Technology Career Center www.lebanon.k12.mo.us Macon Area Vocational Technical School www.macon.k12.mo.us/vocational Northland Career Center www.northlandcareercenter.com Northwest Tech School - www.maryville.k12.mo.us Nevada Regional Technical Center www.nevada.k12.mo.us.us Pemiscot County Career & Tech Ctr South Central Career Center www.wphs.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us	Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.cofo.edu Columbia College - www.ccis.edu Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Missouri Baptist Univ - www.mobap.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu	Park University - www.park.edu Rockhurst University - www.rockhurst.edu Saint Louis Univ - www.imagine.stu.edu Southeast MO State Univ - www.semo.edu Southwest Baptist Univ - www.sbuniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO – Columbia www.missouri.edu Univ of MO – Kansas City www.umkc.edu Univ of MO – St Louis - www.umsl.edu Washington University - www.wustl.edu Webster University www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training Kansas City Art Institute www.kcai.edu Lecole Culinaire www.lecoleculinarie.com Midwestern Baptist Theological Seminary – www.mbts.edu

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Amusement and Recreation Workers Baggage Porters and Bellhops Bartenders Casino Gaming Workers Chefs and Dinner Cooks Concierges Counter Attendants Fast Food Cooks Food Preparation Workers Hotel Desk Clerks Janitors and Cleaners Kitchen Helpers Maids and Housekeepers Professional Athletes Recreation Attendants Recreation Guides Recreation Workers Reservation and Ticket Agents Restaurant Hosts Tour Guides Umpires and Referees Waiters and Waitresses	Animal Trainers Casino Gaming Workers First-Line Supervisors/Managers of Housekeeping and Janitorial Workers Flight Attendants Food Service Managers Lodging Managers Reservation and Transportation Ticket Agents and Travel Clerks Residential Advisors Self Enrichment Education Teachers Travel Agents	Interpreters and Translators Meeting and Convention Planners Recreation Workers Set and Exhibit Designers Social and Community Service Managers	Farm and Home Management Advisors



Camdenton High School
Human Services
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements	SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.
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	Grade	English	Math	Science	Social Studies	Recommended Elective Options	<u>Lake Career & Technical Center</u>	Additional Learning Opportunities
Secondary	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Career & Family Leadership		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry of in the Environment	American History	PE Career & Family Leadership Family & Individual Health Family Relations Child Development Parenting Nutrition Fine Art		
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology Anatomy & Physiology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance PE Career & Family Leadership Family & Individual Health Family Relations Child Development Parenting Nutrition Psychology (College, IB & AP) Lifetime Activities Fitness for Life Fine Art		Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	Grammar Communications/ Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Anatomy & Physiology IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Family & Individual Health Family Relations Child Development Parenting Nutrition Psychology (College, IB & AP) Lifetime Activities Fitness for Life General Sociology Principles of Management Fine Art		Placement Assessments: <input type="checkbox"/> Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org

Community College	Technical School/Training Institution	In State		Out of State/Other
<p>Crowder College www.crowder.edu East Central College www.eastcentral.edu St Louis Community College www.stlcc.edu</p>	<p>Colorado Technical University www.coloradotech.com Davis Hart Career Center www.mexicoschools.net Herndon Career Center www.herndoncareercenter.com Heritage Tech Institute www.hightechinstitute.edu Massage Therapy Training Institute www.massagetherapytraininginstitute.com Midwest Institute www.midwestinstitute.com Neosho Beauty College www.neoshobeautycollege.com Paris II Educational Center - www.parisii.net Patsy & Robs Academy of Beauty www.praob.edu Pinnacle Career Institute www.pcittraining.edu Professional Massage Training Center www.pmtc.edu Regency Beauty Institute www.regencybeauty.com St Charles School of Massage Therapy www.dayspaacademy.net</p>	<p>Allied College - www.alliedcollege.edu Avila University - www.avila.edu Central Bible College – www.cbccag.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.cofo.edu Columbia College - www.ccis.edu Conception Seminary College www.conceptionabbey.org Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Messenger College www.messengercollege.edu Metro Business College www.metrobusinesscollege.edu Midwest University - www.midwest.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri College of Cosmetology www.missouricosmo.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri Valley College www.moval.edu</p>	<p>Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Ozark Christian College - www.occ.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis Christian College www.slcconline.edu St Louis College of Health Careers www.slchc.com Saint Louis Univ - www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO – Columbia www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – St Louis - www.umsl.edu Vatterott College www.vatterott-college.edu Washington University - www.wustl.edu Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edu William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Aquinas Institute of Theology www.ai.edu Assemblies of God Theological Seminary – www.agts.edu Calvary Bible College & Theological Seminary – www.calvary.edu Chillicothe Beauty Academy www.chillicothe-cosmetology.com Concordia Seminary - www.csl.edu Cosmetology Concepts Institute www.cosmetology-concepts.com Covenant Theological Seminary www.covenantseminary.edu Eden Theological Seminary www.eden.edu Elaine Steven Beauty College www.elainestevenbeautycollege.com Grabber School of Hair Design www.grabberschool.com House of Heavlin Beauty College www.kc-hair.com Independence College of Cosmetology www.hair-skin-nails.com Kenrick Glennon Seminary www.kenrick.edu Merrell University of Beauty Arts & Science - www.merrelluniversity.edu Midwestern Baptist Theological Seminary - www.mbts.edu Nazarene Theological Seminary www.nts.edu St Paul School of Theology www.spst.edu</p>

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Child Care Workers Customer Service Representatives Funeral Attendants Laundry and Dry Cleaning Workers Lifeguards and Other Recreational Protective Service Workers Residential Counselors Social and Human Service Assistants</p>	<p>Barbers Embalmers and Funeral Director Government Programs Hairstylists and Cosmetologists Manicurists Preschool Teacher Professional Makeup Artists Residential Advisors Skin Care Specialists Social and Human Service Assistants</p>	<p>Addiction Counselors Director, Religious Activities and Education Early Childhood Educator Financial Counselors Health Educators Recreation Workers Rehabilitation Counselors Social and Community Service Manager Social Workers</p>	<p>Clergy Industrial-Organizational Psychologists Marriage and Family therapists Mental Health Counselors Psychologists Rehabilitation Counselors School Counselors Social Workers Substance Abuse and Behavioral Disorder Counselors Teachers, Postsecondary</p>



Camdenton High School
Law, Public Safety, Corrections & Security
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
Secondary	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Career & Family Leadership Speech Debate	Introduction to Law Enforcement	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Career & Family Leadership Speech Debate Family Relations Parenting Weight Training Fine Art	Crime Scene Investigation/Law Enforcement Introduction to Law Enforcement	
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	PE Personal Finance Career & Family Leadership Speech Debate Family Relations Parenting Weight Training Law & You Psychology (College, IB & AP) Forensic Science Public Speaking	Crime Scene Investigation/Law Enforcement Introduction to Law Enforcement	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	Grammar Communications/ Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Speech Debate Family Relations Parenting Weight Training Law & You Psychology (College, IB & AP) Forensic Science Public Speaking General Sociology Intro to Criminal Justice	Crime Scene Investigation/Law Enforcement	Placement Assessments: <input type="checkbox"/> Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Linn State Technical College www.linnstate.edu</p> <p>Metropolitan Community College www.mccckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central MO College www.ncmissouri.edu</p> <p>Ozarks Tech Community College www.otc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Columbia Career Center www.career-center.org</p> <p>Grand River Tech School - www.grts.org</p> <p>Hillyard Technical Center www.hillyardtech.com</p> <p>Rolla Technical Institute www.rolla.k12.mo.us</p> <p>Sikeston Career and Technology Center www.sikeston.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>College of the Ozarks - www.cofo.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Hickey College www.hickeycollege.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p>	<p>Park University - www.park.edu</p> <p>Patricia Stevens College www.patriciastevenscollege.edu</p> <p>Rockhurst University www.rockhurst.edu</p> <p>Saint Louis Univ - www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State University www.semo.edu</p> <p>Southwest Baptist University www.sbuuniv.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>University of MO – Columbia www.missouri.edu</p> <p>University of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – St Louis - www.umsl.edu</p> <p>Univ of Phoenix – www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Allied College www.alliedcollege.edu</p> <p>High Tech Institute www.hightechinstitute.edu</p> <p>National American University www.national.edu</p> <p>Texas County Technical Institute www.texascountytech.edu</p>
Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org					
On-The-Job Training or Less		Technical Training or Associate Degree	Bachelors Degree		Masters Degree or More
<p>Ambulance Drivers</p> <p>Animal Control Workers</p> <p>Bailiffs</p> <p>Corrections Officers</p> <p>Court Clerks</p> <p>Crossing Guards</p> <p>Fire Fighters</p> <p>Forest Fire Fighters</p> <p>Gaming Surveillance Officers and Gaming Investigators</p> <p>Life Guards and Ski Patrollers</p> <p>Parking Enforcement Officers</p> <p>Parking Enforcement Workers</p> <p>Police, Fire, and Ambulance Dispatchers</p> <p>Security Guards</p> <p>Sheriffs</p> <p>Transportation Security Agents</p>		<p>Correctional Officers and Jailers</p> <p>Court Reporters</p> <p>Emergency Medical Technicians and Paramedics</p> <p>Fire Inspectors</p> <p>Fire Investigators</p> <p>First-Line Supervisors/Managers of Police and Detectives</p> <p>Forest Fire Fighting and Prevention Supervisors</p> <p>Forest Fire Inspectors and Prevention Specialists</p> <p>Legal Secretaries</p> <p>Municipal Fire Fighting and Prevention Supervisors</p> <p>Paralegals and Legal Assistants</p> <p>Police Detectives</p> <p>Police Identification and Records Officers</p> <p>Police Patrol Officers</p> <p>Private Detectives and Investigators</p> <p>Sheriffs and Deputy Sheriffs</p> <p>Title Examiners, Abstractors, and Searchers</p> <p>Transit and Railroad Police</p>	<p>Arbitrators and Mediators</p> <p>Coroners</p> <p>Correctional Treatment Specialists</p> <p>Criminal Investigators and Special Agents</p> <p>Emergency Management Specialists</p> <p>Forensic Science Technicians</p> <p>Immigration and Customs Inspectors</p> <p>Judges and Hearing Officers</p> <p>Law Clerks</p> <p>Probation Officers</p>		<p>Anthropology and Archeology Teachers, Postsecondary</p> <p>Child, Family, and School Social Workers</p> <p>Criminal Justice and Law Enforcement Teachers, Postsecondary</p> <p>Lawyer</p> <p>Psychology Teachers, Postsecondary</p>



Camdenton High School
Health Sciences
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
Secondary	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art Career & Family Leadership	Introduction to Health Care	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: <hr/> Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: <hr/> Assessments/Certifications: X Technical Skills Attainment (TSA) <input type="checkbox"/> Other: X ___ CPR/AED ___ <hr/> Placement Assessments: X Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: <hr/> Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA X SkillsUSA <input type="checkbox"/> Other:
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Nutrition Career & Family Leadership Family & Individual Health Family Relations Child Development Parenting	Introduction to Health Care Medical Terminology	
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology Anatomy & Physiology Quant. Analysis Chem. Forensic Science Science Research IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	PE Personal Finance Family & Individual Health Family Relations Child Development Parenting Nutrition Psychology (College, IB & AP) Fine Art	Health Occupations I Medical Terminology	
	12	Grammar Communications/ Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Anatomy & Physiology Quant. Analysis Chem Forensic Science Science Research IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Family & Individual Health Family Relations Child Development Parenting Nutrition Psychology (College, IB & AP) General Sociology Principles of Management Fine Art	Health Occupations I Health Occupations II Medical Terminology	

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Comm College www.mckkc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Comm College www.macc.edu</p> <p>North Central MO College www.ncmissouri.edu</p> <p>Ozarks Tech Comm College www.otc.edu</p> <p>St. Charles Comm College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Comm College www.trcc.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Cass Career Center www.harrisonville.k12.mo.us</p> <p>Columbia Career Center www.career-center.org</p> <p>Four Rivers Technical Center www.washington.k12.mo.us</p> <p>Franklin Tech - MSSU www.ftcjoplin.com</p> <p>Grand River Tech School - www.grts.org</p> <p>Herndon Career Center www.herndoncareercenter.com</p> <p>Hillyard Technical Center www.hillyardtech.com</p> <p>Kennett Career and Technology Center www.kennett.k12.mo.us</p> <p>Lex La-Ray Tech Ctr - www.lexington.k12.mo.us</p> <p>Moberly Area Tech Center www.moberly.k12.mo.us</p> <p>Northland Career Center www.northlandcareercenter.com</p> <p>Northwest Tech School - www.maryville.k12.mo.us</p> <p>Poplar Bluff Schools - www.r1schools.org</p> <p>Sikeston Career and Technology Center www.sikeston.k12.mo.us</p> <p>South Central Career Center www.wphs.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>AT Skill University of Health Sciences www.atsu.edu</p> <p>Avila University - www.avila.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cofo.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Harris-Stowe State Univ -www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Missouri College www.missouricollege.com</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>MO Southern State Univ - www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p>	<p>Missouri Valley College –www.moval.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Patricia Stevens College www.patriciastevenscollege.edu</p> <p>Rockhurst University - www.rockhurst.edu</p> <p>Saint Louis Univ - www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State Univ -www.semo.edu</p> <p>Southwest Baptist Univ -www.sbuniv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO – Columbia -www.missouri.edu</p> <p>Univ of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – St Louis - www.umsl.edu</p> <p>Univ of Phoenix – www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Allied College - www.hightechinstitute.edu</p> <p>Barnes-Jewish College of Nursing & Allied Health - www.barnesjewishcollege.edu</p> <p>Cleveland Chiropractic College www.cleveland.edu</p> <p>Colorado Tech Univ www.coloradotech.com</p> <p>Cox Health - www.coxhealth.com</p> <p>Chamberlain College of Nursing www.chamberlain.edu</p> <p>Heritage Coll - www.heritage-college.com</p> <p>Cox College of Nursing & Health Science www.coxcollege.edu</p> <p>Logan Coll of Chiropractic - www.logan.edu</p> <p>Lutheran School of Nursing www.nursingschoollmc.com</p> <p>Kansas City Univ of Med & Biosciences - www.kcumb.edu</p> <p>Research Med Ctr School of Nuclear Med www.researchmedicalcenter.com</p> <p>St John's Reg Health Ctr -www.stjohns.com</p> <p>Saint Luke's College - www.saint-lukes.org</p> <p>St Louis College of Health Careers www.slchc.com</p> <p>St Louis Coll Pharmacy - www.stlcoop.edu</p> <p>Southeast MO Hospital College of Nursing www.souteastmissourihospital.com</p> <p>Truman Med Ctr School - Nurse Anesthesia www.trumed.org</p>

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Dental Assistants</p> <p>Dental Laboratory Technicians</p> <p>Home Health Aides</p> <p>Medical Appliance Technicians</p> <p>Medical Assistants</p> <p>Medical Equipment Preparers</p> <p>Medical Secretaries</p> <p>Personal and Home Care Aides</p> <p>Pharmacy Aides</p> <p>Pharmacy Technicians</p> <p>Physical Therapist Aides</p> <p>Psychiatric Aides</p>	<p>Cardiovascular Technologists</p> <p>Dental Hygienists</p> <p>Emergency Medical Technicians</p> <p>Health Information Technicians</p> <p>Licensed Practical Nurses</p> <p>Medical Laboratory Technicians</p> <p>Medical Sonographers</p> <p>Medical Transcriptionists</p> <p>Nursing Assistants</p> <p>Occupational Therapist Assistants</p> <p>Physical Therapist Assistants</p> <p>Radiation Therapists</p> <p>Radiologic Technologists</p> <p>Registered Nurses</p> <p>Respiratory Therapists</p> <p>Surgical Technologists</p> <p>Veterinary Technologists and Technicians</p>	<p>Administrative Services Managers</p> <p>Athletic Trainers</p> <p>Biomedical Engineers</p> <p>Computer Programmers</p> <p>Computer Software Engineers, Applications</p> <p>Dietitians</p> <p>Health Educators</p> <p>Medical and Clinical Laboratory Technologists</p> <p>Medical Laboratory Technologists</p> <p>Occupational Health and Safety Specialists</p> <p>Orthotic and Prosthetic Specialists</p> <p>Petroleum Engineers</p> <p>Public Relations Specialists</p> <p>Recreational Therapists</p> <p>Rehabilitation Counselors</p>	<p>Athletic Trainers, Physical and Occupational Therapists</p> <p>Biologists, Physicists, Hydrologists, Epidemiologists</p> <p>Clinical Psychologists and Mental Health Counselors</p> <p>Computer and Information Scientists, Research</p> <p>Dietitians and Nutritionists</p> <p>Farm and Home Management Advisors</p> <p>Health Specialties Teachers, Postsecondary</p> <p>Home Economics Teachers, Postsecondary</p> <p>Medical and Health Services Managers</p> <p>Medical Scientists, Except Epidemiologists</p> <p>Natural Sciences Mgrs, Zoologists and Wildlife Biologists</p> <p>Nurse Anesthetists and Physician Assistants</p> <p>Orthotics and Prosthetics</p> <p>Pharmacists</p> <p>Speech-Language Pathologists</p> <p>Communications Teachers, Postsecondary</p> <p>Veterinarians</p>



Camdenton High School
Government & Public Administration
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
Secondary	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Accounting I Computer Applications Web Design Fine Art		School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Business Law Business Tech Web Design Computer Applications Automated Accounting Sport & Entertainment Marketing Accounting I Fine Art		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	Personal Finance Law & You Business Law Business Tech Public Speaking International Relations Computer Applications AP US Government & Politics AP Comparative Government & Politics Automated Accounting Sport & Entertainment Marketing Advanced Personal Finance	PE Accounting I Fine Art	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	Grammar Communications/ Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	IB Course AP Course Dual Credit	Law & You Business Law General Sociology Entrepreneurship International Relations Computer Applications AP Comparative Government & Politics Automated Accounting Sport & Entertainment Marketing Advanced Personal Finance Psychology (College, IB, and AP) Cooperative Education Principles of Management Intro to Criminal Justice	Accounting I Business Tech Public Speaking Fine Art	Placement Assessments: <input type="checkbox"/> Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org								

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College www.crowder.edu East Central College www.eastcentral.edu Moberly Area Community College www.macc.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Clinton Technical School www.ed2go.com/cts Franklin Technology – MSSU www.ftcjoplin.com Grand River Technical School www.grts.org Hillyard Technical Center www.hillyardtech.com Lex La-Ray Technical Center www.lexington.k12.mo.us Moberly Area Technical Center www.moberly.k12.mo.us Pike-Lincoln Technical Center http://pltc.k12.mo.us Saline County Career Center www.marshallschools.com/sccc Sikeston Career & Technology Center www.sikestone.k12.mo.us	Avila University www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks www.cofo.edu Columbia College www.ccis.edu Culver-Stockton College www.culver.edu Drury University www.drury.edu Evangel University www.evangel.edu Everest College www.everest-college.edu Fontbonne University www.fontbonne.edu Harris-Stowe State University www.hssu.edu Lincoln University www.lincolnu.edu Lindenwood University www.lindenwood.edu Maryville University of Saint Louis www.maryville.edu Missouri Baptist University www.mobap.edu Missouri Southern State University www.mssu.edu Missouri State University www.missouristate.edu	Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.slu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Stephens College www.stephens.edu Truman State University www.truman.edu University of Central Missouri www.ucmo.edu University of MO – Columbia www.missouri.edu University of Missouri – Kansas City www.umkc.edu University of MO – St Louis www.umsf.edu Washington University www.wustl.edu Webster University www.webster.edu	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training ITT Technical Institute www.itt-tech.edu Kansas City Art Institute www.kcai.edu National American University www.national.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Compliance Officers and Inspectors Government Benefits Interviewers Interpreters and Translators License Clerks Mail Carriers Meter Readers Postal Clerks	Assessors Eligibility Interviewers, Government Programs General, Operations and Transportation Managers Government Property Inspectors and Investigators Licensing Examiners and Inspectors Mapping Technicians Municipal and Court Clerks Postmasters and Mail Superintendents Surveying Technicians Tax Examiners, Collectors, and Revenue Agents Tax Preparers	Administrative Services Managers Broadcast News Analysts & Public Relations Specialists City and Regional Planning Aides Emergency Management Specialists Equal Opportunity Representatives and Officers Financial Examiners Legislators Reporters and Correspondents Social and Community Service Managers Storage and Distribution Managers Urban and Regional Planners	Architecture Teachers, Postsecondary Chief Executives Communications Teachers, Postsecondary Coroners Economists Engineering Managers Political Science Teachers, Postsecondary Political Scientists



Camdenton High School
Education & Training
Career Cluster Program of Study Template
camdentonschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
Secondary	Grade	English	Math	Science	Social Studies	Recommended Elective Options	Lake Career & Technical Center	Additional Learning Opportunities
	9	English 9 Grammar	Algebra I Geometry	Freshman Physics	World History	PE / Health Fine Art French Speech Debate Speech Career & Family Leadership Competitive Performance Events	Introduction to Teaching	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English 10 Grammar	Algebra I Geometry Algebra II IB Course AP Course Dual Credit	Chemistry in the Environment	American History	PE Spanish Career & Family Leadership Child Development Parenting Speech Debate French Family Relations Competitive Performance Events	Introduction to Teaching Foundations of Education	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: X Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	11	English 11 Grammar IB Course AP Course Dual Credit	Geometry Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	Biology IB Course AP Course Dual Credit	Government IB Course AP Course Dual Credit	PE Speech Spanish Parenting Career & Family Leadership Family Relations Personal Finance Psychology (College, IB & AP) Competitive Performance Events Fine Art	Introduction to Teaching Foundations of Education Teacher Education	Placement Assessments: X Compass Test X PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
	12	Grammar Communications/ Lit & Other Reading 21 st Century Communications/ Lit & Other Reading IB Course AP Course Dual Credit	Algebra II Consumer Math Trigonometry / Statistics Pre-Calculus IB Course AP Course Dual Credit	College Biology IB Course AP Course Dual Credit	World Civilizations College History IB Course AP Course Dual Credit	Speech Debate Parenting Family Relations Career & Family Leadership Child Development Psychology (College, IB & AP) General Sociology Competitive Performance Events College English	Foundations of Education Teacher Education	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA X Other: FTA

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Tech Community College www.otc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>		<p>Avila University - www.avila.edu</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cfto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Cottey College - www.cottey.edu</p> <p>Culver-Stockton College www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p> <p>Missouri Valley College – www.moval.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p>	<p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst University www.rockhurst.edu</p> <p>Saint Louis Univ - www.imagine.stu.edu</p> <p>St Louis Christian College www.slcconline.edu</p> <p>Southeast MO State University www.semo.edu</p> <p>Southwest Baptist University www.sbuiv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>University of MO – Columbia www.missouri.edu</p> <p>University of MO – Kansas City www.umkc.edu</p> <p>University of MO – St Louis www.umsl.edu</p> <p>Washington University - www.wustl.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>Webster University www.websteruniv.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Baptist Bible College & Graduate School www.baptist.edu</p> <p>Calvary Bible College and Theological Seminary - www.calvary.edu</p> <p>Colorado Technical University www.coloradotech.com</p> <p>Conception Seminary College www.conceptionabbey.org</p> <p>Grantham University www.grantham.edu</p> <p>National American University www.national.edu</p> <p>Paris II Educational Center www.parisii.net</p> <p>Wentworth Military Academy www.wma1880.org</p>

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Audi-Visual Specialists</p> <p>Coaches and Scouts</p> <p>Library Assistant</p> <p>Teacher Aides</p>	<p>Adult and Vocational Education Instructors</p> <p>Fitness Trainers and Aerobics Instructors</p> <p>Library Technical Assistants</p> <p>Preschool Teachers</p> <p>Teacher Assistants</p>	<p>Adult and Vocational Education Instructors</p> <p>Adult Literacy, Remedial Education, GED Teachers</p> <p>Audio-Visual Specialists</p> <p>Education Administrators</p> <p>Elementary School Teachers</p> <p>Employee Training Specialists</p> <p>High School Teachers</p> <p>Kindergarten Teachers</p> <p>Middle School Teachers</p> <p>Poets, Lyricists, and Creative Writer</p> <p>Public Health Educators</p> <p>Special Education Teachers</p>	<p>Adult and Vocational Education Instructors</p> <p>Audiologists</p> <p>Coaches and Scouts</p> <p>College and University Administrators</p> <p>Curriculum and Instruction</p> <p>Dieticians and Nutritionists</p> <p>Education Administrators</p> <p>Historians</p> <p>Instructional Coordinators</p> <p>Librarians</p> <p>School Psychologists</p> <p>Speech Pathologists</p> <p>Teacher</p>

Course Offerings 2015-2016

Dual Credit

Credit	Courses		10	11	12
1.0	BIO 112 General Biology [HW]	H0450		X	X
1.0	CHEM 123 Intro to Chem w/Lab [HW]	H0470	X	X	X
0.5	ENG 101 Composition [HW]	H0120		X	X
0.5	ENG 102 Composition [HW]	H0121		X	X
0.5	HIST 101 US History Pre-1877 [HW]	H0250		X	X
0.5	HUM 108 World Civilization [HW]	H0251		X	X
0.5	MATH 114 College Algebra [HW]	H0360		X	X
0.5	PSY 101 General Psychology [HW]	H0260		X	X
0.5	SPTH 101 Public Speaking [HW]	H0535		X	X
0.5	SPTH 107 Intro to Theater [HW]	H0555		X	X
ON-LINE Dual Credit Courses					
0.5	ACCT 101 Prin of Fin Accounting [HW]	H0938		X	X
0.5	BADM 107 Personal Finance [HW]	H0809		X	X
0.5	BSMT 108 Principles of Management [HW]	H0815		X	X
0.5	SOC 100 General Sociology [HW]	H0265		X	X
0.5	CJ 102 Intro to Criminal Justice [HW]	H0255		X	X
0.5	CIS 103 Intro to CIS [HW]	H0811		X	X
0.5	ART 101 Art Appreciation [HW]	H0529		X	X

Science 3-Graduation, 2-College Prep (Lab)

Credit	Courses		9	10	11	12
1.0	Freshman Physics (Lab)	H0428	X			
1.0	Freshman Physics Honors [HW]	H0429	X			
1.0	IB Environmental Systems I (SL) [AW]	H0409			X	X
1.0	AP Chemistry (Lab) [AW]	H0453			X	X
1.0	BIO 112 General Biology w/Lab [HW]	H0450			X	X
1.0	CHEM 123 Intro to Chem w/Lab [HW]	H0470		X	X	X
1.0	Chemistry in the Environment	H0425		X		
1.0	AP Environmental Science [AW]	H0442			X	X
1.0	IB Chemistry I (HL) [AW]	H0444			X	
	IB Chemistry I (SL)	H0446				
1.0	IB Chemistry II (HL) [AW]	H0443				X
	IB Chemistry II (SL)	H0445				
1.0	Physics (Lab) [HW]	H0455			X	X
1.0	IB Physics I (SL) [AW]	H0456			X	
1.0	IB Physics II (SL) [AW]	H0457				X
1.0	AP Biology (Lab) [AW]	H0454			X	X
1.0	Biology	H0407			X	
1.0	Marine Biology [HW]	H0426			X	X
1.0	IB Marine Science (SL) [AW]	H0451			X	X
1.0	Anatomy & Physiology [HW]	H0419			X	X
0.5	Forensic Science [HW]	H0421			X	X
0.5	Zoology [HW]	H0422			X	X
1.0	Science Research [HW]	H0480	X	X	X	X
1.0	IB Biology I (HL) [AW]	H0405			X	
1.0	IB Biology II (HL) [AW]	H0411				X
1.0	Astronomy & Meteorology [HW]	H0423			X	X
0.5	Freshwater Ecology	H0424			X	X

English Credits – 4-Graduation, 4-College Prep

Credit	Courses		9	10	11	12
1.0	English 9	H0100	X			
	English 9 Honors [HW]	H0098				
1.0	English 10	H0101		X		
	English 10 Honors [HW]	H0102				
1.0	English 11	H0132			X	
	English 11 Honors [HW]	H0130				
1.0	IB English A: Literature I (HL) [AW]	H0114			X	
1.0	IB English A: Literature II (HL) [AW]	H0115				X
0.5	Poetry	H0110			X	X
0.5	Speech	H0530	X	X	X	X
1.0	Debate: Policy [HW]	H0162	X	X	X	X
1.0	Debate: Lincoln-Douglas/Public Forum [HW]	H0163	X	X	X	X
1.0	Grammar [HW]	H0155	X	X	X	X
1.0	Competitive Performance Events **	H0170	X	X	X	X
0.5	ENG 101 Composition [HW]	H0120			X	X
0.5	ENG 102 Composition [HW]	H0121			X	X
0.5	SPTH 101 Public Speaking [HW]	H0535			X	X
0.5	IB Theory of Knowledge [AW] (2 nd sem)	H0150			X	
1.0	AP English Literature [AW]	H0108			X	X
0.5	Creative Writing	H0145			X	X
0.5	21 st Century Communications	H0142				X
0.5	Communications (1 st semester)	H0141				X
0.5	Literature & Other Readings	H0140				X
1.0/2.0	Mass Media I [HW] **	H0137	X	X	X	X
1.0/2.0	Mass Media II [HW]**	H0135		X	X	X
1.0	Myth and Legend [HW]	H0153			X	X
0.5	Shakespeare's Comedies [HW]	H0152			X	X
0.5	Perspectives in Journalism & Other Media (2nd Sem Only)	H0143			X	X
0.5	Film as Visual Literacy (2nd Semester Only)	H0136			X	X

Social Studies 3-Graduation, 3-College Prep

Credit	Courses		9	10	11	12
1.0	World History/Geography	H0201	X			
1.0	World History/Geography A [HW]	H0204	X			
1.0	American History	H0299		X		
1.0	IB History of the Americas I (HL) [AW]	H0298			X	
1.0	IB History of the Americas II (HL) [AW]	H0297				X
1.0	AP US Government & Politics [AW]	H0280			X	X
0.5	AP Comparative Govt & Politics [AW]	H0253			X	X
1.0	AP U.S. History [AW]	H0261			X	X
1.0	Government	H0270			X	
1.0	Government A [HW]	H0271			X	
0.5	HIST 101 US History Pre-1877 [HW]	H0250			X	X
0.5	HUM 108 World Civ [HW]	H0251			X	X
0.5	International Relations	H0211			X	X
0.5	Regional History	H0221			X	X
0.5	Law & You	H0203			X	X
0.5	Psychology	H0202			X	X
0.5	PSY 101 General Psych [HW]	H0260			X	X
1.0	AP Psychology [AW]	H0252			X	X
1.0	IB Psychology [AW]	H0254			X	X
0.5	SOC 100 Gen. Sociology Online [HW]	H0265			X	X
0.5	CJ 102 Intro to Criminal Justice Online [HW]	H0255			X	X

HW/AW = Honors/Advanced Weighted Class

** = With Permission Only

*** = Practical Art Credit

****Study Hall available with 5 weighted classes or with administrator permission.

Special Category Classes

Credit	Courses		9	10	11	12
1.0	Strategies for Literacy	H0117	X	X	X	X
1.0	Yearbook**	H0626	X	X	X	X
0.5	Library Science	H0890		X	X	X

Physical Education/Health - Graduation

Credit	Courses		9	10	11	12
0.5	Health (required for 9th grade)	H0805	X	X	X	X
0.5	P.E. (Men's) - full year required	H0851	X	X	X	X
	P.E. (Women's) - full year required	H0861				
0.5	Weight Training	H0870		X	X	X
0.5	Fitness for Life (females only)	H0863			X	X
0.5	Lifetime Activities	H0864			X	X

Mathematics 3-Graduation, 3-College Prep

Credit	Courses		9	10	11	12
1.0	Algebra I	H0311	X	X	X	X
1.0	Algebra IA[HW]	H0312	X			
1.0	Algebra II [HW]	H0352	X	X	X	X
1.0	Accelerated Algebra II A [HW]	H0357	X	X		
1.0	Geometry [HW]	H0351	X	X	X	X
1.0	Geometry A[HW]	H0350	X	X		
0.5	Statistics [HW]	H0358		X	X	X
1.0	AP Statistics [AW]	H0363		X	X	X
0.5	Trigonometry [HW]	H0355		X	X	X
1.0	IB Math I (HL) [AW]	H0318				X
1.0	IB Math Studies I (SL) [AW]	H0308			X	
1.0	IB Math Studies II (SL) [AW]	H035				X
1.0	IB Math SL I [AW]	H0309			X	
1.0	IB Math SL II [AW]	H0313				X
1.0	Pre-Calculus [HW]	H0353			X	X
1.0	AP Calculus [AW]	H0354			X	X
0.5	Consumer Math A (1 st Semester)	H0302				X
0.5	Consumer Math B (2 nd Semester)	H0303				X
0.5	Java I [HW]	H0618			X	X
0.5	Java II [HW]	H0619			X	X
1.0	AP Computer Science [AW]	H0359		X	X	X
0.5	MATH 114 College Algebra [HW]	H0360			X	X

Foreign Language

Credit	Courses		9	10	11	12
1.0	French I A [HW]	H0180	X			
1.0	French II A [HW]	H0185	X	X		
1.0	French III [HW]	H0186	X	X	X	X
1.0	IB French III (SL) [AW]	H0187	X	X	X	X
	IB French II (SL)	H0172				
1.0	French IV [HW]	H0184		X	X	X
1.0	IB French IV (HL) [AW]	H0177		X	X	X
	IB French IV (SL)	H0183				
1.0	French V [HW]	H0157			X	X
1.0	IB French V (HL) [AW]	H0179			X	X
	IB French V (SL)	H0188				
1.0	Spanish I A [HW]	H0195	X			
1.0	Spanish II A [HW]	H0196	X	X		
1.0	Spanish III [HW]	H0193	X	X	X	X
1.0	IB Spanish III (SL) [AW]	H0197	X	X	X	X
1.0	Spanish IV [HW]	H0194		X	X	X
1.0	IB Spanish IV (HL) [AW]	H0176		X	X	X
	IB Spanish IV (SL)	H0198				
1.0	IB Spanish V (HL) [AW]	H0175			X	X
	IB Spanish V (SL)	H0174				

Fine Arts 1 - Graduation

Credit	Courses		9	10	11	12
0.5	Art I	H0514	X	X	X	X
0.5	Art II	H0515	X	X	X	X
0.5	Drawing I	H0502		X	X	X
0.5	Drawing II	H0503		X	X	X
0.5	Visual Literacy & Design	H0510		X	X	X
0.5	Painting I	H0504		X	X	X
0.5	Painting II	H0505			X	X
0.5	Ceramics I	H0506		X	X	X
0.5	Ceramics II	H0508		X	X	X
0.5	Printmaking	H0521			X	X
0.5	Art History	H0518	X	X	X	X
0.5	Mixed Media	H0522			X	X
0.5	Portfolio Art (instructor placement)	H0512			X	X
1.0	IB Visual Arts (HL) [AW]	H0509			X	X
1.0	AP 2D Portfolio Art [AW]	H0516			X	X
1.0	AP 3D Portfolio Art [AW]	H0517			X	X
0.5	ART 101 Art Appreciation [HW] (Online)	H0529			X	X
	Drama					
0.5	Acting I	H0540	X	X	X	X
0.5	Acting II	H0541		X	X	X
0.5	Theatre Arts: Lighting & Sound	H0551	X	X	X	X
0.5	Theatre Arts: Scenery & Design	H0550	X	X	X	X
1.0	IB Theatre (HL) [AW]	H0554			X	X
0.5	SPTH 107 Intro to Theatre [HW]	H0555			X	X
	Music					
0.5	Music Theory	H0568			X	X
1.0	Symphonic Band (Instructor Placed)	H0560	X	X	X	X
	Concert Band (Instructor Placed)	H0565				
1.0	Bel Cantos	H0562		X	X	X
1.0	Choir - Men's (by audition only)	H0564	X	X	X	X
	Choir - Women's (by audition only)	H0561				
1.0	IB Music [AW]	H0567			X	X
1.0	IB Band [AW]	H0566			X	X
1.0	IB Choir [AW]	H0563			X	X

Non-Category Classes

Credit	Courses		9	10	11	12
	Guided Study Hall	H0006				
	Study Hall	H0007				
	CAI	H0005				
	Individual Investigation	H0885				
	A+ Tutor	H0978				
	Work Study	H0979				
	Horizons	H1000				

Practical Arts 1- Graduation

Credit	Courses		9	10	11	12
Business & Marketing						
1.0	Accounting I	H0950		X	X	X
1.0	Automated Accounting /QuickBooks [HW]	H0985				X
0.5	Business Law	H0603		X	X	X
1.0	Business Operations**	H0609			X	X
2.0	Cooperative Education	H0998				X
1.0	Entrepreneurship	H0931				X
1.0	Intro to Marketing	H0933		X	X	X
0.5	Leadership In Action	H0623		X	X	X
0.5	Computer Applications I, II, or III	H0616	X	X	X	X
0.5	Personal Finance	H0800			X	X
0.5	Sports & Entertainment Marketing	H0930		X	X	X
0.5	Web Design	H0612	X	X	X	X
0.5	ACCT101 Prin of Fin Acct Online [HW]	H0938			X	X
0.5	BSMT108 Prin Management Online[HW]	H0815			X	X
0.5	CIS 103 Intro to CIS On-Line [HW]	H0811			X	X
0.5	BADM107 Personal Finance Online [HW]	H0809			X	X
	Family & Consumer Science					
0.5	Career & Family Leadership	H0629	X	X		
0.5	Clothing & Costume	H0631	X	X	X	X
0.5	Advanced Clothing Construction	H0628		X	X	X
0.5	Family & Individual Health	H0630		X	X	X
0.5	Family Relations	H0632		X	X	X
0.5	Child Development	H0639		X	X	X
0.5	Parenting	H0633		X	X	X
0.5	Housing & Interior Design	H0634		X	X	X
0.5	Advanced Interior Design	H0635		X	X	X
0.5	Nutrition	H0650		X	X	X

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Industrial Technology

Credit	Courses		9	10	11	12
1.0	Principles of Engineering [AW]	H0666	X	X	X	X
1.0	Intro to Engineering Design [AW]	H0664	X	X	X	X
1.0	Mechanical Drafting	H0663	X	X	X	X
1.0	Computer Graphics	H0694	X	X	X	X
1.0	Digital Electronics [AW]	H0657		X	X	X
0.5	Home Maintenance	H0659	X	X	X	X
1.0	Civil Engineering & Arch. [AW]	H0669		X	X	X

Lake Career & Technical Center ** (LCTC)

Agriculture/Natural Resource Systems

9 10 11 12

2.0	Ag Power & Construction	H0942		X	X	X
2.0	Conservation of Natural Resources	H0974		X	X	X
2.0	Animal Science	H0947		X	X	X
1.0	Greenhouse Production	H0975		X	X	X
1.0	Intro to Agriculture	H0943	X	X	X**	
2.0	Livestock Operations & Management	H0940		X	X	X
2.0	Turf & Landscape Management	H0946		X	X	X
Arts & Communications						
2.0	Photography	H0915		X	X	X
2.0	Graphics	H0917		X	X	X
Health Services						
0.5	Intro to Health Care	H0928	X	X		
2.0	Medical Terminology--The Human Body	H0901		X	X	X
3.0	Health Occupations I	H0920			X	X
3.0	Health Occ. II/Clinical Experience	H0902				X
Human Services						
3.0	Culinary Arts	H0919			X	X
0.5	Exploring Culinary Careers	H0636	X	X		
2.0	Introduction to Culinary Arts	H0977		X	X	X**
1.0	Intro to Law Enforcement	H0991	X	X	X**	
2.0	Crime Scene Investigation/Law Enforcement	H0992		X	X	X
0.5	Intro to Teaching	H0981	X	X	X	
1.0	Foundations of Education	H0909		X	X	X
2.0	Teacher Education	H0918			X	X
Industrial & Engineering Technology						
2.0	Auto Diagnostics, Electronics & Engines	H0908		X	X	X
3.0	Automotive Technology	H0912			X	X
0.5	Pro-Auto Maintenance (Exploration)	H0924	X	X		
2.0	Collision Repair & Customizing Basics	H0910		X	X	X
3.0	Collision Repair Technology	H0911			X	X
1.0/2.0	Computer Repair & Networking	H0954		X	X	X
1.0	Game Design	H0916		X	X	X
1.0/2.0	SmartTech & TechMech	H0949		X	X	X
3.0	Building Trades	H0914			X	X
1.0	Woods Technology	H0661	X	X		
2.0	Woodworking & Cabinetmaking	H0926		X	X	
3.0	Marine Power & Extreme Sports Tech.	H0922			X	X
2.0	Power Sports Technology	H0921		X	X	X
3.0	Metal Fab (Welding & Machine Tool)	H0925			X	X
0.5	Intro to Power Sports & Power Equipment	H0976	X	X		
0.5	Transportation Careers	H0934	X	X	X	X

** with permission