

## GRADUATION REQUIREMENTS/CREDITS

The Board of Education of the Affton School District establishes the following graduation policy and instructs the administration to develop necessary procedures for proper implementation.

English	4	
Social Studies	3	(Must include 1/2 credit of American Government and 1 credit of US History)
Math	3	(4 years of math is recommended for college admission)
Science	3	
Practical Arts	½	(Business, FACS or Industrial Technology)
Personal Finance	½	
Fine Arts	½	(Art, Music, Speech, Film or Drama)
Speech/Drama	½	(Speech, Drama, Film or Theatre Arts)
Physical Education	1	
Health	½	
Electives	7 ½	
<b>TOTAL</b>	<b>24 credits</b>	

**Also need to have successful completion of the Missouri, U.S. Constitution tests as well as take the required End of Course tests in English 2, Algebra 1, Biology and American Government.**



NOTE: Foreign language is not required for an Affton High School diploma but 2-3 credits of foreign language are recommended for college admission

### EXCEPTIONS

- Graduation requirements, grading scales, and the class rankings for a student with a disability receiving special education services pursuant to the Individuals with Disabilities Education Act (IDEA) may be determined according to the student's Individualized Education Plan (IEP).
- Students transferring from another accredited Missouri school as a junior or senior who cannot reasonably complete the district's requirements may be permitted to graduate based on the successful completion of a program of studies that would have met the graduation requirements at the school formerly attended.
- Students who transfer from another state or country or an unaccredited private, public or home school and who are in the ninth grade will be required to meet all established graduation requirements. If such a student is placed in tenth grade or higher, the district will work with the student and parents to develop a program of studies that, if successfully completed, will result in graduation.
- Eligible students who successfully complete the Missouri Option Program and pass the HiSet test will be awarded a high school diploma and will have an Affton High School transcript that reflects their enrollment in the Missouri Option Program.

### DIPLOMAS

Students will be awarded either a diploma or certificate of attendance in accordance with this policy and as permitted by law.

Approved: March 19, 1996

Revised: 8/28/2008

The Affton School District issues a high school diploma upon the satisfactory completion of a program of study which consists of twenty-four (24) units of credit which the State of Missouri and the Affton Board of Education require. Affton School District recommends eight semesters of high school attendance. Students who have attained 24 units of credit may request early departure if they plan to attend a four-year college, attend a two-year college or technical school, enter the military service or work full time. Requests for early departure must be made a minimum of two weeks prior to the end of the seventh semester. Students failing to meet this deadline will have to request "special permission" to depart early. Under these circumstances, each request will be evaluated by the Principal. Students departing early without official permission will be excluded from the senior activities (prom, luncheon, and graduation ceremonies, etc.)

Students may earn credit for a high school diploma through regular high school courses or in connection with any of the following:

1. With prior approval of the Principal, units of credit may be earned in an accredited summer school program or district approved alternative high school program, (i.e. Scope or Management School).
2. With prior approval of the Principal, credit from correspondence courses or high school courses offered through an accredited night school or high school course offered by accredited schools providing internet, distance learning, or other electronic media courses may be accepted toward meeting diploma requirements. Costs of these courses may be the responsibility of the student.
3. Approved homebound teaching program. (1 unit maximum per semester)
4. Qualified students may earn up to four units of credit from Special School District's resource class.
5. Qualified students may earn up to four units of credit from ESL courses.
6. Students may earn two units of elective credit for participation in the University of Missouri Applied Music Program.

## GRADING SYSTEM



NOTE: The school year is organized on a semester basis with each semester divided into three, six-week grading periods. Report cards are issued at the end of each six-week period. Grades are cumulative. Grading periods are not averaged together to create the semester grade. Each grading period reflects the current total cumulative grade for that class. The third six-week grade report, with the final exam averaged in, results in the semester grade. Only the semester grade is entered on the student's permanent record.

### GRADING SCALE

		<u>REGULAR</u>	<u>WEIGHTED</u>		
A	93-100	4	4.5	AU	Audit: May be given for extenuating circumstances.
A-	90-92	3.667	4.167	MX	Medical Excuse: given in PE class for students who are excused from physical activity by a physician.
B+	87-89	3.333	3.833		
B	83-86	3	3.5	NC	NC may be received when a student retakes a class in order to earn a better grade. The lower grade of the 2 attempts is recorded as an NC on the transcript. (See Affton Board Policy 5122).
B-	80-82	2.667	3.167		
C+	77-79	2.333	2.833		
C	73-76	2	2.5		
C-	70-72	1.667	2.167		
D+	67-69	1.333	1.833		
D	63-66	1	1.5	I	Incomplete: Work must be completed at the end of ten school days or grade automatically reverts to an "F", unless time is extended by the Principal.
D-	60-62	0.667	1.167		
F	59 or below	0	0		

### WEIGHTED COURSES

Honors Advanced Art 3	Honors Band	Honors AP Calculus AB	Honors AP Psychology
Honors English I, II	Honors Orchestra	Honors AP Calculus BC	Honors Anatomy
Honors AP English Language	Honors Biology	Honors AP Statistics	
Honors AP English Literature	Honors Chemistry	Honors French II, III, IV	
Honors Geometry	Honors Topics in Physics	Honors Spanish II, III, IV	
Honors Algebra II/Trigonometry	Honors AP Biology	Honors Advanced Theatre Arts	
Honors Pre Calculus	Honors American Government	Honors Advanced Creative Film	
Honors AP US History	Honors World History I, II, III	Honors AP Physics	
Honors AP Government/Politics			

## CALCULATING GRADE POINT AVERAGE (G.P.A.)

The grade-point average is computed by adding the grade-point values of the student's semester grades in courses and dividing by the number of units carried. All subjects are included except for subjects graded on a pass/fail or audit basis.



- Step 1: Using the grading scale, calculate and add grade points for classes  
 Step 2: Divide total grade points earned by number of classes taken

Example: **Non weighted classes**

	<u>Grade</u>	<u>Grade Points</u>
Class #1	B	3
Class #2	C	2
Class #3	A-	3.667
Class #4	B	3
Class #5	B	3
Class #6	A	4
Class #7	C+	2.333
<b>Total</b>		<b>21</b>

21 points divided by 7 classes = **GPA of 3.0**

Example: **Weighted classes**

	<u>Grade</u>	<u>Grade Points</u>
Class #1	B	3.5
Class #2	C	2.5
Class #3	A-	4.167
Class #4	B	3.5
Class #5	B	3.5
Class #6	A	4.5
Class #7	C+	2.833
<b>Total</b>		<b>24.5</b>

24.5 points divided by 7 classes = **GPA of 3.5**

## EARNING CREDIT

1. The superintendent or designee is directed to assign credit values for courses offered by or through the school district and to develop formulas and procedures for awarding credit to transfer students who transfer from a district that uses a different standard for awarding credit.
2. The Affton School District recognizes units of credit obtained through correspondence courses or courses delivered primarily through electronic media (such as satellite video, cable video, or computer driven or online courses) from a school accredited by the North Central Association of Colleges and Schools or its equivalent regional accrediting agency.
3. Students attending middle school will earn high school credit by successfully completing Algebra I or Honors Algebra I and French 1, Spanish 1 or Honors French 1 or Spanish 1 prior to entering the ninth grade. This high school credit will be counted toward meeting the math or elective subject area graduation requirement. Grades earned will be recorded on a student's high school transcript.
4. Juniors and seniors can, upon approval, earn both high school and college credit for some coursework under some circumstances. Generally, such arrangements fall into two types: arrangements in which advanced high school courses are taught on the high school campus by teachers designated as adjunct instructors by a college or university, and arrangements in which high school students leave the high school campus and attend college classes for part of the day.
5. Students taking instruction from private music teachers, provided that the University of Missouri Applied Music Program credentials the teacher, may earn credit in music, if the instruction meets the standards of that program, and the student passes the applied music examination available under the University of Missouri Music Program. Applied music credit may not substitute for the unit of fine arts required for graduation but may be counted as elective credit.
6. Students participating in the Missouri Option program must satisfy state and Affton Board of Education requirements as they relate to the Missouri Option Program, in order to graduate. (see page 10)
7. A certificate of attendance may be awarded if the IEP team determines a student is unable to meet standard graduation requirements due to an identified disability.
8. Students may earn credit by other means approved by the Board of Education in accordance with the law.

## GRADE SUPPRESSION/REPLACEMENT

The Affton Board of Education recognizes that high school students may need to repeat a course to increase their understanding of the course content. Students may petition the Principal for consideration to repeat a course. The Principal must review the petition and provide written permission for the student to retake the course. Upon receiving permission, the student may repeat the course. When a higher grade is received, the lower grade shall be suppressed on the transcript and from cumulative grade point average calculations. The repeated course must be taken at Affton High School or in an approved school program. If the student is repeating the course at a school or program other than Affton High School, they will need prior approval to guarantee that the grade will be replaced. This may not apply to courses taken through SCOPE, other districts, correspondence, etc. Students repeating courses in other programs that are not considered for replacement grades will continue to have both grades displayed on the transcript and both will be included in cumulative grade point average calculations.



Students must retake an identical course to qualify for grade replacement. For example, a grade from a Geometry course would not qualify to replace a grade from an Honors Geometry course.

## AFFTON ATHLETIC ELIGIBILITY

Students must meet the following criteria to be eligible to participate in interscholastic athletics and extracurricular activities:

- Have passed a minimum of six courses in the term previous to the semester in which their sport is in
- Be enrolled in a minimum of six courses and have a minimum GPA of 1.5 in the previous term of their current semester.
- If currently a 9th grader, that student must have been promoted to high school prior to the beginning of the school year
- Exception: a student enrolled in a full course at his/her level in a special education program approved by the Missouri Department of Elementary and Secondary Education which enrolls pupils of equivalent age provided that student has made standard progress for his/her level during the preceding semester

A student who was academically ineligible the preceding semester becomes eligible the 5th day classes are attended in the succeeding semester provided they have met the academic standards stated above. Credit earned or completed after the close of the semester will not count as having been earned that semester, except in the case of a delayed final examination because of illness verified by a physician. Students not eligible may practice with teams while they are working on improving their academic status but are recommended to attend after-school study halls which are available four times a week. **\*In determining eligibility, GPA will be calculated at six-week intervals, matching Affton High School's grading terms.**



**NOTE: Do not drop courses without first consulting with your school principal, athletic administrator Dan Oliver at 633-0016 or [doliver@afftonschools.net](mailto:doliver@afftonschools.net) or counselor to determine whether it will affect your eligibility.**

## COLLEGE ATHLETIC ELIGIBILITY

4-year colleges are members of one of two possible athletic organizations: the NCAA or the NAIA. Divisions within both organizations vary. Athletic programs large in scope are typically Division I; smaller ones are Division II. NCAA Division III colleges are designated as such because they are not allowed to offer athletic scholarships. High school students interested in participating in college athletics are encouraged to register on-line with either organization during their junior year. Registration fees are \$65.



National Collegiate Athletic Association (NCAA) website is [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

### **National Collegiate Athletic Association (NCAA)**

Sixteen credits of high school core courses are required for eligibility to participate in NCAA Division I, II & III athletic programs.

Additionally, a cumulative grade point average in the required core credits as well as ACT or SAT score requirements are necessary for eligibility. Sliding scales listing exact gpa and ACT/SAT requirements are available at: [www.ncaa.org](http://www.ncaa.org)

Core Area	Division I	Division II*
English	4 Years	3 Years
Math	3 Years (Alg 1 or Higher)	2 Years (Alg 1 or Higher)
Science	2 Years	2 Years
Social Science	2 years	2 Years
Additional	1 year of English, math or science	3 years of English, math or science
Additional	4 years of additional courses from any area above, foreign language or comparative religion/philosophy	4 years of additional courses from any area above, foreign language or comparative religion/philosophy

\* Required as of August 1, 2013

### **National Association for Intercollegiate Athletics (NAIA)**

High school students must meet two of the three criteria listed below to be eligible for athletic participation at NAIA colleges:

- Achieve a minimum score of 18 on the ACT or 860 on the SAT
- Achieve a minimum cumulative (overall) high school grade point average of 2.0 on a 4.0 scale
- Graduate in the top half of their high school class

<http://playnaia.org/>

College	Athletic Affiliation
Central Methodist College	NAIA
Univ. of Central MO	NCAA II
Columbia College	NAIA I
Drury University	NCAA II
Fontbonne Univ	NCAA III
Lindenwood Univ	NCAA II
Maryville Univ	NCAA II
McKendree Univ	NCAA II
Missouri Baptist Univ	NAIA
Missouri State Univ	NCAA I
MO Univ of Science & Tech	NCAA II
Northwest MO State Univ	NCAA II
Rockhurst Univ	NCAA II
Saint Louis Univ	NCAA I
Southeast MO State Univ	NCAA I
SIU-Edwardsville	NCAA I
Stephens College	NAIA
Truman Univ	NCAA II
Univ of MO Columbia	NCAA I
Univ of MO Kansas City	NCAA I
Univ of MO St Louis	NCAA II
Washington Univ	NCAA III
Webster Univ	NCAA III
Westminster Univ	NCAA III
William Woods Univ	NAIA

NCAA ACT SCHOOL CODE= 9999

NAIA ACT SCHOOL CODE = 9876

The following Affton courses have been recognized as meeting NCAA requirements:  
(\*NCAA counts 1/2 credit for full year)

American Lit	American Govt & Honors	Alg 2/Trig & Honors	Human Anatomy	Biomedical Innovation
Contemporary Authors	Contemporary Issues	Algebra 1	Biology & Honors	Medical Interventions
Creative Writing	Psychology	AP Calculus	Chemistry & Honors	Human Body Systems
English 1, 2 & Honors	Sociology	College Algebra	Topics in Physics & Honors	Principles of Engineering
AP English Lang	AP Govt/Politics	Geometry & Honors	French 1, 2 & Honors 2,3,4	AP Psych
AP English Lit	US History & Honors	Hon Pre-Calculus	Spanish 1, 2 & Honors 2,3,4	AP Biology
Lit through Film	Algebra 1A*	AP Statistics	World History 1, 2, 3 & Hon	Forensic Science
Other Voices	Algebra 1B*	Honors Physics	Principles of Biomedical Sci	Zoology

### **EFFECTIVE FALL 2016: Division one changes**

1. Increase the minimum required core-course GPA from 2.0 to 2.3
2. 10 of the 16 required core courses must be completed before the beginning of the 7th semester. **a)** Seven of these 10 required courses must be English, math or natural/physical science. **b)** A repeat of one of the "locked in" courses will not be used if taken after the 7th semester begins.
3. Increase in the overall core-course GPA as it relates to the ACT or SAT score, Which results in a new sliding scale.

## A+ PROGRAM

The A+ Schools program is a school improvement initiative established by the Outstanding Schools Act of 1993 designed to raise academic standards, open new doors to higher education and introduce students to the teaching profession through tutoring and activities. The key goal of the A+ program is to assure that all students, when they graduate, are well prepared to pursue advanced education, employment or both. **Students who graduate from an A+ school may qualify for state-paid assistance to attend any public community college or technical school (State Technical College of Missouri or Partial tuition Ranken) in the state for up to completion of 105% of hours required for enrolled program. Affton students can have four years to complete two full-time years at a community college or A+ supported vocational / technical school. The tuition incentives will be available only after the student has made a documented good faith effort to first secure all available federal postsecondary student financial assistance funds that do not require repayment.**

### STUDENT ELIGIBILITY REQUIREMENTS

- Attend a designated A+ high school for three (3) years immediately prior to graduation. If a parent is a member of the military on active duty or has retired from the military and relocated to Missouri within one year of their retirement, students are exempt from this requirement. However, students must attend an A+ designated high school and meet all of the other high school eligibility requirements in the school year immediately preceding graduation.
- Have a grade point average of 2.5 or higher on a 4.0 scale (unweighted & unrounded)
- Have at least a 95 percent attendance record over a four-year period. Any student appropriately counted for average daily attendance will be considered as in attendance, whether physically present or not. (unrounded)
- Perform 50 hours of unpaid tutoring or mentoring of which up to 25% may include job shadowing
- Maintain a record of good citizenship and avoid the unlawful use of alcohol and drugs, as defined by district policy.
- Beginning with the high school senior class of 2015, have achieved a score of proficient or advanced on the Algebra I or higher level math End of Course, or a qualifying ACT math score, or a qualifying compass math score. Students who do not meet this requirement prior to high school graduation may qualify with a qualifying ACT math or COMPASS score for a test taken after high school graduation.

### HOW AND WHEN TO APPLY

See Mrs. Allen in her office located next to Room 37 for an application form and sign an A+ agreement. Joining A+ can happen at any time up to the third Wednesday in September of the senior year as long as the student realizes that he/she must have sufficient time to complete the student eligibility requirements, specifically the completion of 50 hours of tutoring activities. Typically, the vast majority of students will want to sign their agreement form and get started with the tutoring and mentoring activities immediately upon the beginning of the second semester of freshmen year. A student may, however, sign up at any time and begin working to meet the student eligibility requirements.



NOTE: A+ funding is contingent on funding by the State of Missouri

For more information contact:



Marilyn Allen email her at [mallen@afftonschoools.net](mailto:mallen@afftonschoools.net)  
A+ Coordinator call her at 314-633-5985

#### Missouri Colleges that offer support for A+ students

Central Methodist University	Missouri Western State University	Missouri Southern State University
Culver Stockton College	Northwest Missouri State University	Missouri Tech
Drury University	Park University	Missouri Valley College
Fontbonne University	Rankin Technical College	Stephens College
Hickey College	Rockhurst University	Truman State University
Kansas City Art Institute	Southeast Missouri State University	Webster University
Lindenwood University	William Woods University	

### PRESIDENT'S AWARD FOR EDUCATIONAL EXCELLENCE

This award is designed to encourage students to achieve their full academic potential. Students must complete criteria indicated below:

1. Attain a B+ average or equivalent, accumulated over grades 9, 10, 11 and first semester of grade 12. The B+ average is defined as equivalent to 3.5 on a 4.0 scale.
2. Receive a score in the 11th and 12th grade, placing the student at or above the 80th percentile on any nationally recognized standardized achievement test battery or any nationally standardized college admissions examination such as SAT or ACT.



# COLLEGE CREDIT

## 1. ADVANCED COLLEGE CREDIT

Advanced College Credit provides an opportunity for qualified high school juniors and seniors to begin experiencing the academic rigors of college course work. In addition to receiving credit toward high school graduation for selected academic courses, students can earn college credit.

Aftton High School offers advanced college credit through St. Louis University 1818 program, Missouri State Dual Credit Program, University of Missouri St. Louis Advanced Credit program, and Fontbonne University. The programs are controlled entirely by the university offering the credit. Courses currently offered for Advanced College credit may change before the beginning of the school year due to changes in the university's program policies and staffing changes. There is no guarantee that credit will be available until after the school year begins and courses have been certified by the university.

Students who meet registration requirements, course prerequisites, tuition payment deadlines, and successfully complete the course, receive graded course credit which appears on a transcript from the university. If a student takes multiple courses, all courses and grades will appear on the transcripts. Students will also receive high school credit for courses passed and all course grades will be reported on the high school transcript. When applying to colleges, students will need to send both an Aftton High School transcript and transcripts from advanced college credit universities. The university transcripts must be requested directly from the university.

To earn advanced college credit, students must meet the requirements as determined by the Missouri Department of Higher Education.

**Below is a list of current AHS courses that are available for advanced credit**

<u>Aftton Course</u>	<u>Semester</u>	<u>University</u>	<u>Course Number/Title</u>	<u>Credits</u>
AP English Language	Fall	SLU	ENGL 1500: Process of Composition	3
	Spring	SLU	ENGL 1900: Advanced Strategies of Rhetoric and Research	3
AP English Literature	Fall	SLU	ENGL 2300: Introduction to the Novel	3
	Spring	SLU	ENGL 2020: Introduction to Literary Studies	3
AP US History	Fall	SLU	HIST 2600: History of the US to 1865	3
	Spring	SLU	HIST 2610: History of the US since 1865	3
AP American Gov and Politics	Spring	SLU	POLS 1100: American Politics	3
Honors French 3	Spring	SLU	FREN 1100: Communicating in French 1	3
Honors French 4	Fall	SLU	FREN 1150: Communicating in French 2	3
	Spring	SLU	FREN 2100: Intermediate French: Language and Culture	3
Honors Spanish 3	Spring	SLU	SPAN 1100: Communicating in Spanish 1	3
Honors Spanish 4	Fall	SLU	SPAN 1150: Communicating in Spanish 2	3
	Spring	SLU	SPAN 2100: Intermediate Spanish: Language and Culture	3
Honors Adv Theatre Arts	Fall/Spring	SLU	THR 1000: Approaching the Arts: Theatre	3
Accounting	Fall/Spring	MO State	ACC 109: The Accounting Cycle	1
Microsoft Office	Fall/Spring	MO State	CIS 101 Computers for Learning	2
Personal Finance	Fall/Spring	MO State	FIN 150 Personal Finance	3
Marketing 1	Fall/Spring	MO State	MKT 150 Marketing Fundamentals	3
AP Biology	Fall	UMSL	Biology 1012: General Biology	3
			Biology 1013: General Biology Laboratory	2
Bosnian American Studies		Fontbonne		3
Honors ACP Anatomy	Fall	UMSL	BIOL1131: Human Physiology and Anatomy 1	4
Aerospace Engineering	Fall/Spring	STLCC	GE 151: Intro to Aerospace Engineering	3
Civil Engineering & Archit	Fall/Spring	STLCC	CE 151: Intro to Civil Engineering	3
Engineering Design & Dev	Fall/Spring	STLCC	GE: 122: Engineering Design and Development	3
Biomedical Innovations	Fall/Spring	STLCC	BI 104: Basic Lab Methods for Biotechnology	3
College Algebra	Fall	STLCC	MTH 140: Intermediate Algebra	3

**Please keep in mind that the university deadlines are not the Aftton High School deadlines. *If students miss the regular registration deadline, additional fees may apply.* Saint Louis University limits a student to take no more than three 1818 courses in a semester. Saint Louis University limits a student to earn no more than thirty (30) hours.**

These courses are dual credit college courses. Students may choose to take the courses for college credit, or simply for credit towards high school graduation. Regardless of the choice the student makes, the course rigor and expectations are designed as a college course, and compare to the rigor and expectations placed on students enrolled in the same course on the college campus.



NOTE: for more information contact Erica VanBuren, 1818 Coordinator at 314-633-5937 or [evanburen@afftonschoools.net](mailto:evanburen@afftonschoools.net) or Marilyn Allen, ACP Coordinator at 314-633-5985 or [mallen@afftonschoools.net](mailto:mallen@afftonschoools.net)

## 2. ADVANCED PLACEMENT (AP) COURSES

Advanced Placement (AP) courses give students the opportunity to earn credit or advanced standing at most of the nation's colleges and universities. AP courses are more challenging and stimulating than regular high school classes. AP courses explore subjects in greater depth, give greater opportunity for individual accomplishment, take more time and require more work. To earn AP credit, a student must take the AP exam at the end of the spring semester. The student cost for taking an exam is \$91. A score of 3, 4 or 5 can qualify a student for college credit. High school credit will be awarded in any case, based on the semester course grades (note: a grade of "F" will receive no credit). Students are encouraged to check with each institution they are interested in attending to find out specifically which dual credit and AP courses will be accepted.

Hon AP US History	Hon AP Psychology	Hon English Language	Hon AP Calculus AB	Hon AP English Literature
Hon AP Biology	Hon AP Statistics	Hon AP Physics 1	Hon AP Calculus BC	Hon AP Amer Govt/Politics



NOTE: for more information contact Jane Bohn, AP Coordinator 314-633-5952 or [jbohn@afftonschools.net](mailto:jbohn@afftonschools.net) or [www.collegeboard.com](http://www.collegeboard.com)

## 3. PROJECT LEAD THE WAY (PLTW) COLLEGE CREDIT PROGRAM

PLTW classes are nationally standardized project-based courses that prepare students for college-level work and culminate with a student assessment, which colleges and universities can use to determine if a student earns college credit. College credit is available at an additional fee, fees are determined by the post secondary institution. The following are ways in which we see post-secondary institutions articulation with PLTW (some institutions, define these terms differently, so please verify before making assumptions).

### **Course Substitution Credit**

PLTW course substitutes for a program course. Treated similar to AP or transfer credit.

### **Advanced Standing Credit**

PLTW course eliminates the need for an elective course; or gives them no course credit, but gives them credit to advance their class standing (i.e. early registration, parking preferences, early financial assistance increase due to reaching junior status quicker).

### **Partial Course Credit**

Grant partial credit for a course, thus reducing the tuition to the student not the time.

### **Bridge Courses**

Course designed specifically to fill any gaps between the PLTW courses and related program courses.

### **Retro-Credit Model**

Students that successfully complete a higher level course in a sequence are granted program credit for a prerequisite.

### **Test-out or Challenge Exam**

Students are allowed to sit for a challenge exam, which upon successful completion will give them credit for the program course.



For more information, download the PLTW college Level Recognition Guide. ([www.pltw.org](http://www.pltw.org))

PLTW Engineering Dual Credit (must have an 80% or higher and a 6 or higher on the EOC)

**Missouri S&T:** complete IED and POE: Interdisciplinary Engineering 20 (Required of all freshmen engineering students)

**University of Central Missouri:** IED: CTE 1300 Introduction to Engineering Design

POE: ENGT 1000 Principles of Engineering

**St. Louis Community College:** CEA: CE 151 Introduction to Civil Engineering

AE: GE 151 Introduction to Aerospace Engineering

EDD: GE 122 Engineering Design and Development

BI: BI 104 Basic Lab Methods for Biotechnology

PLTW Biomedical Dual Credit (Must have an 80% or higher and a 6 or higher on the EOC)

**Missouri S&T** PBS: BIO 144 Introduction to Human Anatomy and Physiology I

HBS: BIO 146: Introduction to Human Anatomy and Physiology II

MI: BIO 188 Introduction to Biomedical Problems

BI: BIO 175 Introduction to Biological Innovation



#### **4. ARTICULATED COLLEGE CREDIT**

Articulated college credit is free college credit earned while a student is in high school. Articulated credit can be applied at St. Louis Community College towards an Associate in Applied Science degree or certificate program. This credit is not awarded for Associate in Arts Transfer degrees. Student must contact a CTE transition specialist on the campus of your choice to receive the credit.

<b>Affton Course</b>	<b>Articulated course</b>	<b>Related Program of Study</b>	<b>Hours</b>
College Algebra	MA 140 Intermediate Algebra		3
Web Design	IS 129 HTML	Information Systems	1
Accounting	ACC 100 Applied	Accounting	3
Microsoft Office	IS 151 Microcomputer Applications in Business	Information Systems	4
Child Development 1 & 2	ECE 125 Child Growth and Development	Early Care and Education	3
IED	EGR 147 Introduction to Engineering Design	Manufacturing Technology	3
POE	GE 121 Principles of Engineering	Manufacturing Technology	3
CEA	CE151 Introduction to Civil Engineering & Architecture	Manufacturing Technology	3
EDD	GE 122 Engineering Design and Development	Manufacturing Technology	3
Foods and Nutrition 1 & 2	Credit by examination	Culinary Arts	varies

#### **5. DUAL ENROLLMENT St. Louis Community College**

Dual enrollment allows students to get a head start on their college career while still in high school by taking classes at St. Louis Community College. High school credit may be awarded for some dual enrollment courses.

**Requirements:**

1. Junior or Senior with a GPA of 2.0 or higher
2. Permission from your Counselor
3. Complete an application and have a high school transcript sent to the admissions office at the location of your choice
4. Schedule an appointment with an admissions coordinator at the location of your choice
5. Take the entry assessment test at St. Louis Community College

## PREPARATION FOR COLLEGE

Students planning to attend college should plan their high school courses with the following goals in mind:

1. To gain admission to the school of their choice.
2. To do successful work in college after they have been admitted.

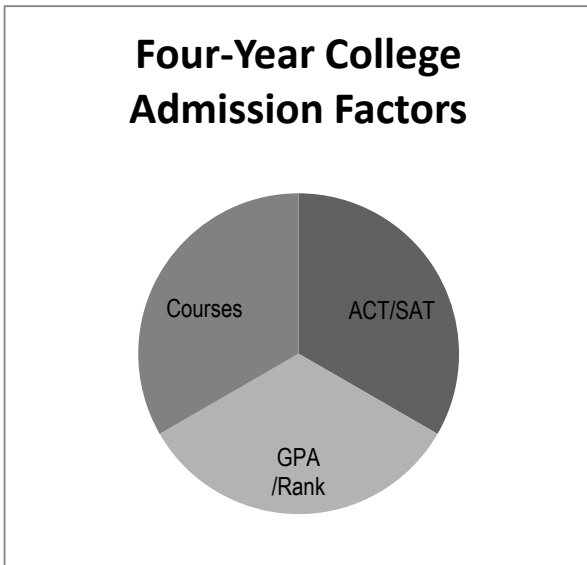
The second goal is often overlooked, but it is equally as important as the first. If students cannot compete successfully with their college classmates, it does them little good to have gained admission. In making their choices of colleges, therefore, students should consider not only the entrance requirements but also the academic standards.

The most selective admissions standards will be found at colleges and universities throughout the country where a long tradition of academic excellence has been established. Since these colleges and universities have the most selective admission policy and have more applicants than they can admit, they can require a high rank in class, superior scores on entrance tests, and a highly academic high school program. There are, however, many colleges and universities with more liberal entrance policies and with programs of study geared to students of differing abilities who have need and desire for a college education. Admission is determined by the student's high school rank, GPA, college admission test scores and successful completion of college preparatory courses

The St. Louis Community Colleges will admit all high school graduates. However, students must qualify for college-level courses by taking the Compass Test, a free untimed, computerized placement test. Source: stlcc.edu



**NOTE:** Students who plan to attend college should consult the web sites or catalogues of the school in which they have an interest, in order to obtain more specific recommendations. The use of the internet and other computer programs is recommended. As college admissions become more competitive, it is important that applicants be well prepared in the academic areas.



	<u>ACT</u>	<u>SAT</u>
<b>Test length:</b>	3 hours 25 minutes	3 hours 45 minutes
<b>Test Structure:</b>	1 English, 1 Math, 1 Reading, 1 Science	3 Critical Reading, 3 Math, 3 Writing
<b>Reading:</b>	Reading Comprehension - 4 passages with 10 questions per section	Critical Reading - 50 Reading Comprehension questions and 17 Sentence Completion questions
<b>Math:</b>	Arithmetic, Algebra, Geometry, Algebra 2, and Trigonometry Analysis Interpretation	Arithmetic, Algebra, Geometry, and Algebra 2
<b>Science:</b>	Analysis, interpretation, evaluation, basic content, and problem solving	Science not included
<b>Essay:</b>	Last thing you do (optional) Not included in final score ( 30 minutes)	First thing you do factored in overall score (25 minutes)
<b>Scoring:</b>	Composite score of 1-36 based on average of scores from 4 subjects	Total score of 600-2400 based on adding scores from 3 subjects
<b>Wrong Answer Penalty:</b>	No penalty for wrong answers	1/4 point subtraction for each wrong answer
<b>Sending Score History:</b>	You decide which composite score is sent.	You have the option to decide which total score is sent.
<b>Test Contact Information:</b>	ACT, Inc. 1-319-337-1000 actstudent.org	The College Board 1-866-756-7346 collegeboard.com

- Other factors which can affect college admission**
- Recommendations
  - Extra-Curricular and Leadership Activities
  - Number of Honors and /or College Credit Courses
  - Pattern of Strong / Challenging Courses

## Example: Admission Standards of Four Missouri Colleges

College	Location	Private/Public	ACT	GPA
Fontbonne University	St. Louis	Private	20	2.5
Missouri State University (Sliding scale of ACT & GPA)	Springfield	Public	24 18	2.5 3.5
Southeast MO State Univ : Option 1	Cape Girardeau	Public	21	2
Option 2			18	2.5
Univ of Missouri	Columbia	Public	Avg = 25	

## RECOMMENDED HIGH SCHOOL CORE CURRICULUM

The coordinating board for higher education has approved a minimum recommended 16 unit core curriculum requirement for admission to all public four-year colleges and universities. The recommended core curriculum is:

English – 4 units	Science – 3 units
Mathematics – 4 units (algebra or higher)	Visual/Performing Arts – 1 unit
Social Studies – 3 units	Electives – 3 (2-3 years of a foreign language is recommended)

## HIGH SCHOOL COURSE REQUIREMENTS FOR THE UNIVERSITY OF MISSOURI SYSTEM

Four (4) units of English
Four (4) units of mathematics (algebra or higher)
Three (3) units of science (not including general science) Must be laboratory courses and units from at least two of the following: Physical science, biology, physics, chemistry, and earth science.
Three (3) units of social studies
One (1) unit of fine arts, to be taken in visual arts, music, dance or theatre
Two (2) units of a single foreign language

## SCHOLARSHIP PLANNING

These are helpful hints for students hoping to be awarded scholarships from the government, colleges, universities, organizations and businesses. Most scholarships require all or almost all of the following:

High SAT or ACT score	Community activities	Strong academic classes
High GPA and rank in class	Employment	School activities
Essay	Recommendations from teachers, administrators, other adults	

## NAVIANCE FAMILY CONNECTIONS

Naviance is a comprehensive website that students and parents can use to help in making decisions about college and careers. Features include interest inventories to match students with possible careers and a searchable database of career information including work activities, education and training, and wages. Naviance also aids in the college search process by allowing students to search for schools based on criteria that are most important to them. Students can keep a list of prospective schools, as well as track applications. The website also includes a list of local scholarships updated by the guidance office and a national scholarship search to help students pay for college. Both students and parents have access to Naviance, see your counselor for details.



NOTE: For additional information:  
[www.connection.naviance.com/affton](http://www.connection.naviance.com/affton)



## MISSOURI OPTION PROGRAM

"The Missouri Option is designed to target students who have the capabilities to complete Missouri high school graduation requirements, but for a variety of reasons lack the credits needed to graduate with their class and are at risk of leaving school without a high school diploma. The program specifically targets those students who are 17 years of age or older and are at least one year behind their cohort group or for other significant reasons identified in the Missouri Option Program plan. The Missouri Option Program began during the 2002-2003 school year. To offer this program, local schools must meet requirements established by the GED Testing Service and the Missouri Department of Education. Participation is voluntary for schools and students."

(Source: The Missouri Department of Elementary and Secondary Education website)



NOTE: The DESE website has additional information:  
[http://dese.mo.gov/divcareered/Missouri\\_option\\_about.htm](http://dese.mo.gov/divcareered/Missouri_option_about.htm)

Students who successfully complete the Missouri Option Program are eligible to earn their high school diploma, graduate with their cohort class and participate in the Affton High School graduation ceremony.

To qualify for admission to the Program, students must meet the following criteria:

- Have passed the TABE Test (HiSET pre-test)
- Age 17
- Currently employed & working a minimum of 15 hours per week
- At least one year behind cohort for graduation

Students must do the following to complete the Option Program and earn their high school diploma:

1. Earn 7.5 credits of the following required coursework:

English 1 credit*	Physical Education 1 credit
Math 1 credit*	Fine Arts 1 credit
Science 1 credit*	Personal Finance .5 credit
Social Studies 1 credit	Health .5 credit
American Government .5 credit	

**\* Due to End of Course Exams, tests must be taken in these subjects:**

English 2, Algebra 1, Govt and Biology

2. Attend HiSET prep classes during the school day for a half-day at Affton High School
3. Provide proof of employment for a minimum of 15 hours per week until graduation of student's cohort class
4. Complete 10 hours of community service
5. Pass all sections of the HiSET Test



NOTE: Students earning a high school diploma through the Missouri Option program are eligible for admission to community colleges. St. Louis Community College requires all admitted students to take the Compass Test to determine placement in classes. Students are exempt from the Compass English Test if they have a minimum composite score of 18 on the ACT English and Reading Subtests, and are exempt from the Compass Math test if they have a minimum ACT math score of 23. For more information:  
[http://www.stlcc.edu/Admissions\\_and\\_Registration/Getting\\_Started/COMPASS/Index.html](http://www.stlcc.edu/Admissions_and_Registration/Getting_Started/COMPASS/Index.html)



**Affton students who complete the Option program cannot receive their high school diploma until their cohort class graduates.**



**For more information contact Jeff Remelius, Director of Academic Options at 314-638-6330 or [jremelius@afftonschoools.net](mailto:jremelius@afftonschoools.net).**

# VIRTUAL & ONLINE LEARNING

Virtual Learning allows Affton High School to:

- Expand the range of courses and opportunities offered to students
- Offer courses for students where there are no qualified teachers to teach the course
- Offer students a course not offered by their school
- Provide courses for students who have schedules that prevent them from taking a course when it is offered
- Present high quality instruction to students who are in alternative education settings or on home and hospital instruction
- Provides additional support and extended time for students who failed to achieve in regular courses

Beginning with the class of 2010, Missouri increased the number of credits required for graduation (22 to 24). Likewise, both state and federal accountability measures have increased in regards to graduation rates and achievement. As a result, schools across the state have found it beneficial to use virtual instruction programs as a means of accommodating the needs of students, many of which match the points outlined by above. In addition to the points above, virtual learning opportunities in high school will also help prepare Affton students for the future, as virtual learning is a skill that is fast becoming an expectation of career and college ready students

## Who should take online courses?

Students who choose to take online courses must be independent learners, goal-oriented, and persistent, while also demonstrating proficiency in reading and basic computer skills. Students are expected to take responsibility for the learning process which will require setting a schedule and sticking to it so that deadlines are met and the course is completed in the appropriate timeframe.

## How will online courses fit into a student's schedule?

Students will have two options in regards to how an online course might fit into their schedule.

Option #1: The online course will be scheduled into a period that occurs during the traditional school day (i.e. periods 1-7).

Option #2: The online course will be in addition to the courses taken during the traditional school day (i.e. the student completes the course at home, outside of periods 1-7).

## When do students need to finish online courses?

Courses that are worth 0.5 credits need to be finished by the end of the semester and courses that are 1.0 credits are divided into two semesters that must be completed by the end of the corresponding semester. Students should plan and pace themselves to finish on or before the end of the semester. If a student finishes prior to the end of the semester they will not be able to begin another online course for credit during that same semester time slot however, the student could begin working on a course for the next semester and/or use the time to work on other traditional courses they are taking that semester.

## Credit Recovery Online Courses

Students should make an appointment with their counselor to discuss the course options that meet their needs.

## Credit Advancement Online Courses

Online credit advancement course offerings currently include those listed below however, other choices may emerge so students should check with their counselor for the latest information.

ACT Prep	COMPASS Prep	Environmental Science	German 1
Art History	Cooperative Career Ed.	AP Environmental Sci.	Latin 1
AP Art History	Digital Photography	Forensic Science	Personal Finance
Astronomy	Earth Science	Game Design	Veterinary Science
Mandarin (Chinese) 1	Economics	Geography	



For more information contact Jeff Remelius, Director of Academic Options at 314-638-6330 or [jremelius@afftonschoools.net](mailto:jremelius@afftonschoools.net).

## PROJECT LEAD THE WAY (PLTW) Pre Engineering and Pre Medical Programs

(Source: Project Lead the Way Website)

"Project Lead the Way (PLTW) prepares students to be the most innovative and productive leaders in Science, Technology, Engineering, and Mathematics (STEM) and to make meaningful, pioneering contributions to our world. PLTW partners with middle schools and high schools to provide a rigorous, relevant STEM education. Through an engaging, hands-on curriculum, PLTW encourages the development of problem-solving skills, critical thinking, creative and innovative reasoning, and a love of learning. The PLTW middle and high school STEM educational programs give students a brighter future by providing them with a foundation and proven path to college and career success in STEM-related fields. STEM education is at the heart of today's high-tech, high-skill global economy. For America to remain economically competitive, our next generation of leaders must develop the critical-reasoning and problem-solving skills that will help make them the most productive in the world. PLTW sparks the ingenuity, creativity, and innovation within all of our students.

Project Lead the Way (PLTW) is a four year sequence of courses which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering & medical curricula prior to entering college. However, those not intending to pursue further formal education will benefit greatly from the knowledge and logical thought processes that result from taking some or all of the courses provided in the curriculum. Students can earn college credit for all Project Lead the Way courses.



For selection into PLTW Engineering program, a separate application is required. Science and math grades, attendance, discipline, teacher and counselor recommendations, and acquity scores are considered for acceptance into both programs. Students in the PLTW Engineering must be also be enrolled in college preparatory math courses. Students in the PLTW Biomedical must be also be enrolled in college preparatory math and science courses. For more information [http:// www.pltw.org](http://www.pltw.org)

A sample 4-year plan for PLTW Engineering students:

9th grade	10th grade	11th grade	12th grade
Hon English 1 Hon Geometry Hon Topics in Physics Hon World History 1 & 2 French/Spanish 1 or 2 <b>Intro to Engineering</b> PE/Health	Hon English 2 Hon Algebra 2 Hon Chemistry Hon World Hist/Am Govt Hon French/Spanish 2 or 3 <b>Principles of Engineering</b> PE 2/Speech or Drama	Hon AP English Language Hon Pre-Calc Hon Biology Hon AP US History Hon French/Spanish 3 or 4 <b>Civil Engineering and Architecture or Aerospace Engineering</b> Fine Art/Personal Finance	Hon AP English Literature Hon AP Calculus Science Elective Elective Hon French/Spanish 4 <b>Engineering Design and Development or CEA or AE</b> Elective

A sample 4-year plan for PLTW Biomedical students:

9th grade	10th grade	11th grade	12th grade
Hon English 1 Hon Geometry Hon Topics in Physics Hon World History 1 & 2 French/Spanish 1 or 2 <b>Principles of Biomedical Sciences</b> PE/Health	Hon English 2 Hon Algebra 2 Hon Chemistry Hon World Hist/Am Govt Hon French/Spanish 2 or 3 <b>Human Body Systems</b> PE 2/Speech or Drama	Hon AP English Language Hon Pre-Calc Hon Biology Hon AP US History Hon French/Spanish 3 or 4 <b>Medical Interventions</b> Fine Art/Personal Finance	Hon AP English Literature Hon AP Calculus Science Elective Elective Hon French/Spanish 4 <b>Biomedical Innovation</b> Elective

## SOUTH TECHNICAL HIGH SCHOOLS

**WHO SHOULD APPLY?** Current 10<sup>th</sup> grade students who have successfully earned 7.5 credits at the time of application.  
 Current 11<sup>th</sup> grade students who have successfully earned 10 credits at the time of application.  
 Students enrolled in good standing at their home high school.  
 Students who want to get involved in their career interest areas now!  
 Students who enjoy learning in a “real world”, “hands-on” environment.

**WHY APPLY?** Opportunity to earn college credit through articulation agreements  
 Opportunity to acquire state license and/or certification while in high school  
 Opportunity to begin a career right after high school graduation  
 Opportunity to earn technical and industrial certificate  
 Opportunity to investigate your career interest prior to college

- Admission to South Tech is based on completion of required credits, attendance and discipline.
- Given the volume of core and elective classes required for an Affton High School Diploma, and the fact that the Tech schedule would only allow students to take four classes at Affton, students are encouraged to wait until their junior year to participate in the Tech programs. In doing so they are able to maximize their ability to complete their required Affton courses.



NOTE: For more information: <http://southtechhigh.org> / or contact Chantal Chandler, Tech Representative (314) 989-7450 12721 West Watson Rd, Sunset Hills, MO 63127 or email her at [cchandler@ssdmo.org](mailto:cchandler@ssdmo.org)

### SCT PROGRAM MINIMUM REQUIREMENTS

Program	Math	Science	Lang. Arts	Other			
Automotive Body	1		1				
Automotive Technology	1		1				
Bricklaying & Masonry (South only)	1		1				
Broadcast Captioning & Court Reporting	1		1	1/2 History			
Carpentry	1		1				
Cosmetology	1	1	1	Must have 12 credits at start of program			
Culinary Arts	1		1				
Dental Sciences	1	1	1	Can earn 1 science credit for A&P			
Homeland Security(Senior program)	1		1				
Early Childhood Education	1		1				
Electrical Trades	1 algebra		1				
Electronics & Robotics Engineering	1 algebra	1	1	Can earn 1 science credit for Physics			
Emergency Medical Technician	1 algebra	1	1	17 credits total			
(Senior PM program only)	2	1	1	1 lab Science & C or better in Lang Arts			
Fashion Design	1		1				
Firefighting (AM only)	1 algebra	1	1	1 lab Science & C or better in Lang Arts			
Floor-layers Middle Apprenticeship	1		1	At Bayless High School			
Construction Trades	1		1				
Graphic Production Printing	1		1				
Graphic Design	1		1				
Health Sciences	1	1	1	1 credit Bio or concurrent enrollment			
Heating Ventilation and Air Conditioning	1		1				
Laboratory & Pharmacy Sciences	1 algebra	1	1	Can earn 1 science credit for A&P			
Law Enforcement (AM only)	1		1				
Precision Machining	1		1				
Motorcycle Small Engine	1		1				
Cisco networking academy	1 algebra	1	1	Weighted course; Honors credit			
Veterinary Assistant	1	1	1	1 credit Bio or concurrent enrollment			
Web & Computer Programming	1 algebra		1	1/2 credit keyboarding or concurrent enrollment			
Welding	1	1	1				



# Affton High School Courses

## **Art pg. 33**

Intro & Intermediate 2-D Art  
Intro & Intermediate 3-D Art  
Advanced Art 1 & 2  
Honors Advanced Art 3  
Ceramics

## **Business pg. 35**

Microsoft Office  
Web Page Design  
Desktop Publishing  
Computer Animation with Art  
Intro to Multimedia  
Intro to Marketing  
Sports Marketing  
Fashion Marketing  
Advertising  
Advanced Marketing  
Marketing Internship  
Personal Finance  
Business and Personal Law  
Accounting  
COE/CCE  
Professional Studies Program

## **English pg. 18**

English 1 & 2  
English Literacy Support  
Honors English 1 & 2  
Contemporary Authors  
American Literature  
Honors AP Eng Language  
Modern Non-Fiction  
Creative Writing  
Literature through Film  
Other Voices/Other Rooms  
Bosnian American Studies  
Mass Media  
Honors AP Eng Literature

## **Family & Consumer Science pg. 40**

Nutrition & Wellness 1 & 2  
Child Development 1 & 2  
Housing Environments & Design  
Family Living & Relationships  
Professional Studies Program

## **Industrial Technology pg. 58**

Intro to Wood Technology  
Advanced Wood Technology  
Home Maintenance

## **Journalism pg. 61**

Yearbook Practicum 1-3

## **Math pg. 22**

Algebra 1A  
Algebra 1B  
Algebra 1  
Geometry  
Honors Geometry  
Intermediate Algebra  
Algebra II/Trigonometry  
Honors Algebra II/Trigonometry  
College Algebra  
Honors Pre-Calculus  
Honors AP Calculus AB  
Honors AP Calculus BC  
Honors AP Statistics

## **Miscellaneous Electives pg. 61**

A+ Tutoring\*  
ACT Prep  
Cadet Teaching\*  
English Language Learners  
Guided Study Hall\*

## **(\*Non-Credit Courses)**

## **Modern Language pg. 43**

French 1 & 2  
Honors French 2 - 4  
Spanish 1 & 2  
Honors Spanish 2 - 4

## **Music pg. 46**

Band  
Orchestra  
Treble Choir  
Chorale  
Survey of Music  
Music Theory

## **Physical Education/Health pg. 49**

PE 1 & 2  
Health  
Elective Team Sports  
Weight Training  
Pre-Season Sports Training  
Dance & Fitness Concepts

## **Biomedical Sciences pg. 28**

Principles of Biomedical Sciences  
Human Body Systems  
Medical Interventions  
Biomedical Innovations

## **Engineering pg. 60**

Introduction to Engineering  
Principles of Engineering  
Civil Engineering & Architecture  
Aerospace Engineering  
Engineering Design & Development

## **Science pg. 25**

Topics in Physics  
Honors Topics in Physics  
Chemistry  
Honors Chemistry  
Biology  
Honors Biology  
Zoology  
Forensic Science  
Anatomy & Physiology  
Honors Anatomy & Physiology  
Honors AP Biology  
Honors AP Physics 1

## **Social Studies pg. 29**

World History 1 & 2  
Honors World History 1 & 2  
World History 3/U.S. Government  
Honors World History 3/U.S. Gov't  
United States History  
Honors AP U.S. History  
Contemporary Issues  
Psychology  
Sociology  
Honors AP Psychology  
Honors AP U.S. Gov't/Politics

## **Special Education pg. 52**

Consumer English  
Consumer Math  
Consumer Science  
Consumer Social Studies  
Consumer Life Skills  
Life Science Biology  
Learning Strategies  
Life Choices  
Reading  
Study Skills

## **Speech/Drama pg. 55**

Drama 1 & 2  
Creative Communication Arts  
Creative Film, Video, Media  
Adv Creative Film, Video, Media  
Television Production 1 & 2  
Theatre Arts  
Honors Advanced Theatre Arts

## **Virtual Learning pg. 62**

## English Department

9th Grade	10th Grade	11th Grade	12th Grade
English 1	English 2	Contemporary Authors	Modern Nonfiction
		American Lit	Literature Through Film (Semester)
			Other Voices/Other Rooms (Semester)
			Bosnian American Studies (Semester)
			Creative Writing (Semester)
			Mass Media
Honors English 1	Honors English 2	AP English Language	AP English Literature

# ENGLISH

## ENGLISH 1

**Grade Level:** 9      **Course No.** 0111 (8011)      **Length:** Year      **Credit:** 1.0 English  
**Prerequisite:** Passing 8th grade English

**COURSE DESCRIPTION:** English 1 is a two semester course required for all students. Its emphasis is composition, communication and vocabulary skills. The literary focus of this class is genre study. Students will be exposed to such works as *Of Mice and Men*, *Romeo and Juliet*, *The Odyssey*, and a variety of short stories and poems.

## ENGLISH LITERACY SUPPORT

**Grade Level:** 9      **Course No.** 0115      **Length:** Year      **Credit:** 1.0 English  
**Prerequisite:** Teacher Recommendation

**COURSE DESCRIPTION:** An elective course designed for students in need of support with English 1 skills and strategies. Students will be selected for the course based on teacher recommendations, grades, SRI scores, and a writing sample within the first term of semester 1.

## HONORS ENGLISH 1

**Grade Level:** 9      **Course No.** 0121      **Length:** Year      **Credit:** 1.0 English  
**Prerequisite:** An "A" or "B" in 8th grade English and a "B" or better on the writing assessment, or department chair approval.

**COURSE DESCRIPTION:** The emphasis in the class is an expanded curriculum focusing on advanced writing skills and multiple reading selections. This honors course requires more reading and writing assignments than English 1. This course will prepare students for Honors English 2. Summer reading is required for this course. Novels will include *The Pearl*, *Huckleberry Finn*, *Animal Farm* and *A Separate Peace*. Students will also be exposed to such works as *Romeo and Juliet*, *The Odyssey*, and a variety of short stories and poems. Students must maintain at least a C average.

## ENGLISH 2

**Grade Level:** 10      **Course No.** 0112 (8012)      **Length:** Year      **Credit:** 1.0 English  
**Prerequisite:** Successful completion of English 1.

**COURSE DESCRIPTION:** English 2 is a two semester course following completion of English 1, which uses a variety of literary genres to facilitate the mastery of reading and writing skills and strategies. Students continue to learn to analyze and interpret literature and to communicate effectively with a variety of audiences and purposes. Formal writing projects include a literary analysis paper, an argument essay, an I search paper, and a reflective essay. Students will read several major works including *Night* by Elie Weisel, *To Kill a Mockingbird* by Harper Lee, and Shakespeare's *The Tragedy of Julius Caesar*; students will also read various short stories, poems and non-fiction articles. At the end of the second semester, students will take the Missouri End-of-Course Exam, which all students must take before graduation.

## HONORS ENGLISH 2

**Grade Level:** 10      **Course No.** 0122      **Length:** Year      **Credit:** 1.0 English  
**Prerequisite:** Successful completion of Honors English 1 with an "A" or "B" or an "A" in English 1, approval of the English department upon examination of the writing portfolio.

**COURSE DESCRIPTION:** The emphasis is an expanded curriculum from English 2, focusing on advanced writing skills including the research paper and multiple reading selections of World Literature. This Honors course requires more reading and writing assignments than English 2, preparing students for Honors AP English Language and Honors AP English Literature. Emphasis is on classic and contemporary World Literature. Works read include *Oedipus Rex*, *a Doll's House*, *Julius Caesar*, *The Kite Runner*, *Life of Pi*, *Things Fall Apart*, and a variety of short stories, nonfiction essays, and poems. Summer reading is required in this course. At the end of the second semester, students will take the Missouri End-of-Course exam, which all students must take before graduation. Students must maintain at

## ENGLISH 3 - CONTEMPORARY AUTHORS

**Grade Level:** 11      **Course No.** 0113 (8103)      **Length:** Year      **Credit:** 1.0 English  
**Prerequisite:** Successful completion of English 2.

**COURSE DESCRIPTION:** A class studying fiction and non-fiction by American writers from early 20th Century to the present day. Argument, expository, analytical, and research writing included. Works include: *Catcher in the Rye*, *Ava's Man (1st semester)* and *Into the Wild (2nd semester)*.

### ENGLISH 3 - AMERICAN LITERATURE

Grade Level: 11

Course No. 0114

Length: Year

Credit: 1.0 English

Prerequisite: Successful completion of English 2.

**COURSE DESCRIPTION:** In English 3 - American Literature, students will read and analyze short stories, novels, poems, and essays from literature grounded in the American Tradition. Analytic, persuasive and research writing is included. Students are expected to write several essays including a literary analysis and a research paper. Reading will include *The Adventures of Huckleberry Finn*, *The Great Gatsby*, *The Crucible*, and *One Flew Over the Cuckoo's Nest*.

### HONORS AP ENGLISH LANGUAGE AND COMPOSITION

Grade Level: 11

Course No. 0123

Length: Year

Credit: 1.0 English

Prerequisite: Successful completion of Honors English 2 or completion of English 2 with a recommendation from an English teacher.

**COURSE DESCRIPTION:** In addition to alignment with English 3 Course-Level Expectations, this course also aligns with St. Louis University composition courses. First semester aligns with the English 150 Process of Composition, with an emphasis on reading non-fiction and composing essays for a variety of purposes and audiences. Second semester aligns with English 190 Advanced Strategies in Rhetoric and Research, with a greater emphasis on fiction, argument development, and research-based writing. The literary focus of both semesters is American Literature. Works read include a selection of essays, historical documents, poetry, and the following longer texts: *Ava's Man*, *The Great Gatsby*, *Their Eyes Were Watching God*, *The Crucible*, and *The Things They Carried*.

### ENGLISH 4 - MODERN NON-FICTION

Grade Level: 12

Course No. 0129 (8304); 0130 (8304)

Length: Year

Credit: 1.0 English

Prerequisite: Completion of three credits of English.

**COURSE DESCRIPTION:** This course focuses on the skills of reading, writing, speaking, listening, information literacy, and vocabulary. Students will read a wide range of print and non-print texts, for the purpose of making connections between themselves and their world, both as Americans and as global citizens. Students will also compose a variety of essays and documents which include: personal essay, resume, various work place communications and a research paper.

### ENGLISH 4 - OTHER VOICES / OTHER ROOMS

Grade Level: 12

Course No. 0133

Length: Semester

Credit: 0.5 English

Prerequisite: A completion of three credits of English.

**COURSE DESCRIPTION:** A semester and/or year long reading and writing intensive course for seniors studying literature by and about ethnic minorities and women in the United States. Students will write multiple essays and study a variety of short fiction, poetry, and non-fiction works. Works read may include: *The Awakening* by Kate Chopin and *The Bluest Eye* by Toni Morrison.

### ENGLISH 4 - BOSNIAN AMERICAN STUDIES

Grade Level: 12

Course No. 0134

Length: Semester

Credit: 0.5 English

Prerequisite: A completion of three credits of English.

**COURSE DESCRIPTION:** A semester course, Bosnian American Studies will be available for Accelerated Credit through Fontbonne University. In this writing and research intensive course, students will be exposed to a wide range of fiction and non-fiction texts designed to bring a broad synthesis of sources and methods to bear on the understanding of the Bosnian war, genocide, and immigration to St. Louis in the late twentieth and early twenty-first centuries. Student research projects will include the creation of primary source documents for the Bosnia Memory Project or other authentic audiences.

### ENGLISH 4 - LITERATURE THROUGH FILM

Grade Level: 12

Course No. 0131

Length: Semester

Credit: 0.5 English

Prerequisite: A completion of three credits of English.

**COURSE DESCRIPTION:** In Literature Through Film, students will critically analyze important films using the same evaluative techniques used for interpreting literature. Students will be expected to read essay discussing film cinematic and film history. Students will be expected to write critical analysis on each film viewed throughout the course. **Students will be required to attend viewing of films after the regular school day every two weeks during the course.**

### ENGLISH 4 - CREATIVE WRITING

Grade Level: 12

Course No. 0135

Length: Semester

Credit: 0.5 English

Prerequisite: A completion of three credits of English.

**COURSE DESCRIPTION:** A semester class for seniors intended to offer experience in writing creative non-fiction, short fiction, poetry, and drama. Students will read and analyze published works and contribute their own writings for publication and discussion in the class.

### ENGLISH 4 - MASS MEDIA (FORMERLY NEWSPAPER)

Grade Level: 12

Course No.

Length: Year

Credit: 1.0 English

**COURSE DESCRIPTION:** The curriculum in this course is designed to develop the writing and communication skills students need to effectively and appropriately utilize social media outlets (e.g. - Twitter, Facebook, Google+, Instagram, YouTube), as well as, print & digital media outlets (e.g. - newsletters, webpage, blogs) that are appropriate for a high school environment

### HONORS AP ENGLISH LITERATURE AND COMPOSITION

Grade Level: 12

Course No. 0124

Length: Year

Credit: 1.0 English

Prerequisite: Successful completion of Honors AP English Lang with an "A" or a "B" and/or the approval of the English department.

**COURSE DESCRIPTION:** This class meets the expectations of St. Louis University's 1818 program course and prepares students to master the AP: English Literature and Composition exam in the spring. The course is offered for 1818 credit as English 230: Introduction to the Novel in the Fall and as English 202: Introduction to Literary Study in the Spring. In a writing intensive course, students focus on reading and thinking critically in order to improve their understanding and appreciation of significant literary texts. In addition, the course introduces students to methods of analyzing literature and to the basic concepts and terminology of literary criticism. Students are exposed to a wide range of literature that may include: *Hamlet*, *Crime and Punishment*, *A Handmaid's Tale*, *Invisible Man*, *A Question of Bruno* and other works of established merit.

## Math Department

9th Grade	10th Grade	11th Grade	12th Grade
Algebra 1A	Algebra 1B	Geometry	Intermediate Algebra
Algebra 1	Geometry	Intermediate Algebra	Algebra 2/Trigonometry
Geometry	Algebra 2/ Trigonometry	College Algebra	Honors Pre-Calculus
	Honors Algebra 2	Honors Pre-Calculus	Honors AP Statistics
			AP Calculus AB
Honors Geometry	Honors Algebra 2	Honors Pre-Calculus	AP Calculus AB
		College Algebra	AP Calculus BC
		AP Statistics	AP Statistics

# MATH

## ALGEBRA 1A

**Grade Level:** 9      **Course No.** 1101 (8101)      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** None

**COURSE DESCRIPTION:** This course introduces the student to the use of inverse operations to solve simple equations. Students will also explore equations, probability, statistics, geometry, graphing on the coordinate plane, percent, proportions and formula for area and volume. Students need previous teacher's approval.

## ALGEBRA 1B

**Grade Level:** 10      **Course No.** 1102 (8102)      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** Successful completion of Algebra 1A

**COURSE DESCRIPTION:** This course continues Algebra 1A. Students will solve multiple step equations and inequalities, create and interpret graphs and coordinate geometry, explore polynomials, factoring, logic and discrete math, and formulate algebraic equations from real world scenarios.

## ALGEBRA 1

**Grade Level:** 9, 10      **Course No.** 1111 (8103)      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** None

**COURSE DESCRIPTION:** This course introduces the students to variables, equations, and graphs as tools for solving mathematical problems. Students will also explore polynomials, factoring, logic and discrete math, and formulate algebraic equations from real world scenarios.

## GEOMETRY

**Grade Level:** 9,10,11,12      **Course No.** 1112 (8108)      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** Credit in Algebra 1

**COURSE DESCRIPTION:** The student will apply algebraic principles as part of their analysis of geometric figures. Students will also explore formal proof and trigonometry.

## HONORS GEOMETRY

**Grade Level:** 9, 10      **Course No.** 1121      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** A "B" or better in Algebra 1 and a teacher recommendation.

**COURSE DESCRIPTION:** This course extends the concepts of regular geometry by placing a heavier emphasis on formal proof. The course also moves at a quicker pace which allows for more in-depth application.

## INTERMEDIATE ALGEBRA

**Grade Level:** 11, 12      **Course No.** 1104 (8106)      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** Successful completion of Algebra 1/A & B and completion of Geometry

**COURSE DESCRIPTION:** The purpose of this course is to prepare students for the ACT/SAT tests along with the college level classes that s/he anticipates taking in the future. Many topics in this course are covered in the Algebra II course but will be covered in more depth.

## ALGEBRA 2 - TRIGONOMETRY

**Grade Level:** 10, 11, 12      **Course No.** 1113      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** Successful completion of Geometry or current enrollment in Geometry.

**COURSE DESCRIPTION:** This course extends the concepts introduced in algebra and geometry with an emphasis on functions and trigonometry. Students will explore complex numbers, logarithms and probability.

## HONORS ALGEBRA 2 - TRIGONOMETRY

**Grade Level:** 10, 11      **Course No.** 1122      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** A "B" or better in Geometry and a teacher recommendation.

**COURSE DESCRIPTION:** This course extends the concepts of regular Algebra 2 - Trigonometry with a heavier emphasis on applications and more in-depth analysis allowed by a quicker pace.

### COLLEGE ALGEBRA

**Grade Level:** 11, 12      **Course No.** 1114      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** Successful completion of Algebra 2.

**COURSE DESCRIPTION:** This course introduces students to college level algebra. It follows the guidelines set forth by Saint Louis Community College. The course is two college level math courses (one each semester), MTH 140 Intermediate Algebra and MTH 160 College Algebra. To enroll in dual credit, students must have a 3.0 cumulative GPA and pay \$25 for first semester and \$150.50 for second semester. The dual credit part of the class is optional.

### HONORS PRE-CALCULUS

**Grade Level:** 11, 12      **Course No.** 1123      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** A "B" or better in Algebra 2 - Trig or a successful completion of College Algebra and a teacher recommendation

**COURSE DESCRIPTION:** This course extends the topics of all previous math courses with an emphasis on functions. Students will explore and model functions verbally, analytically, graphically and numerically.

### HONORS AP STATISTICS

**Grade Level:** 11, 12      **Course No.** 1124      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** A "B" or better in Pre-Calculus, Algebra 2 - Trig or College Algebra.

**COURSE DESCRIPTION:** This course is intended for college-bound students who have a thorough knowledge of college preparatory mathematics including algebra, geometry and trigonometry. Topics covered include experimental design, descriptive statistics, inferential statistics and probability. This curriculum is aligned with the Advanced Placement Statistics course.

### HONORS AP CALCULUS AB

**Grade Level:** 12      **Course No.** 1125      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** A "B" or better in Pre-Calculus or a teacher recommendation.

**COURSE DESCRIPTION:** This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, trigonometry, and analytic geometry. Topics covered include functions, limits, continuity, differentiation, integration, and applications. This curriculum is aligned with the Advanced Placement Calculus course.

### HONORS AP CALCULUS BC

**Grade Level:** 12      **Course No.** 1126      **Length:** Year      **Credit:** 1.0 Math  
**Prerequisite:** An "A" in Pre-Calculus and a teacher recommendation.

**COURSE DESCRIPTION:** Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Both courses represent college-level mathematics for which most colleges grant advanced placement and credit. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB.



## Science Department

9th Grade	10th Grade	11th Grade	12th Grade
Topics in Physics	Chemistry	Biology	Zoology (semester)
			Forensic Science (semester)
Honors Topics in Physics	Honors Chemistry	Honors Biology	Anatomy and Physiology
			Honors Anatomy and Physiology Online
		Honors AP Physics 1	Honors AP/ACP Biology
			Honors AP Physics 1
*Principles of Biomedical Science	*Human Body Systems	*Medical Interventions	*Biomedical Innovations

\*Biomedical Program: Students must take a math and a science course along with Biomedical courses each school year.

# SCIENCE

## TOPICS IN PHYSICS

**Grade Level:** 9      **Course No.** 2101 (8201)      **Length:** Year      **Credit:** 1.0 Science  
**Prerequisite:** None

**COURSE DESCRIPTION:** Physics is the science of energy and its physical effects on matter. Topics include: mechanics, motion, heat, sound, light, electricity, magnetism, and applicable earth and space science objectives.

## HONORS TOPICS IN PHYSICS

**Grade Level:** 9      **Course No.** 2111      **Length:** Year      **Credit:** 1.0 Science  
**Prerequisite:** A "C" or better in Algebra and a teacher recommendation.

**COURSE DESCRIPTION:** Physics is the science of energy and its physical effects on matter. Topics include: mechanics, motion, heat, sound, light, electricity, magnetism, and applicable earth and space science objectives. This course is designed for Honors level students.

## CHEMISTRY

**Grade Level:** 10      **Course No.** 2103 (8206)      **Length:** Year      **Credit:** 1.0 Science  
**Prerequisite:** Successful completion of Topics in Physics

**COURSE DESCRIPTION:** Chemistry deals with all the materials in the universe and the changes that these materials undergo. Students will explore practical applications of chemistry through laboratory experiments. This will give them an understanding of the properties, principles, and behaviors of matter and help them develop problem-solving skills.

## HONORS CHEMISTRY

**Grade Level:** 10      **Course No.** 2122      **Length:** Year      **Credit:** 1.0 Science  
**Prerequisite:** A "C" or better in Honors Topics in Physics and a "B" or better Algebra 1 or a teacher recommendation.

**COURSE DESCRIPTION:** This course is lab-based, detailed exploration of chemistry. In addition to, the regular curriculum, solution chemistry will be covered. The students will use math to solve advanced chemistry problems.

## BIOLOGY

**Grade Level:** 11      **Course No.** 2102 (8202)      **Length:** Year      **Credit:** 1.0 Science  
**Prerequisite:** Successful completion of two years of science courses.

**COURSE DESCRIPTION:** This course will study many topics in the field of biology, including ecology, microbiology, macromolecules, cells, genetics, botany, animal diversity, and human biology. Learning activities will include laboratory experiments, written exercises, and discussion of these topics. Students should possess basic laboratory and study skills.

## HONORS BIOLOGY

**Grade Level:** 11      **Course No.** 2121      **Length:** Year      **Credit:** 1.0 Science  
**Prerequisite:** A "C" or better in Honors Topics in Physics and Honors Chemistry or a teacher recommendation.

**COURSE DESCRIPTION:** Honors Biology will undertake an in-depth study of selected biological topics including biochemistry, cell biology, genetics, ecology and evolution. This course will be a lab-based and detailed exploration of these topics.

## FORENSIC SCIENCE

**Grade Level:** 12      **Course No.** 2131      **Length:** Semester      **Credit:** 0.5 Science elective  
**Prerequisite:** Successful completion of three years of high school science classes.

**COURSE DESCRIPTION:** This course will present the scientific principles and laboratory and field methods forensic scientists use to solve problems. This course focuses on practices and analysis of physical evidence found at crime scenes. Students will process crime scenes, analyze lab data, and conduct scientific investigations. Students will take on the various roles of crime scene investigator, scientists and medical examiner in order to collect and evaluate evidence in a problem-solving environment.

## ZOOLOGY

**Grade Level:** 12      **Course No.** 2130      **Length:** Semester      **Credit:** 0.5 Science elective

**Prerequisite:** Successful completion of three years of high school science classes.

**COURSE DESCRIPTION:** This course is the study of animals. This includes characteristics and classification, growth and development, and comparative anatomy. Students will study the habitat, niche, and value to mankind of various animals. Students will survey the animal kingdom with an emphasis on diversity, anatomy, evolutionary relationships, functional adaptations, and environmental relationships.

## HUMAN ANATOMY AND PHYSIOLOGY

**Grade Level:** 12      **Course No.** 2107      **Length:** Year      **Credit:** 1.0 Science

**Prerequisite:** Successful completion of three years of science courses.

**COURSE DESCRIPTION:** Students in Human Anatomy and Physiology will explore all of the major organ systems within the human body. Human genetics will also be explored in this course. The course will combine lecture, field experience and laboratory exercises.

## HONORS HUMAN ANATOMY AND PHYSIOLOGY

**Grade Level:** 12      **Course No.** 2129      **Length:** Year      **Credit:** 1.0 Science

**Prerequisite:** A "B" or better in Biology or Honors Biology

**COURSE DESCRIPTION:** Students in Human Anatomy and Physiology will explore the human body systems in depth at an advanced level. The course format will be 'blended', with students listening to lectures on-line, participating in on-line discussions, and submitting assignments on-line. The discussions, examination, and laboratory portion of the course will involve meeting in person 7 times per semester on a designated weekend afternoon. Attendance is mandatory at the weekend sessions. Students will have the opportunity to earn dual credit through the University of Missouri- St. Louis.

## HONORS AP PHYSICS I

**Grade Level:** 12      **Course No.** 2123      **Length:** Year      **Credit:** 1.0 Science

**Prerequisite:** A "C" or better in Honors Topics of Physics, Honors Chemistry, Honors Biology, and Algebra 2 Trig or a teacher recommendation.

**COURSE DESCRIPTION:** AP Physics I is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

## HONORS AP/ACP BIOLOGY

**Grade Level:** 12      **Course No.** 2124      **Length:** Year      **Credit:** 1.0 Science

**Prerequisite:** A "B" or better in Honors Biology or a teacher recommendation.

**COURSE DESCRIPTION:** The AP/ACP Course is designed to be the equivalent of a two-semester college introductory biology course. Students will engage in an intensive study of molecules and cells, heredity and evolution, and organisms and populations as outlined by the College Board. They will have the opportunity to take the AP Biology test, and if successful, possibly earn credit for college. This course is offered for college credit through University of Missouri-St. Louis.

# BIOMEDICAL SCIENCE

## PLTW PRINCIPLES of the BIOMEDICAL SCIENCES (PBS)

**Grade Level:** 9      **Course No.** 2125      **Length:** Year      **Credit:** 1.0 Science elective  
**Prerequisite:** Separate application is required

**COURSE DESCRIPTION:** Students examine multiple health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program. During this overview the students will get a first-hand look at many professions in the biomedical field. Placement in PLTW will be based on attendance, math grades, science grades, and teacher recommendations.

## PLTW HUMAN BODY SYSTEMS (HBS)

**Grade Level:** 10      **Course No.** 2126      **Length:** Year      **Credit:** 1.0 Science elective  
**Prerequisite:** Principles of the Biomedical Sciences and recommendation from PBS teacher.

**COURSE DESCRIPTION:** Students investigate the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries.

## PLTW MEDICAL INTERVENTIONS (MI)

**Grade Level:** 11      **Course No.** 2127      **Length:** Year      **Credit:** 1.0 Science elective  
**Prerequisite:** Human Body Systems and recommendation from HBS teacher.

**COURSE DESCRIPTION:** Students become involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. A "How-To" manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students will be exposed to the wide range of interventions related to Immunology, Surgery, Genetics, Pharmacology, Medical Devices, and Diagnostics. Each family case scenario will introduce multiple types of interventions and will reinforce concepts learned in the previous two courses, as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions will be showcased across the generations of the family and will provide a look at the past, present and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important role scientific thinking and engineering design play in the development of intervention of the future

## PLTW BIOMEDICAL INNOVATIONS (BI)

**Grade Level:** 12      **Course No.** 2128      **Length:** Year      **Credit:** 1.0 Science elective  
**Prerequisite:** Completion of MI or concurrent enrollment in MI, recommendation of MI/HBS instructor

**COURSE DESCRIPTION:** In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

## Social Studies Department

9th Grade	10th Grade	11th Grade	12th Grade
World History 1 & 2	World History 3 & American Government	US History	Contemporary Issues (semester)
		Contemporary Issues (semester)	Psychology (semester)
		Psychology (semester)	Sociology (semester)
		Sociology (semester)	Honors AP Psychology
Honors World History 1 & 2	Honors World History 3 & Am Government	Honors AP US History	Honors AP US Government and Politics

# SOCIAL STUDIES

## WORLD HISTORY 1

**Grade Level:** 9      **Course No.** 3002 (8309)      **Length:** Semester (1st)      **Credit:** 0.5 Social Studies  
**Prerequisite:** None

**COURSE DESCRIPTION:** World History 1 will encompass first civilizations through the Middle Ages. Students will gain an appreciation of the early civilizations and cultural traditions. Understanding the past will assist students in comprehending their own times.

## HONORS WORLD HISTORY 1

**Grade Level:** 9      **Course No.** 3112      **Length:** Semester (1st)      **Credit:** 0.5 Social Studies  
**Prerequisite:** A "B-" or better in 8th grade Social Studies or a "B" or better on the 8th grade assessments or a teacher recommendation.

**COURSE DESCRIPTION:** Honors World History 1 will encompass first civilizations through the Middle Ages. Emphasis will be placed on the development of critical thinking skills. Additional outside reading, research, creative projects, free response and document based writing are required.

## WORLD HISTORY 2

**Grade Level:** 9      **Course No.** 3003 (8310)      **Length:** Semester (2nd)      **Credit:** 0.5 Social Studies  
**Prerequisite:** World History 1

**COURSE DESCRIPTION:** World History 2 encompasses the early American civilizations through the era of 20th Century Imperialism. Students will appreciate the role of new ideas, the impact of science and technology and the importance of cultural development in the modern world.

## HONORS WORLD HISTORY 2

**Grade Level:** 9      **Course No.** 3113      **Length:** Semester (2nd)      **Credit:** 0.5 Social Studies  
**Prerequisite:** A "B-" or better in Honors World History 1 or teacher recommendation.

**COURSE DESCRIPTION:** Honors World History 2 encompasses the early American civilizations through the era of the 20th Century Imperialism. Students will appreciate the role of new ideas, the impact of science and technology and the importance of cultural development in the modern world. Emphasis is placed on the development of critical thinking skills. Additional outside reading, research, creative projects, free response and document based writing are required.

## WORLD HISTORY 3

**Grade Level:** 10      **Course No.** 3004 (8311)      **Length:** Semester (1st)      **Credit:** 0.5 Social Studies  
**Prerequisite:** World History 1 and World History 2

**COURSE DESCRIPTION:** World History 3 takes a thorough look at the wars of the 20th Century and the challenges of contemporary society. Students will examine the cause and effect of the World Wars, post war changes and the challenges of global issues.

## HONORS WORLD HISTORY 3

**Grade Level:** 10      **Course No.** 3114      **Length:** Semester (1st)      **Credit:** 0.5 Social Studies  
**Prerequisite:** Honors World History 1 and Honors World History 2 and a "B-" or better in Honors World History 2 or a teacher recommendation.

**COURSE DESCRIPTION:** Honors World History 3 takes a thorough look at the wars of the 20th Century and the challenges of contemporary society. Students will examine the cause and effect of the World Wars, post war changes and challenges of global issues. Emphasis is placed on the development of critical thinking skills. Additional outside reading, research, creative projects, free response and document based writing are required.

## AMERICAN GOVERNMENT

**Grade Level:** 10      **Course No.** 3001 (8300)      **Length:** Semester (2nd)      **Credit:** 0.5 Social Studies  
**Prerequisite:** World History 1, World History 2 and World History 3

**COURSE DESCRIPTION:** In American Government, students will gain a practical understanding of the principles of democracy and republicanism. Civil liberties, legal rights and responsibilities, and the working of the American judicial system are studied. This course contrasts our capitalistic economy to other economic systems and examines the theory of supply and demand. The students will also examine the framework of the State of Missouri Government, and other documents that shape the United States Government.

### HONORS AMERICAN GOVERNMENT

**Grade Level:** 10      **Course No.** 3111      **Length:** Semester (2nd)      **Credit:** 0.5 Social Studies

**Prerequisite:** Honors World History 1, Honors World History 2, Honors World History 3 and a "B-" or better in Honors World 3 or teacher recommendation.

**COURSE DESCRIPTION:** In Honors American Government, students will investigate the foundations of American democracy principles, constitutional principles, economic systems, and the operation of the national, state, and local governments. The students will also examine the framework of the State of Missouri Government and other documents that shape the United States Government. Participatory citizenship will be focused on the student to develop critical thinking skills. Additional outside reading, research, creative projects, free response and document based writing are required.

### UNITED STATES HISTORY

**Grade Level:** 11      **Course No.** 3103 (8303)      **Length:** Year      **Credit:** 1.0 Social Studies

**Prerequisite:** World History 1, World History 2, World History 3 and United States Government.

**COURSE DESCRIPTION:** U.S. History examines the major events in American history from the nation's beginnings to the present day, with in-depth coverage of the twentieth century. In studying the political, economical, social and cultural development of the nation, students can develop an appreciation of American heritage.

### HONORS 1818 / AP UNITED STATES HISTORY

**Grade Level:** 11      **Course No.** 3123      **Length:** Year      **Credit:** 1.0 Social Studies

**Prerequisite:** Honors World History 1, Honors World History 2, Honors World History 3, Honors US Government and a "B-" or better in Honors World History 3/Honors US Government or a teacher recommendation.

**COURSE DESCRIPTION:** The course surveys American history from the Revolutionary War to the present. Students analyze and study in-depth the political, economical, social and cultural development of the United States. Using a variety of sources, both primary and secondary, students will be challenged to identify issues, develop hypotheses, and draw conclusions based on factual evidence. Emphasis will be placed on increasing the students' critical thinking and writing skills, as well as, their appreciation of the nation's history. Six hours of college credit through St. Louis University's 1818 program may be earned and/or students may take the Advanced Placement

### PSYCHOLOGY

**Grade Level:** 11, 12      **Course No.** 3105      **Length:** Semester      **Credit:** 0.5 Social Studies

**Prerequisite:** None

**COURSE DESCRIPTION:** Psychology is the study of human behavior. Topics in this survey course include: extra-sensory perception, workings of the brain, controlling aspects of the central nervous system, classical and operant conditioning, neurotic and psychotic states, counseling and therapy, drug states, hypnosis, and workings of the senses, stress and their affect on behavior. This course is strongly recommended for the college-bound student.

### SOCIOLOGY

**Grade Level:** 11, 12      **Course No.** 3106      **Length:** Semester      **Credit:** 0.5 Social Studies

**Prerequisite:** None

**COURSE DESCRIPTION:** Sociology is the study of society's controlling aspects over an individual. This course surveys cultural, racial and ethnic groups; crime deviance, and social control; gender roles; marriage; family; personal self-view; non - verbal communication and social changes. Sociology is recommended for the college-bound student.

### CONTEMPORARY ISSUES

**Grade Level:** 11, 12      **Course No.** 3104      **Length:** Semester      **Credit:** 0.5 Social Studies

**Prerequisite:** None

**COURSE DESCRIPTION:** This course will explore current political, social and economic developments in the United States and the world. Special emphasis will be placed on world and national crises, global-interdependence, minorities, and United States politics. Contemporary Issues is recommended for the college-bound student.

### HONORS AP PSYCHOLOGY

**Grade Level:** 11, 12      **Course No.** 3125      **Length:** Year      **Credit:** 1.0 Social Studies  
**Prerequisite:** A "B+" average in previous Social Studies classes or a teacher recommendation.

**COURSE DESCRIPTION:** This course is designed to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed psychological facts, principles, and phenomena associated within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students are expected to take the Advanced Placement test in May.

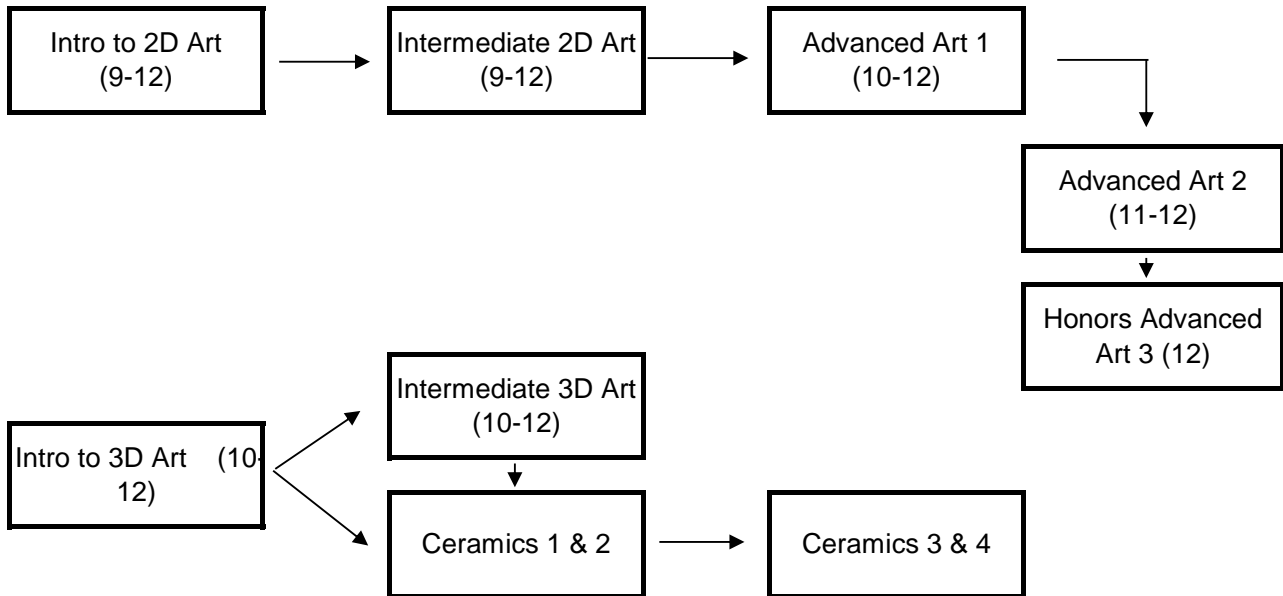
### HONORS 1818 / AP US GOVERNMENT AND POLITICS

**Grade Level:** 12      **Course No.** 3124      **Length:** Year      **Credit:** 1.0 Social Studies  
**Prerequisite:** a "B+" average in previous Social Studies classes or a teacher recommendation.

**COURSE DESCRIPTION:** This political science course is designed to offer senior students the opportunity to take a college-level course in high school. This course will provide students with strong preparation for the AP exam and college work. The following six major topics will be covered: (1)The constitutional underpinnings of American Government, (2)political beliefs and behaviors, (3)political parties, interest groups, mass media, (4)institutions of national government, (5)public policy and (6)civil rights and civil liberties. The main focus of the course is to be able to apply an understanding of our political system to contemporary events. Six hours of college credit through St. Louis University's 1818 program may be earned and/or students may take the Advanced Placement test in May.



## Art Department



# ART

## INTRODUCTION & INTERMEDIATE 2-D ART

**Grade Level:** 9, 10, 11, 12    **Course No.** 4127/4128    **Length:** Semester or Year    **Credit:** 0.5 or 1.0 Art

**Prerequisite:** Intro is a prerequisite for Intermediate

**COURSE DESCRIPTION:** An introductory course in the visual arts based upon projects in 2-dimensional design and composition. Projects using a wide variety of media will provide opportunities for students to become acquainted with the materials, principles, and terminology of art. Students may or may not have special ability in art but a genuine interest and willingness to work are necessary. Students who plan to take advanced work in art should take 2-Dimensional Art in 9th grade or as soon as possible.

## INTRODUCTION & INTERMEDIATE 3-D ART

**Grade Level:** 10, 11, 12    **Course No.** 4129/4102    **Length:** Semester or Year    **Credit:** 0.5 or 1.0 Art

**Prerequisite:** Intro is a prerequisite for Intermediate

**COURSE DESCRIPTION:** A basic course in 3-dimensional art. Concepts of design in spatial relationships will be explored. May be taken in addition to or instead of 2-Dimensional Art. Emphasis will be on creative thinking and problem solving. Students may or may not have special ability in art but a genuine interest and willingness to work are necessary.

## ADVANCED ART 1

**Grade Level:** 10,11,12    **Course No.** 4122    **Length:** Year    **Credit:** 1.0 Art

**Prerequisite:** A "B" in 2-Dimensional Art AND approval of the 2-D Art teacher.

**COURSE DESCRIPTION:** Concepts of design and composition are explored more deeply than in basic art. Emphasis is given to composition and drawing as a method of personal communication. The student will be expected to be capable of creating visual ideas.

## ADVANCED ART 2

**Grade Level:** 11, 12    **Course No.** 4123    **Length:** Year    **Credit:** 1.0 Art

**Prerequisite:** A "B" or better in Advanced Art 1 AND approval of Advanced Art 1 teacher.

**COURSE DESCRIPTION:** Only to be undertaken by students who show a serious interest and have high skill levels in the visual arts. Special attention will be given to improving skills in observation and recording, as well as, emphasis on dealing with visual concepts.

## HONORS ADVANCED ART 3

**Grade Level:** 12    **Course No.** 4124    **Length:** Year    **Credit:** 1.0 Art

**Prerequisite:** A "B" in Advanced Art 2 AND approval of Advanced Art 2 teacher.

**COURSE DESCRIPTION:** Only to be undertaken by students who show a genuine interest in visual arts. A high skill level is expected. Emphasis will be on developing objective and expressive interpretations of visual ideas. Time will be devoted to preparing a portfolio for presentation to a professional school if necessary.

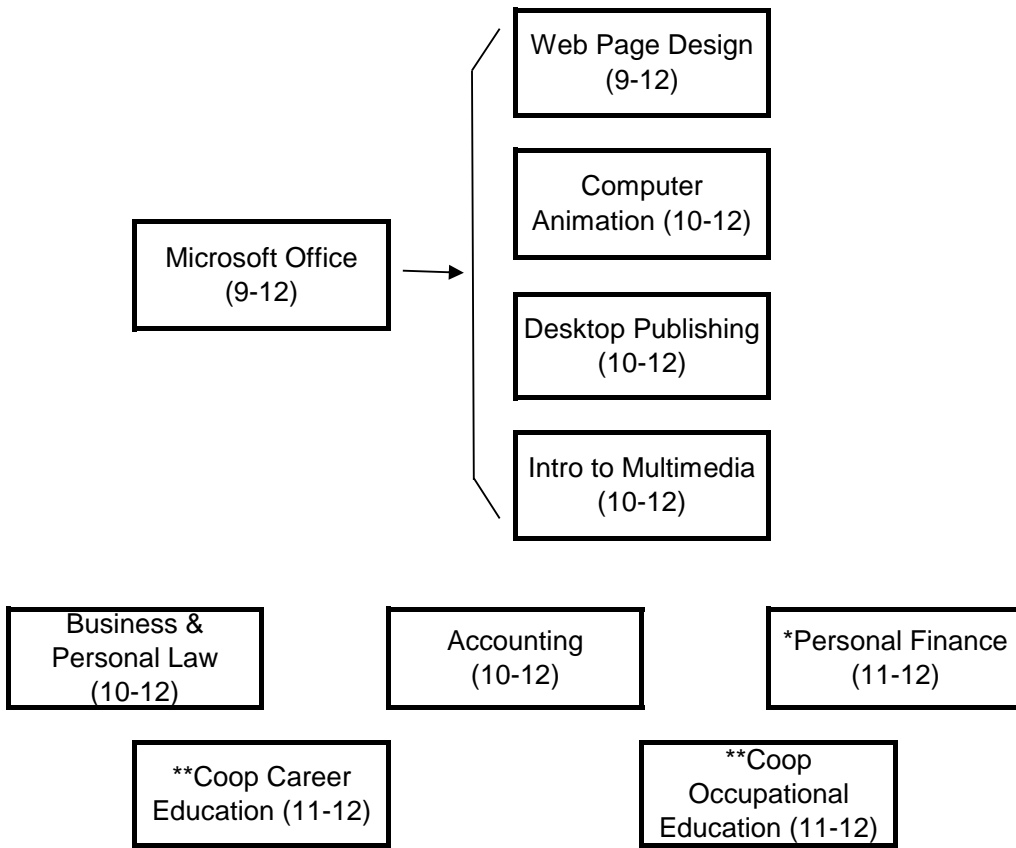
## CERAMICS 1, 2 & 3

**Grade Level:** 11, 12    **Course No.** 4105    **Length:** Semester or Year    **Credit:** 0.5 or 1.0 Art

**Prerequisite:** Successful completion of Introduction to 3-D Art

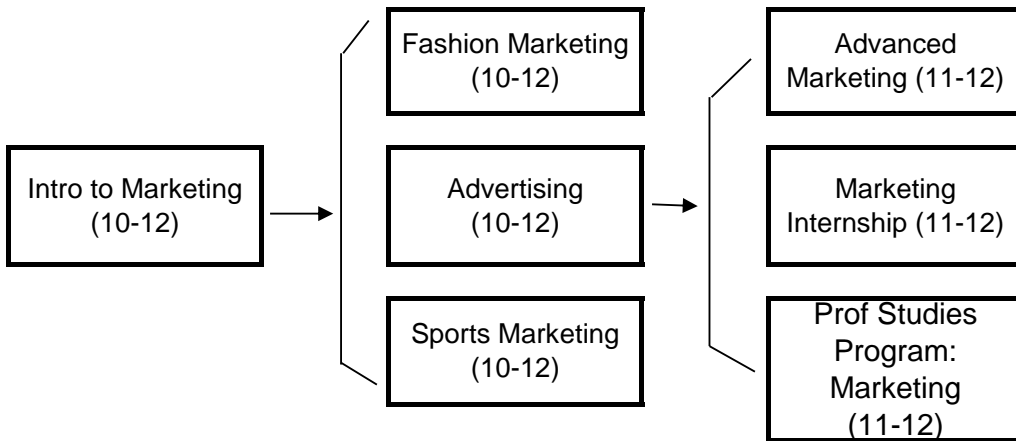
**COURSE DESCRIPTION:** This Ceramics course is designed for students that have taken 3-D Art and have a serious interest in further exploring various ceramic techniques. Students will address issues, such as, construction, glaze, function, and decoration while working with hand-building and wheel throwing techniques.

# Business Education Department



\*Online option of Personal Finance is available during the school day or outside of the school day.

\*\*Coop Career Education and Coop Occupational Education must be taken simultaneously.



## BUSINESS EDUCATION

### PERSONAL FINANCE

**Grade Level:** 11, 12      **Course No.** 6210      **Length:** Semester      **Credit:** 0.5 Practical Arts  
**Prerequisite:** Successful completion of Algebra 1.

**COURSE DESCRIPTION:** This course is designed to introduce students to personal money management principles. Content areas include budgeting, wise buying strategies, credit, credit cards, banking, checking, taxes, insurance, and investments. Students will participate in discussions, activities, internet research and computer simulations. Juniors and Seniors with a 3.0 cumulative GPA may receive college credit through Missouri State University for an additional fee.

### MICROSOFT OFFICE

**Grade Level:** 9, 10, 11, 12      **Course No.** 6101      **Length:** Semester      **Credit:** 0.5 Practical Arts  
**Prerequisite:** None

**COURSE DESCRIPTION:** In this course, students will learn Word (word processing), Excel (spreadsheet), PowerPoint (graphic presentation), and Access (database management). Students will be expected to acquire and use keyboarding and internet exploration skills to compose information into meaningful documents. Students will be introduced to digital media creation through the integrations of digital images and the Microsoft Office Suite. Students will transfer learned skills from one application to another while organizing and creating professional documents. This course is recommended for students who are college bound and/or student seeking a career in business. Students earning an 80% or higher in Microsoft Office are eligible to earn articulated college credit through St. Louis Community College. Juniors and Seniors with a 3.0 cumulative GPA may receive college credit through Missouri State University for an additional fee.

### WEB PAGE DESIGN TECHNOLOGY

**Grade Level:** 9, 10, 11, 12      **Course No.** 6102      **Length:** Semester      **Credit:** 0.5 Practical Arts  
**Prerequisite:** Successful completion of Microsoft Office.

**COURSE DESCRIPTION:** This course is intended as an introductory course on creating Web pages. The objectives of this course are: to teach the fundamentals of developing Web pages using HTML; to acquaint students with the HTML 5 guidelines; to show students how to create Web pages suitable for course work, professional purposes, and personal use; to expose students to common Web page formats and functions; to promote curiosity and independent exploration of World Wide Web resources; to develop an exercise-oriented approach that allows students to learn by example; to encourage independent study and help those who are learning how to create Web pages in a distant education environment. Students earning an 80% or higher in Web are eligible to earn articulated college credit through St. Louis Community College.

### COMPUTER ANIMATION WITH ART

**Grade Level:** 10, 11, 12      **Course No.** 6103      **Length:** Semester      **Credit:** 0.5 Practical Arts  
**Prerequisite:** Successful completion of Microsoft Office.

**COURSE DESCRIPTION:** This course is an advanced course for those students who are interested in pursuing Design or Computer Programming as a career. This course will teach you how to use Flash animation, Fireworks, and ActionScript. The skills learned in this course will prepare you for your next step in Web Page Design or Computer Programming in the college or Tech levels.

### DESKTOP PUBLISHING

**Grade Level:** 10, 11, 12      **Course No.** 6106      **Length:** Semester      **Credit:** 0.5 Practical Arts  
**Prerequisite:** A "C" or better in Microsoft Office.

**COURSE DESCRIPTION:** Desktop Publishing focuses on learning to create basic publications combining text and graphics, digital media productions, and gaining an understanding of what digital media is and how it is created. Students will be exposed to Microsoft Publisher. This course is recommended for students who have a general interest in computers and students interested in graphic design.

### INTRO TO MULTIMEDIA

**Grade Level:** 10, 11, 12      **Course No.** 6116      **Length:** Semester      **Credit:** .5 Practical Arts  
**Prerequisite:** Microsoft Office (2nd semester 9th graders having taken Microsoft Office)

**COURSE DESCRIPTION:** This course is intended as an introductory course where students will develop graphic design and multimedia skills. The objectives of this course are: to teach the essentials of graphic design; to acquaint students with fundamentals of multimedia; develop technical skills including animation, the creation of original graphic images, and the development of computer publications. Programs used will include Adobe Photoshop, Adobe Illustrator and Audacity.

## INTRO TO MARKETING

Grade Level: 10, 11, 12

Course No. 6110

Length: Semester

Credit: 0.5 Practical Arts

Prerequisite: None

**COURSE DESCRIPTION:** In this course, Students will learn about consumers in the market place, advertising, sales promotion, professional development and more. This course is a must for students who are planning on a career in marketing or business. In this course you will have the opportunity to be involved in DECA (An Association of Marketing Students) and FBLA (Future Business Leaders of America). These organizations provide opportunities for leadership, professional development, and community service. Also included are some fun social events and "academic" activities. Students may be eligible for three hours of college credit at Missouri State University through dual credit.

## SPORTS AND ENTERTAINMENT MARKETING

Grade Level: 10, 11, 12

Course No. 6113

Length: Semester

Credit: 0.5 Practical Arts

Prerequisite: Intro to Marketing

**COURSE DESCRIPTION:** This course will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and entertainment events. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship and event marketing. This course will also delve into promotion plans, sponsorship proposals, sports marketing plans, event evaluation and management techniques. Students taking sports marketing will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

## FASHION MARKETING

Grade Level: 10, 11, 12

Course No. 6114

Length: Semester

Credit: .5 Practical Arts

Prerequisite: Intro to Marketing

**COURSE DESCRIPTION:** Fashion Marketing is a course that uses the fashion industry to learn about marketing concepts. Students will learn the basics of fashion, marketing basics and then apply marketing strategies to the fashion industry. Students will learn about Selling, Promotions, Public Relations, Visual Merchandising, and Advertising. Students taking fashion marketing will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

## ADVERTISING

Grade Level: 10, 11, 12

Course No. 6117

Length: Semester

Credit: .5 Practical Arts

Prerequisite: Intro to Marketing

**COURSE DESCRIPTION:** This course will help students develop a thorough understanding of the marketing concepts and theories that apply to advertising. An instructional program that describes the creation, execution, transmission, and evaluation of commercial messages concerned with the promotion and sales of products and services. Students taking Advertising will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

## ADVANCED MARKETING / STARTING A BUSINESS

Grade Level: 11, 12

Course No. 6111

Length: Year

Credit: 1.0 Practical Arts

Prerequisite: A "C" or better in Intro to Marketing and one other marketing class.

**COURSE DESCRIPTION:** Using a hands-on approach, the student will organize, develop and implement their own business from start-up to shut-down. They will learn about entrepreneurship and what it takes to succeed in the business community. They will discover the importance of communication and effective management in relation to the success of a business. The student will learn to write an effective business plan, market and sell a product or service, and choose strategies to make a profit. Students will be responsible for planning the Dodgeball Tournament, the Valentine's Day Rose sale and other various events throughout the year. Students will also participate in the "Affton Apprentice" and have the opportunity to earn an End of the Year Scholarship. Students taking advanced marketing will have the opportunity to participate in DECA (Association of Marketing Students) and FBLA (Future Business Leaders of America).

### MARKETING INTERNSHIP

**Grade Level:** 11, 12      **Course No.** 6112      **Length:** Year      **Credit:** 1.0 - 2.0 PA

**Prerequisite:** Must be simultaneously enrolled in any Marketing Class and/or complete application with marketing teacher.

**COURSE DESCRIPTION:** This course provides students with an opportunity to apply marketing concepts, skills, and attitudes in the workplace. It will provide students with a competitive edge as they acquire practical knowledge and skills useful in college and their chosen career field. Students must be enrolled in Intro to Marketing, Sports and Entertainment Marketing, Fashion Marketing, or Advanced marketing simultaneously and work a minimum of 10 hours per week. Students must be in attendance at least 5 of the 7 periods of the school day and attend the appropriate marketing class in order to attend work and have their work hours count. Students may be released up to two (2) class periods per day depending on the number of credit hours for which the student is enrolled. Students who are terminated or removed from their place of employment will receive an "F" for the internship and be placed into a regular school schedule. Students may earn up to 2 units of credit for the marketing internship.

### ACCOUNTING

**Grade Level:** 10, 11, 12      **Course No.** 6109      **Length:** Year      **Credit:** 1.0 Practical Arts

**Prerequisite:** A cumulative grade point average of a "C" or above.

**COURSE DESCRIPTION:** This course is designed for students who have a variety of career objectives. It provides preparation for entry-level careers in accounting, knowledge and skill needed for careers in related business fields, and a foundation on which to continue studying business and accounting at the post-secondary level. The course of study includes planning, recording, analyzing, and interpreting financial information for sole-and-multi-owner businesses. Computerized accounting is introduced in this course. Students completing accounting with an 80% or higher may be eligible to earn articulated college credit through St. Louis Community College. Juniors and Seniors with a 3.0 cumulative GPA may receive college credit through Missouri State University for an additional fee.

### BUSINESS AND PERSONAL LAW

**Grade Level:** 10, 11, 12      **Course No.** 6108      **Length:** Semester      **Credit:** 0.5 Practical Arts

**Prerequisite:** None

**COURSE DESCRIPTION:** This course is designed to acquaint students with the basic legal principles relevant to their everyday lives as citizens, consumers, and employees through a mixture of personal and business law. Students will learn about the origins of the American legal system, rights of private property, basic elements of contracts, individual and family rights and the procedures of both civil and criminal court room trials.

### COOPERATIVE CAREER EDUCATION

**Grade Level:** 11, 12      **Course No.** 6118      **Length:** Semester/year      **Credit:** .5 /1 Practical Arts

**Prerequisite:** Application required

**COURSE DESCRIPTION:** Students study occupations that relate to technical, child development and care, food production and service management, construction, manufacturing industries, health care, and computer related careers. Areas to be studied include: employer-employee relations, human relations, labor organizations, and career development. This is a *hybrid* course—some coursework will be completed online and some seminar attendance is required. Criteria for internship will be identified through the application process.

### COOPERATIVE OCCUPATIONAL EDUCATION

**Grade Level:** 11, 12      **Course No.** 6119      **Length:** Semester/year      **Credit:** .5 /2 Practical Arts

**Prerequisite:** Application required

**COURSE DESCRIPTION:** This course provides supervised on-the-job internship in technical, computers, construction, and service occupations. Separate application is required. **CONCURRENT ENROLLMENT IN COOPERATIVE EDUCATION COURSE IS REQUIRED.**

## AFFTON PROFESSIONAL STUDIES PROGRAM - MARKETING TRACK

**Grade Level:** 11, 12

**Course No.** 6111

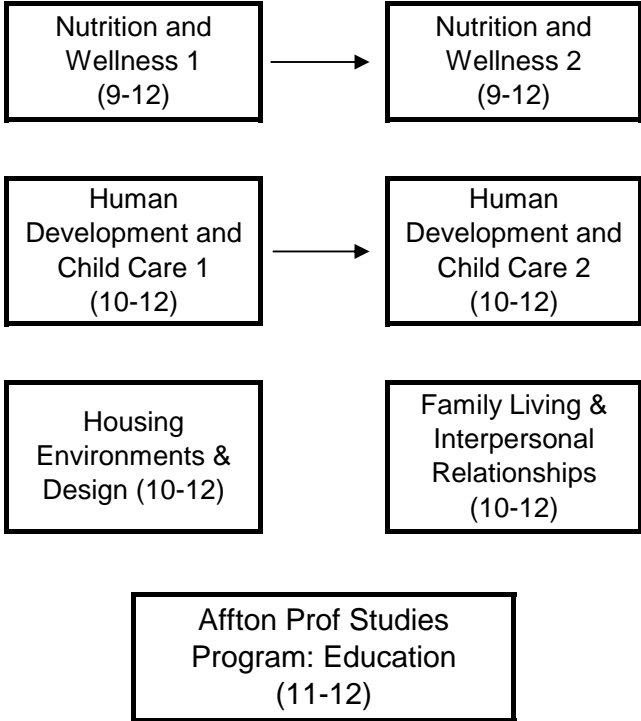
**Length:** Year

**Credit:** 1.0 - 1.5 Practical Arts

**Prerequisite:** A "C" or better in Intro to Marketing and one other marketing class.

**COURSE DESCRIPTION:** Affton Professional Students Program is an advanced, entrepreneurial approach to education that is designed to give high school students hands-on, real world experience in a profession of their choice. Students are fully immersed in a profession-based learning approach. Students are able to gain experience working with real businesses, assisting and learning through meaningful projects. In addition, to being part of real businesses, students are also paired with mentors out in the field--individuals who are working each day in these professions. Students in the Professional Studies program meet for a 1-3 hour block, receiving high school core or elective credit and college credit. In addition to important profession-based learning skills the students acquire, they also gain 21st century skills such as problem solving, time and project management skills, business ethics and self-discipline. Students will also have the opportunity to participate in DECA (Association of Marketing Students).

# Family & Consumer Sciences Department





# FAMILY AND CONSUMER SCIENCES

## NUTRITION AND WELLNESS 1

**Grade Level:** 9, 10, 11, 12    **Course No.** 6201 (8307)

**Length:** Semester

**Credit:** 0.5 Practical Arts

**Prerequisite:** None

**COURSE DESCRIPTION:** Nutrition and Wellness 1 is a focused concentration on the nutrients needed to promote healthy growth and maintenance of the human body. Units of study include: identifying nutrient groups, their function and food sources; measurement skills; food preparation terms; kitchen management and safety; and the development of food preparation skills for quick breads, baked goods, dairy products, and protein-based foods. Reading food labels, shopping for and selecting recipe ingredients, and correct use of utensils and equipment to prepare food are practiced. Professional requirements of various careers and opportunities in food preparation and service are identified. ALL STUDENTS ENROLLED IN THIS COURSE ARE ELIGIBLE TO BECOME A MEMBER OF THE NATIONAL, STATE AND LOCAL FCCLA ORGANIZATION.

## NUTRITION AND WELLNESS 2

**Grade Level:** 9, 10, 11, 12    **Course No.** 6202 (8308)

**Length:** Semester

**Credit:** 0.5 Practical Arts

**Prerequisite:** A successful completion of Nutrition and Wellness 1

**COURSE DESCRIPTION:** As an advanced level nutrition and food preparation course, Nutrition & Wellness II involves more complex and detailed food preparation skills in the areas of appetizers, garnishes, cakes and frosting, pastry, yeast breads, meats, soups, pasta, and candy. Basic theory and principles learned in Nutrition and Wellness I will be reinforced. Investigations in food technology, nutrition, time and resource management techniques, food safety, and careers are developed. Students earning an 80% or better in this course and Nutrition and Wellness I with instructor recommendation can earn up to 9 college credit hours through the St. Louis Community College, credit by exam and/or Skill demonstration. ALL STUDENTS ENROLLED IN THIS COURSE ARE ELIGIBLE TO BECOME A MEMBER OF THE NATIONAL, STATE AND LOCAL FCCLA ORGANIZATION. Career Pathway options for Foods and Nutrition: Food Service and Management; Dietetics and Nutrition; Catering; Food Preparation (Chef, Asst. Chef); Fitness Coach.

## HUMAN DEVELOPMENT & CHILD CARE I

**Grade Level:** 10, 11, 12    **Course No.** 6208

**Length:** Semester

**Credit:** 0.5 Practical Arts

**Prerequisite:** None

**COURSE DESCRIPTION:** Human Development and Child Care I is a course designed by state and local guidelines to acquaint the student with the knowledge of physical human development and the responsibilities of planning for the primary care, or parenting, of young children. The dynamics of parent-child bonding, guiding development, social, emotional, financial, and intellectual experiences and considerations, and lifestyle changes are examined. A study of the male and female reproductive anatomy and its relationship to pregnancy is explored. Units of study include: conception, prenatal development and care, fetal growth and development, birth defects, types for childbirth, labor and delivery. Supplies for individual projects are the responsibility of the student. ALL STUDENTS ENROLLED IN THIS COURSE ARE ELIGIBLE TO BECOME A MEMBER OF THE NATIONAL, STATE AND LOCAL FCCLA ORGANIZATION.

## CHILD DEVELOPMENT AND CHILD CARE II

**Grade Level:** 10, 11, 12    **Course No.** 6209

**Length:** Semester

**Credit:** 0.5 Practical Arts

**Prerequisite:** A "C" or better in Human Development 1.

**COURSE DESCRIPTION:** Child Development II focuses on developmental principles and characteristics of the young child, ages one through five. Students will analyze different types of substitute care and will study child care laws, safety and health issues. Units of study will include: immunizations, principles of guidance and discipline, sequential developmental patterns, speech and language development, play and toys, nutrition, and developmental theories based upon well-known theorists and test developers in the area of child development. Students will develop activities which address the developmental and individual needs of infants, toddlers, and preschool age children. (Cost of individual supplies is the responsibility of the student.) Students will observe preschool age children in a formal setting, and have the elective opportunity to experience parenting by using an infant simulator. Students earning an 80% or better in this class and Child Development 1 may earn articulated college credit through St. Louis Community College. ALL STUDENTS ENROLLED IN THIS COURSE ARE ELIGIBLE TO BECOME A MEMBER OF THE NATIONAL, STATE AND LOCAL FCCLA ORGANIZATION. Career Pathway options for Child Development: Education (Teaching); Child Care; Medicine (Pediatrician); Developer of Children's toys and games; Children's Literature and illustrations; Fashion Designer for children's apparel.

## HOUSING ENVIRONMENTS AND DESIGN

**Grade Level:** 10, 11, 12

**Course No.** 6207

**Length:** Semester

**Credit:** 0.5 Practical Arts

**Prerequisite:** None

**COURSE DESCRIPTION:** Housing Environments and Design explores the various dimensions of selecting, planning, decorating and furnishing the places where we live. This course will prepare students to make decisions that will create a desirable living environment to meet individual and family needs. Human and environmental factors will be investigated as students explore types of housing, costs, exterior and interior design. Specific units in this course includes: design principles and elements, evaluation of floor plans, furnishing, flooring, window and wall treatments, housing styles, furniture styles and selection, architectural symbols, lighting and appliance selection. Creative projects will enable the students to showcase their individual artistic expression. This course is designed for personal use and career exploration. Supplies and materials for projects and applications are the student's responsibility. Career pathway options: Interior Decorator & Designer; Architect; Engineer; Landscape Architect.

## FAMILY LIVING AND INTERPERSONAL RELATIONSHIPS

**Grade Level:** 10, 11, 12

**Course No.** 6206

**Length:** Semester

**Credit:** 0.5 Practical Arts

**Prerequisite:** None

**COURSE DESCRIPTION:** This is a course designed to explore and gain an understanding of the individual's roles within the family and society. This is a discussion and activity course specifically designed to meet the needs, interests and lifestyles of the young adult. Units of study include: family structure, relationships with parents and friends, dating issues, sexuality, communication, values, decision-making, goal setting, conflict, crises and stress management, creating positive self-esteem and a healthy self image, Personal finance and budgeting are also examined.

## AFFTON PROFESSIONAL STUDIES PROGRAM - EDUCATION TRACK

**Grade Level:** 11, 12

**Course No.** 6111

**Length:** Year

**Credit:** 1.0 Practical Arts

**Prerequisite:** Completion of Introduction to Teaching and Education Technology is required for Teaching Practicum

**COURSE DESCRIPTION:** This program will engage students in a project-centered field of study in the area of teacher education.

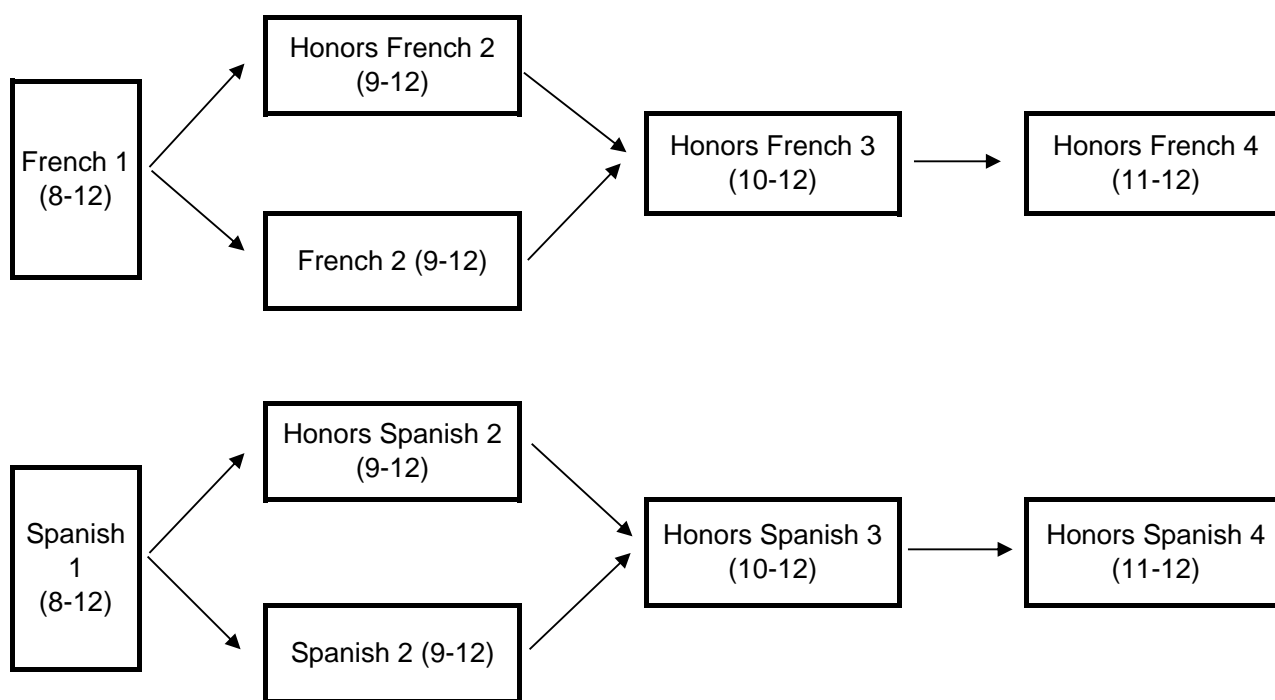
Students will have the opportunity to participate in internships, mentorship and networking. Students will be submerged in practices of educational technology and integrate 21st century skills into every piece of observation and coursework. Educational pedagogy as the basis for the profession will be included in the course. Students will experience the true core of the teacher-classroom experience.

**Introduction to Teaching** focuses on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education.

**Education Technology** students will learn how to integrate instructional technology into the P-12 classroom. Students will study a variety of software programs, presentation technology and telecommunication tools. The focus will also be on social, ethical, legal and human issues surrounding the use of technology.

**Teaching Practicum** is designed for students who are seriously considering the teaching profession. Each student is assigned to a district or neighboring district school. Participants combine in-class coursework with receiving onsite teaching practice. Onsite teaching projects include various activities, such as keeping daily log /blogs and weekly journals, preparing and presenting a lesson, and working closely with students of the assigned supervising teacher. Students are expected to actively participate in class, read assigned text and outside resources, complete major projects, written assignments, view appropriate videos and direct attention to guest speakers.

## Modern Language



## MODERN LANGUAGE

### SPANISH 1

**Grade Level:** 8-12

**Course No.** 7101

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** None

**COURSE DESCRIPTION:** Students are introduced to the four basic skills: listening, speaking, reading and writing. The goal is to focus on the most frequent real, everyday Spanish vocabulary. All of this is taught through immersion-based storytelling and comprehensible input.

### SPANISH 2

**Grade Level:** 9, 10, 11, 12

**Course No.** 7102

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** Successful completion of Spanish 1

**COURSE DESCRIPTION:** Students continue to develop the four basic skills: listening, speaking, reading and writing. The goal is to focus on the most frequent real, everyday Spanish vocabulary and expand grammatical structures. All of this is taught through immersion-based storytelling and comprehensible input. It is highly recommended and extremely important that the student continues from level 1 to level 2 in consecutive years.

### HONORS SPANISH 2

**Grade Level:** 8, 9, 10

**Course No.** 7122

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** A "B" average in Spanish 1 and/or instructor approval.

**COURSE DESCRIPTION:** Students continue to develop the four basic skills: listening, speaking, reading and writing. The goal is to focus on the most frequent real, everyday Spanish vocabulary and expand grammatical structures. All of this is taught through immersion-based storytelling and comprehensible input. It is highly recommended and extremely important that the student continues from level 1 to honors level 2 in consecutive years. This course is faster paced and goes more in depth than regular Spanish 2 in order to prepare for Honors Spanish 3.

### HONORS SPANISH 3

**Grade Level:** 10, 11, 12

**Course No.** 7123

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** A "B" or better in Spanish 2 or Honors Spanish 2.

**COURSE DESCRIPTION:** Students further develop the four basic skills: listening, speaking, reading and writing through more complex structures. All of this is taught through immersion-based storytelling and comprehensible input. It is highly recommended and extremely important that the student continues from honors level 2 to honors level 3 in consecutive years. This course may be taken for three (3) hours of college credit through the 1818 program at Saint Louis University. The Saint Louis University class is Spanish 101--Communicating in Spanish 1.

### HONORS SPANISH 4 - CIVILIZATION AND CULTURE

**Grade Level:** 11, 12

**Course No.** 7124

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** A "B" or better in Honors Spanish 3.

**COURSE DESCRIPTION:** Students sharpen the four basic skills: listening, speaking, reading and writing through a variety of complex structures. All of this is taught through immersion-based storytelling and comprehensible input. It is highly recommended and extremely important that the student continues from honors level 3 to honors level 4 in consecutive years. This course may be taken for six (6) hours of college credit through the 1818 program at Saint Louis University. The Saint Louis University class is Spanish 102--Communicating in Spanish II (3 credit hours). The second semester class is Spanish 201--Intermediate Spanish: Language and Culture (3 credit hours).

## FRENCH 1

**Grade Level:** 8-12

**Course No.** 7001

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** None

**COURSE DESCRIPTION:** This course introduces the student to the French language and the four basic skills: listening, reading, speaking, and writing. Students learn to carry out simple written and conversational tasks in everyday situations, such as, the classroom, the family and shopping. The study of France and Francophone countries, culture, geography and history puts language acquisition into a living context.

## FRENCH 2

**Grade Level:** 9, 10, 11, 12

**Course No.** 7002

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** Successful completion of French 1.

**COURSE DESCRIPTION:** This course builds upon the functions covered in French 1 with development and expansion of vocabulary in the context of expressing opinions and preferences. Students learn to talk about the past, present and future. French 2 presents additional cultural information about French-speaking people, specifically French high school students and their life styles.

## HONORS FRENCH 2

**Grade Level:** All

**Course No.** 7022

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** A "B" average in French 1 or Instructor's approval.

**COURSE DESCRIPTION:** The Modern Language Honors courses differ from the regular sections in that they are enriched regarding culture and language proficiency. Students actively develop language proficiency through role-playing and authentic activities. Greater effort is made to improve writing techniques and to promote self-expression, both written and verbal. Students take increasing responsibility for their own learning and are expected to study and perform at a lively pace.

## HONORS FRENCH 3

**Grade Level:** 10, 11, 12

**Course No.** 7023

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** A "B" or higher in French 2 or Honors French 2.

**COURSE DESCRIPTION:** This course completes the study of basic grammar, verbs and vocabulary. More emphasis is placed on conversation, reading comprehension of authentic literature and basic expository writing. Cultural awareness is developed through media and short literary works. Frequent compositions challenge students' thinking and help them master the use of literary terms, syntax, grammar and vocabulary. Honors French 3 may be taken for 3 hours of college credit through the 1818 Advanced College Credit program at Saint Louis University. The Saint Louis University class is French 110 - Introduction to French Language and Culture.

## HONORS FRENCH 4 - CIVILIZATION AND CULTURE

**Grade Level:** 11, 12

**Course No.** 7024

**Length:** Year

**Credit:** 1.0 Electives

**Prerequisite:** A "B" or higher in Honors French 3.

**COURSE DESCRIPTION:** This course develops and expands language skills already learned in the context of culture and civilization. Students read, discuss and write about current events taken from newspaper articles, short stories, poems, plays, film and authentic literature. Frequent oral presentations and compositions prepare students to express themselves in French with accuracy and confidence. Honors French 4 may be taken for 6 hours of college credit through the 1818 Advanced College Credit Program at Saint Louis University. The first semester class is French 115 - Communicating in French II (3 hours credit). The second semester class is French 210 - Intermediate French: Language and Culture (3 hours credit).

## Music Department

Band  
(9-12)

Orchestra  
(9-12)

Chorale  
(9-12)

Treble Choir  
(9-12)

Survey of Music  
(9-12)

Music Theory  
(10-12)

# MUSIC

## BAND

**Grade Level:** 9, 10, 11, 12    **Course No.** 4201 (Honors 4221)    **Length:** Year    **Credit:** 1.0 Fine Arts  
**Prerequisite:** A minimum of one year of prior band instruction or approval of instructor.

**COURSE DESCRIPTION:** Band is open to all students who play an appropriate wind or percussion instrument. While previous instruction is acceptable, it may not be necessary. The course of study for band includes concert, pep and marching band. Because band is a performing group (programs, adjudicated festivals, football and basketball pep band, community and special events), students enrolled are required to participate in all group performances. Participation in required performances is a portion of the student's grade. Other groups within the band include drum line (meets outside of regular class) and flags (football season only).

## ORCHESTRA

**Grade Level:** 9, 10, 11, 12    **Course No.** 4202 (Honors 4222)    **Length:** Year    **Credit:** 1.0 Fine Arts  
**Prerequisite:** Approval of instructor / audition.

**COURSE DESCRIPTION:** The orchestra is open to students who can play an appropriate stringed instrument (violin, viola, cello, and string bass). Proficiency should be at least at an intermediate level. The course of study will include varied types and styles of music, ranging from the Baroque masters through contemporary pop music. Both string orchestra and full orchestra repertoire will be studied. Students enrolled are required to participate in all group performances, with a portion of their grade being based on performance

## CHORALE

**Grade Level:** 9, 10, 11, 12    **Course No.** 4204    **Length:** Year    **Credit:** 1.0 Fine Arts  
**Prerequisite:** None

**COURSE DESCRIPTION:** Chorale is open to students who are interested in singing in a choir consisting of sopranos, altos, tenors and basses. The course curriculum includes developing vocal skills, reading and notating music, singing a varied repertoire of music and understanding music in relation to history and culture. Students will perform at concerts and special events. **Performances are required.** Eleventh and Twelfth grade choir members may audition for All-District Choir and All-State Women's Treble Choir. Ninth and Tenth grade members will be selected to participate in the All-Suburban Honor Choir. Any senior choral members of four years can take choir for a weighted honors credit. **See HONORS BAND/ORCHESTRA/CHOIR GUIDELINES.**

## TREBLE CHOIR

**Grade Level:** 9, 10, 11, 12    **Course No.** 4203    **Length:** Year    **Credit:** 1.0 Fine Arts  
**Prerequisite:** None

**COURSE DESCRIPTION:** Treble Choir is open to students who are interested in singing in a women's ensemble consisting of sopranos, mezzo sopranos and altos. The course curriculum includes developing vocal skills, reading and notating music, singing a varied repertoire of music and understanding music in relation to history and culture. Students will perform at concerts and special events. **Performances are required.** Eleventh and Twelfth grade choir members may audition for All-District Choir and All-State Choir and All-District Women's Treble Choir. Ninth and Tenth grade members will be selected to participate in the All-Suburban Honor Choir. Any senior choral members of four years can take choir for a weighted honors credit. **See HONORS BAND/ORCHESTRA/CHOIR GUIDELINES.**

## SURVEY OF MUSIC

**Grade Level:** 9, 10, 11, 12    **Course No.** 4205    **Length:** Semester    **Credit:** 0.5 Fine Arts  
**Prerequisite:** None

**COURSE DESCRIPTION:** Survey of Music provides an opportunity for students to study numerous aspects of music. The areas of study include: basic fundamentals of music notation and reading composers and their music, various facets of the music business and music careers, and basic instruction on guitar or keyboard. Survey of Music is a non-public performance course with grades based on written and playing test scores and class participation.

## INTRO TO MUSIC THEORY

**Grade Level:** 10, 11, 12    **Course No.** 4208    **Length:** Semester    **Credit:** 0.5 Fine Arts  
**Prerequisite:** None **NOTE:** Course offering based upon enrollment

**COURSE DESCRIPTION:** Through the use of computer software, textbooks and practical application, Introduction to Music Theory will allow students to study the fundamental structure of musical composition. These fundamental structures include, but are not limited to, traditional chord structure, modern compositional techniques, melodic development, score analysis and transposition. Open to all Band, Choir and Orchestra students. If a student is not in any of the ensembles listed, They must demonstrate a working knowledge of music reading.

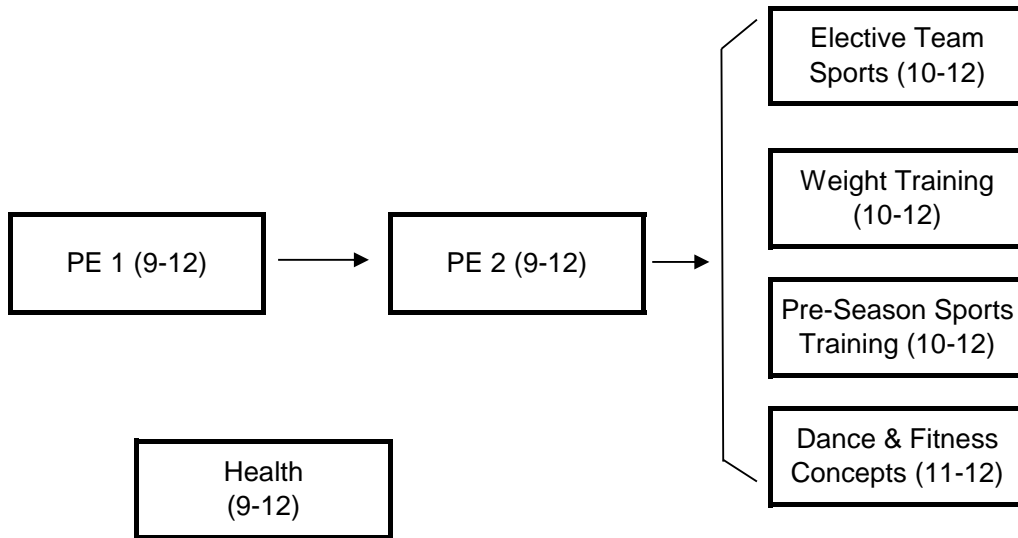
## HONORS BAND/ORCHESTRA/CHOIR GUIDELINES

The following criteria must be met by students of band, orchestra and choir, in order to receive more grade point weight:

1. Must be senior member for four years in the respective ensemble.
2. Must attend all required performances and special rehearsals for their respective ensemble.
3. Must complete the audition process for district honors ensembles (Fall Semester).
4. Must participate in St. Louis Suburban District Solo ensemble Festival and not receive lower than a "B" or "II" Rating (Spring Semester).
5. Must participate in a minimum of one extra performing group comprised of members from full ensemble. if applicable (i.e. Pep Band, Pit Orchestra, special occasion performances, musical chorus/leading role, and other at discretion of the director.)
6. Must display the attitude, conduct, and participation becoming of an Affton ensemble member.
7. Must comply with all guidelines and policies established for their respective ensemble.



## Physical Education Department



# PHYSICAL EDUCATION

## HEALTH

**Grade Level:** 9      **Course No.** 5001      **Length:** Semester      **Credit:** 0.5 PE  
**Prerequisite:** None

**COURSE DESCRIPTION:** This **required** course will emphasize decision making skills and life lessons which are necessary in one's personal health behavior. Students will examine health issues and topics, such as, wellness, mental health, stress, relationships, disease prevention, substance abuse and prevention, safety and first aid, nutrition and community and environmental health.

## PHYSICAL EDUCATION 1

**Grade Level:** 9, 10      **Course No.** 5103 - B / 5104 - G      **Length:** Semester      **Credit:** 0.5 PE  
**Prerequisite:** None

**COURSE DESCRIPTION:** The main focus of this **required** course is introducing various game concepts in several sports and individual activities. Units that may be included are flag football, volleyball, lacrosse, fitness, weight training, soccer, floor hockey, swimming, basketball, softball/baseball, team handball, field hockey, badminton, pickle ball, and ultimate Frisbee. Students will be expected to complete written work, skills testing and participate in class activities. **Students are required to bring a change of clothes and shoes for class.**

## PHYSICAL EDUCATION 2

**Grade Level:** 9, 10      **Course No.** 5103 - B / 5104 - G      **Length:** Semester or Year      **Credit:** 0.5 or 1.0 PE  
**Prerequisite:** Successful completion of Physical Education 1.

**COURSE DESCRIPTION:** The main focus of this **required** course is a continuation of game concepts in several sports and individual activities. PE II will place emphasis on health-related fitness and activities. Students will have knowledge of rules and strategies, written tests, and skills testing, including team and individual sports. Ongoing assessment includes both written and performance-based skill evaluations. **Students are required to bring a change of clothes and shoes for class.**

## ELECTIVE TEAM SPORTS

**Grade Level:** 10, 11, 12      **Course No.** (S1) 5303, (S2) 5313      **Length:** Semester or Year      **Credit:** 0.5 or 1.0 PE  
**Prerequisite:** Successful completion of Physical Education 1 and 2 or teacher recommendation.

**COURSE DESCRIPTION:** This is a co-educational class setting. The main focus of this course is team sports and individual activities. Units that may be included are flag football, volleyball, lacrosse, fitness, weight training, soccer, floor hockey, water unit, basketball, softball, team handball, field hockey, badminton, pickle ball and ultimate Frisbee. Ongoing assessment includes both written and performance-based skill evaluations. **Students are required to bring a change of clothes and shoes for class. Self-motivation is important in this course.**

## WEIGHT TRAINING

**Grade Level:** 10, 11, 12      **Course No.** (S1) 5333, (S2) 5343      **Length:** Semester or Year      **Credit:** 0.5 or 1.0 PE  
**Prerequisite:** Successful completion of Physical Education 1 and 2 or teacher recommendation.

**COURSE DESCRIPTION:** This is a co-educational class setting. This course will instruct safety procedures in weight room, as well as, proper warm-up and cool-down methods. Students will learn the fundamentals of weight lifting and follow a workout plan. Students are required to keep a notebook with exercises and chart progress. Ongoing assessment includes both written and performance-based skill evaluations. **Students are required to bring a change of clothes and shoes for class. Self-motivation is important in this course.**

## PRE-SEASON SPORTS TRAINING

**Grade Level:** 10, 11, 12      **Course No.**      **Length:** Semester or Year      **Credit:** 0.5 or 1.0 PE  
**Prerequisite:** Sem 1: must have played a winter or spring sport the previous year and have a recommendation from your coach or a PE teacher. Sem 2: must have played a fall sport that year or a winter or spring sport the previous year and have a recommendation for your coach or a PE teacher.

**COURSE DESCRIPTION:** This is a co-educational course that offers a variety of sport-specific training in both weight training and plyometrics. This is designed to be a high intensity class to prepare athletes for the upcoming or current athletic season. **You must have played a sport specific to a certain season to be eligible for this class.**

## DANCE & FITNESS CONCEPTS

**Grade Level:** 11, 12

**Course No.**

**Length:** Semester

**Credit:** 0.5 PE

**Prerequisite:** Successful completion of Physical Education 1 and 2 or teacher recommendation.

**COURSE DESCRIPTION:** This is a female class setting. The focus will be to expose students to a variety of dance techniques. These techniques will include, but are not limited to: ballet, jazz, hip-hop, line dancing, swing and salsa. Other aerobic activities such as Yoga and Pilates will also be experienced in this class. Students will learn proper theories, history and techniques of these dances. The class will climax with a group performance choreographed by the students.

## SPECIAL SERVICES

### CONSUMER ENGLISH 1

**Grade Level:** 9, 10, 11, 12    **Course No.** 8001

**Length:** Year

**Credit:** 1.0 English

**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** This course is designed to develop student's communication skills through a variety of methods, with an emphasis on grammar, sentence writing, reading strategies and comprehension, plot and characters. Students will respond to various forms of literature including fiction and nonfiction to develop their skills. Students will do daily writing activities, paragraph development and essays.

### CONSUMER ENGLISH 2

**Grade Level:** 9, 10, 11, 12    **Course No.** 8002

**Length:** Year

**Credit:** 1.0 English

**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** This course is a continuation of Consumer English 1 with more intense focus on analyzing literature, writing essays, and using various short stories, poems, and non-fiction articles. The Missouri EOC for English 2 will be taken at the end of second semester in this class.

### CONSUMER MATH I

**Grade Level:** 9, 10, 11, 12    **Course No.** 8104

**Length:** Year

**Credit:** 1.0 Math

**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** This course is designed to develop student's individual post-secondary and transition plans in the classroom, as well as, in the community. Many of the units taught in this class are integrates for continuous acquisition of application skills, some of which are assessed through real life situational experiences. The students will represent and use rational numbers, develop fluency with numbers and analyze patterns. They will represent and interpret data, use measurement skills, and geometric relationships.

### CONSUMER MATH II

**Grade Level:** 9, 10, 11, 12    **Course No.** 8105

**Length:** Year

**Credit:** 1.0 Math

**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** This course is designed to develop the student's individual arithmetic and mathematic skills in preparation for movement to Algebra 1A and /or Intermediate Algebra. Students will increase their knowledge of rational numbers, order of operations, pre-algebraic expressions, and pre-geometry relationships

### LIFE BIOLOGY

**Grade Level:** 11, 12    **Course No.** 8205

**Length:** Year

**Credit:** 1.0 Science

**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** This course is designed to develop the students' understanding of biological topics such as, biochemistry, cells, genetics, evolution and ecology. In this course, students will apply the scientific method to the above topics.

### CONSUMER WORLD HISTORY III

**Grade Level:** 10, 11, 12    **Course No.** 8314

**Length:** Year

**Credit:** 1.0 Social Studies

**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** World History III covers the conflicts and the 20th Century and the impact on our society. Students will discuss the causes leading up to World War II, the Cold War, and ultimately, the Post Cold War challenges that our world deals with today.

### CONSUMER AMERICAN GOVERNMENT

**Grade Level:** 9, 10, 11, 12    **Course No.** 8311

**Length:** Year

**Credit:** 1.0 Social Studies

**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** American Government covers the basic understanding of how we established our government, developed into a 2-party system and the branches of government. Students will cover the State government, the Federal government, what each is responsible for, and compare and contrast each.

### CONSUMER U. S. HISTORY

**Grade Level:** 11, 12      **Course No.** 8317      **Length:** Year      **Credit:** 1.0 Social Studies  
**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** U.S. History examines the major events in American History from the nation's beginnings to the present day, with in-depth coverage of the 20th century. Students study the political, economic, social and cultural development of the nation.

### CORRECTIVE READING

**Grade Level:** 9, 10, 11, 12      **Course No.** 8707      **Length:** Year      **Credit:** 1.0 Elective/or English credit  
**Prerequisite:** Recommended of IEP Team with department approval

**COURSE DESCRIPTION:** Students will learn how to figure out the "puzzle" of reading. They will start by learning to decode words in isolation, in sentences, and in a variety of reading passages. The students will learn to use word attack strategies to help them read words more accurately. As the students are able to decode words, their fluency and accuracy will improve. Becoming more accurate readers will allow the students to understand and comprehend the material they have read.

### READING LABS 1, 2 AND 3

**Grade Level:** 10, 11, 12      **Course No.** 8708 (1), 8709 (2), 8710 (3)      **Length:** Year      **Credit:** 1.0 Elective/or English credit  
**Prerequisite:** Recommended of IEP Team with department approval

**COURSE DESCRIPTION:** The Reading Lab will help students to become more confident readers and writers. This class will teach students strategies to help them read difficult multisyllabic words. As students are able to accurately decode words, they will be able to read text with a higher rate of fluency. This class will also focus on comprehension strategies to help student infer information from the text. The students will also learn how to paraphrase information. These skills will be taught through effective strategies that will help improve their comprehension skills. Students will also learn how to use more precise words when writing and will learn how to avoid overusing words by expanding more vocabulary. Students will also learn how to combine ideas when writing and how to expand on their ideas to write more detailed sentences. All of these interventions will help the students become more confident readers and writers.

### CONSUMER FOODS

**Grade Level:** 9, 10, 11, 12      **Course No.** 8307 (S1), 8308 (S2)      **Length:** Year      **Credit:** 1.0 Elective  
**Prerequisite:** Recommended of IEP Team

name and usage for cooking utensils, common cookware and small appliances. Learning proper food labels, the food pyramid, and planning a healthy and balanced meal are practiced. Dining etiquette is taught and practiced both on class cooking days and in public restaurants on service learning trips. Restaurant terms and language are also covered.

### LEARNING STRATEGIES

**Grade Level:** 9, 10, 11, 12      **Course No.** 8701      **Length:** Year      **Credit:** 1.0 Elective  
**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** This course is designed to help students develop comprehension and language skills. It will teach learning strategies for test taking, organization, study skills and school success. Social skills and self advocacy will also be addressed.

### LIFE CHOICES

**Grade Level:** 9, 10, 11, 12      **Course No.** 8703      **Length:** Year      **Credit:** 1.0 Elective  
**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** This course is designed to teach appropriate school behavior, self awareness, anger and stress management, self-advocacy and interpersonal skills. It is designed to be a discussion and activity format to address specific student needs.

### COOPERATIVE WORK EXPERIENCE

**Grade Level:** 9, 10, 11, 12      **Course No.** 8604a (S1), 8604b (S2)      **Length:** Semester/Year      **Credit:** 1.5 or 3.0 Electives  
**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** This program is available for qualifying high school students with disabilities whose Individualized Education Programs (IEP) indicate the need for work experience in a competitive setting and who are also eligible as clients of the Division of Vocational Rehabilitation. Program goals include the acquisition of general skills related to performing work under supervision, as well as, job-related skills. COOP is a school-sponsored program in collaboration with the Division of Vocational Rehabilitation (DVR) designed for an individual student to gain paid employment as part of the school course of study. Student's with IEPs who are certified eligible by DVR may qualify for this program facilitated by an IEP team decision to participate.

## COMMUNITY BASED VOCATIONAL INSTRUCTION

**Grade Level:** 11, 12      **Course No.** 8602a (S1), 8602b (S2)      **Length:** Semester/Year      **Credit:** 1.5 or 3.0 Electives  
**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** Community Based Vocational Instruction (CBVI) is a teacher approved program available for high school students age 16 and older in need of work experience in a competitive setting. By participating in CBVI, 3 hours of the school day, students receive three elective course credits towards the 7.5 needed to fulfill graduation requirements. CBVI is designed to provide the experience of working to those who have limited or no work experience or who need extra support in being successful on the job. Students have the opportunity to learn skills in the areas of retail, grocery and customer service.

## LIFE SKILLS PROGRAM

**Grade Level:** 9, 10, 11, 12      **Course No.** 8318      **Length:** Semester/Year      **Credit:** Varies  
**Prerequisite:** Recommended of IEP Team

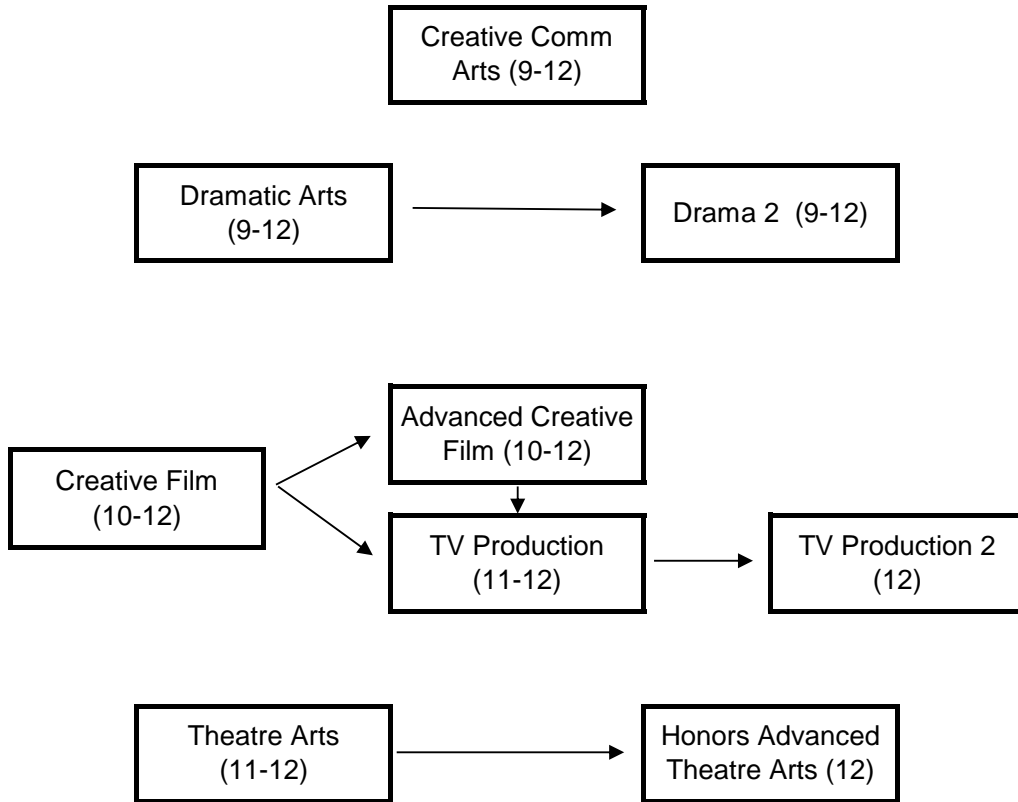
**COURSE DESCRIPTION:** The life skills program includes courses offered to high school aged students who need more support with curriculum and social aspects, and whose post graduate goal is supported employment or independent living. The program is designed to offer hands on experiences to real world, life related experiences and to guide them into skills or behaviors that will help them become successful in everyday life. The program offers courses related to math skills, English skills, Community based vocational instruction, history skills and science skills.

## ADAPTIVE PE

**Grade Level:** 9, 10, 11, 12      **Course No.** 8800      **Length:** Semester/Year      **Credit:** Varies  
**Prerequisite:** Recommended of IEP Team

**COURSE DESCRIPTION:** The main focus of this **required** course is introducing various game concepts in several sports and individual activities. Units that may be included are flag football, volleyball, lacrosse, fitness, weight training, soccer, floor hockey, swimming, basketball, softball/baseball, team handball, field hockey, badminton, pickle ball, and ultimate Frisbee. Students will be expected to complete written work, skills testing and participate in class activities. **Students are required to bring a change of clothes and shoes for class.**

## Speech & Drama Department



## SPEECH AND DRAMA

### CREATIVE COMMUNICATION ARTS

**Grade Level:** 9, 10, 11, 12    **Course No.** 4401

**Length:** Semester

**Credit:** 0.5 Fine Arts or  
Speech

**Prerequisite:** None

**COURSE DESCRIPTION:** In this course you will learn basic speaking skills linked with creative thinking through performance and observing speeches. You will be able to demonstrate beginning organizational skills for a speech using supportive materials, a comprehensive outline, and visual aids. You will also learn how to listen and speak effectively in a variety of situations.

### DRAMATIC ARTS

**Grade Level:** 9, 10, 11, 12    **Course No.** 4411

**Length:** Semester

**Credit:** 0.5 Fine Arts or  
Speech

**Prerequisite:** None

**COURSE DESCRIPTION:** This is an introductory course in theatre. You will develop skills in concentration, movement, voice, characterization, improvisation and the basic principals of dramatic structure through pantomime, duet acting, directing, and a one act performance.

### DRAMA 2

**Grade Level:** 9, 10, 11, 12    **Course No.** 4412

**Length:** Semester

**Credit:** 0.5 Fine Arts or  
Speech

**Prerequisite:** A successful completion of Dramatic Arts

**COURSE DESCRIPTION:** Using the skills you learned in Dramatic Arts, you will be able to analyze the history of theatre. You will expand your work in movement, characterization, stylization, writing, directing and acting through characterization, play analysis, class projects and scene work.

### CREATIVE FILM, VIDEO, MEDIA ARTS

**Grade Level:** 10, 11, 12    **Course No.** 4402

**Length:** Semester

**Credit:** 0.5 Fine Arts or  
Speech

**Prerequisite:** None

**COURSE DESCRIPTION:** Students will learn the basics of camera operation and techniques, writing original and adapted scripts, film criticism, and giving presentations incorporating media. Students will plan, create, film and critique two major full length projects.

### HONORS ADVANCED CREATIVE FILM, VIDEO, MEDIA ARTS

**Grade Level:** 10,11,12    **Course No.** 4424

**Length:** Semester

**Credit:** 0.5 Fine Arts

**Prerequisite:** A "B" in better in Creative Film, Video, Media Arts

**COURSE DESCRIPTION:** This is an honors course which builds on the knowledge and skills of creative film production learned in Creative Film. Students continue their mastery of the pre-production and production processes and learn post-production skills. Students extend their skills with a variety of technological tools including non-linear editing equipment. Students demonstrate their knowledge of film styles and film theory, write professional scripts, and plan and create professional quality film products.

### TELEVISION PRODUCTION 1

**Grade Level:** 11    **Course No.** 4404

**Length:** Year

**Credit:** 1.0 Fine Arts

**Prerequisite:** An "A" or better in Creative Film and a teacher approval or Advance Creative Film.

**COURSE DESCRIPTION:** This is a hands-on course that will produce a weekly television program with all aspects of production housed to our school and produced by the students. In this class, students will learn the basics of television production. Students will experiment with various areas of television productions.

### TELEVISION PRODUCTION 2

**Grade Level:** 12    **Course No.** 4405

**Length:** Year

**Credit:** 1.0 Fine Arts

**Prerequisite:** A "B" or better in Creative Film, Advanced Creative Film, and TV Production 1 and a teacher approval.

**COURSE DESCRIPTION:** This is an advanced class for television production in which the student will assume the management position of the station and do all advanced work and editing for the station. Students will earn practical hands-on experience in television



## THEATRE ARTS

**Grade Level:** 11, 12      **Course No.** 4413 (S1), 4423 (S2)      **Length:** Semester or Year      **Credit:** 0.5 or 1.0 Fine Art  
**Prerequisite:** A teacher approval.      or Speech

**COURSE DESCRIPTION:** This course is designed to involve students in the creative process and to offer opportunity for play production.

Special Requirements:

1. Junior or Senior
2. All students admitted into the class with the recommendation of the teacher.
3. Attendance two nights a week (6:30 - 8:30 pm) Tuesday and Thursday. For any additional time spent on this course, the student can receive extra credit for Thespian points.
4. A genuine interest in the dramatic arts.

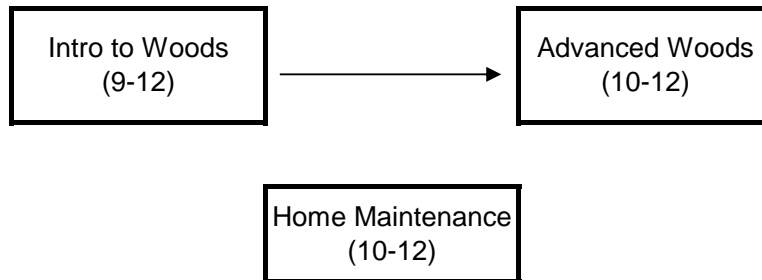
Students enrolled will be the company working on all phases of the theatre program. Participation in a theatrical production in a position of major responsibility will be required. Classroom and practical laboratory experience in areas of production will be taught. The course will also include the selection of a play, tryouts, rehearsal schedules, directing and technical production: makeup, costumes, publicity, props, student directing, choreography and other areas as interest is shown. As rehearsals proceed, students will work with the phase they are dealing with directly. They will work in two technical areas in the fall and in the spring. Students may enroll in two semesters of theatre arts. A student may enroll in the fall semester and work on the fall production which the student directs and produces followed by a second project which is the choice of the class. A student may enroll in the spring semester which produces the spring musical. This course satisfies the graduation requirement for speech/drama.

## HONORS ADVANCED THEATRE ARTS

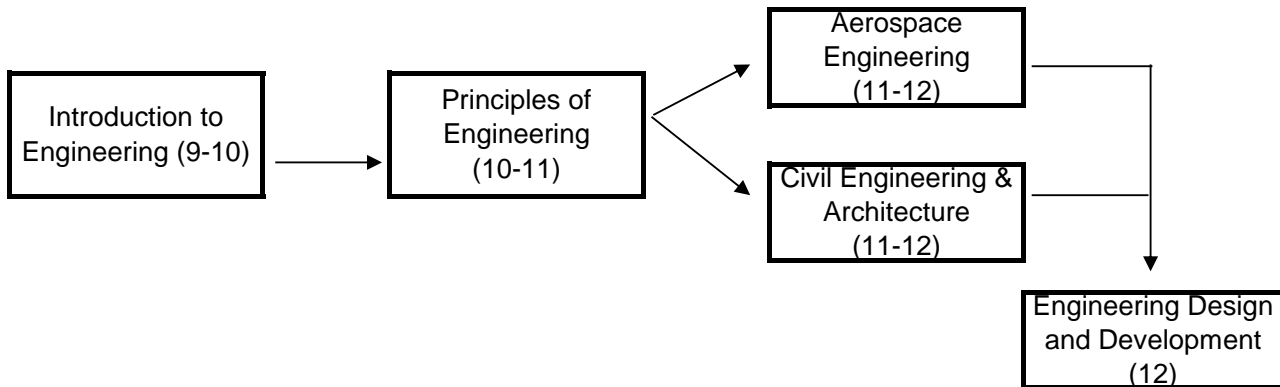
**Grade Level:** 12      **Course No.** 4434 (S1), 4435 (S2)      **Length:** Semester or Year      **Credit:** 0.5 or 1.0 Fine Art  
**Prerequisite:** A successful completion of Theatre Arts and a teacher approval.      or Speech

**COURSE DESCRIPTION:** This course is designed for students who wish to pursue their interest in the technical aspects of the theatre at a more sophisticated level. The class will meet concurrently with Theatre Arts, but the student will be engaged in more complex activities, such as, directing, designing, and producing with full responsibility for that job. Students will be expected to teach skills directly to their crews and develop a plan and objectives. Advanced Theatre Arts will fulfill a fine arts credit, a 0.5 credit per semester. Advanced Theatre Arts is considered an Honors course both semesters of their senior year for those seniors who have taken Theatre Arts for four (4) semesters. **Students may enroll in the 1818 program and receive additional college credit for Honors Advanced Theatre Arts their senior year.**

## Technical Education Department



## Engineering Department



\*Engineering Program: Students must take a math course along with the Engineering course each year.

## TECHNICAL EDUCATION

### INTRODUCTION TO WOOD TECHNOLOGY

**Grade Level:** 9, 10, 11, 12    **Course No.** 6302

**Length:** Semester

**Credit:** 0.5 Practical Art

**Prerequisite:** None

**COURSE DESCRIPTION:** This course provides information about wood and the production of wood products through the safe use of hand and power tools that are commonly found in industry. The course will offer the student an opportunity to construct projects that may be taken home upon completion.

### ADVANCED WOOD TECHNOLOGY

**Grade Level:** 10, 11, 12    **Course No.** 6305

**Length:** Semester

**Credit:** 0.5 Practical Art

**Prerequisite:** Successful completion of Intro to Wood Technology.

**COURSE DESCRIPTION:** This course provides a place for a student who has shown skills and abilities in Wood Production Technology to enhance and advance those skills and abilities to a broader and higher level. The course will involve making fine furniture and complex projects. Project materials will be supplied up to \$25 for materials per project.

### HOME MAINTENANCE AND REPAIR

**Grade Level:** 10,11, 12    **Course No.** 6307

**Length:** Semester

**Credit:** 0.5 Practical Art

**Prerequisite:** None

**COURSE DESCRIPTION:** This course provides information about basic home design, home building techniques, home maintenance and care. The students will learn techniques and terminology to plan, prepare, build, and clean up projects around the house.

# ENGINEERING

## PLTW INTRODUCTION TO ENGINEERING (IED)

**Grade Level:** 9, 10      **Course No.** 6308      **Length:** Full Year      **Credit:** 1.0 Practical Art  
**Prerequisite:** Separate application is required

**COURSE DESCRIPTION:** This course is a foundation course in the Engineering Academy that teaches students problem-solving skills using the design and production process. Hands-on labs and Inventor design software are used as learning tools for students to design and produce projects related to industry. Students should take this as the first course in the sequence of courses offered in the Engineering Academy program. Articulated college credit of 3 hours can be earned through St Louis Community College. Possible dual college credit available. Placement in PLTW will be based on attendance, math grades, science grades, and teacher recommendations.

## PLTW PRINCIPLES OF ENGINEERING (POE)

**Grade Level:** 10,11      **Course No.** 6309      **Length:** Full Year      **Credit:** 1.0 Practical Art  
**Prerequisite:** C or better in IED

**COURSE DESCRIPTION:** This course is a foundation course in the Engineering Academy that helps students understand the field of engineering by exploring various technology systems and manufacturing processes. Students learn how engineers use math, science, and technology in the engineering problem-solving process. Hands-on labs and Inventor design software are used as learning tools. This is the second course in the sequence of courses offered in the Engineering Academy program. Articulated college credit of 3 hours can be earned through St Louis Community College. Possible dual college credit available.

## PLTW CIVIL ENGINEERING & ARCHITECTURE (CEA)

**Grade Level:** 11, 12      **Course No.** 6310      **Length:** Full Year      **Credit:** 1.0 Practical Art  
**Prerequisite:** C or better in POE

**COURSE DESCRIPTION:** This course involves completion of long-term projects which involve the development of property sites. Students have freedom to develop the property as they apply aspects of civil and architectural engineering to the project. Using 3D design software, students work in teams exploring hands-on activities to learn the characteristics of civil engineering and architecture. Also, students learn about documenting their project, solving problems and communicating solutions to both peers and members of the professional civil engineering and architecture community. Articulated college credit of 3 hours are available through St Louis Community College. Possible dual college credit available.

## PLTW AEROSPACE ENGINEERING (AE)

**Grade Level:** 11, 12      **Course No.** 6312      **Length:** Full Year      **Credit:** 1.0 Practical Art  
**Prerequisite:** C or better in POE

**COURSE DESCRIPTION:** This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. Possible dual college credit is available.

## PLTW ENGINEERING DESIGN & DEVELOPMENT (EDD)

**Grade Level:** 12      **Course No.** 6311      **Length:** Full Year      **Credit:** 1.0 Practical Art  
**Prerequisite:** C or better in CEA

**COURSE DESCRIPTION:** The capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. Students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. Articulated college credit of 3 hours are available through St Louis Community College. Possible dual college credit

## ELECTIVES

### ACT PREP CLASS

**Grade Level:** 11, 12      **Course No.** 7314      **Length:** Semester      **Credit:** 0.5 Elective  
**Prerequisite:** Must be planning to take the ACT test, successful completion of Alg 2 or concurrent enrollment in Alg 2.

**COURSE DESCRIPTION:** This course is for students who want to focus on improving their ACT score. Test-taking strategies and review of content will be the primary focus. It will not replace any coursework where the content is taught for mastery, but rather, it will give students a chance to apply their skills to the testing format. Class time will be divided approximately evenly between the four multiple-choice sections: English, Math, Reading and Science. Students will take several practice tests and receive feedback so they can identify and correct their mistakes. Seniors will have priority in the fall and juniors in the spring. This class may only be taken once.

### ENGLISH LANGUAGE LEARNERS (ELL)

**Grade Level:** 9, 10, 11, 12      **Course No.** 7310      **Length:** Year      **Credit:** 1.0 Elective / or English credit with departmental approval  
**Prerequisite:** Teacher Recommendation

**COURSE DESCRIPTION:** This course is an elective course designed to allow limited English proficient students (LEP) to develop their speaking, listening, reading and writing skills. The goal is to assimilate the students in Affton High School's content classes. This course may be taken four times for credit.

### CADET TEACHING

**Grade Level:** 11, 12      **Course No.** 7300      **Length:** Semester/Year      **Credit:** None  
**Prerequisite:** Student must fill out an application and must have a GPA of 2.5 and have at least a "B" in the course for which he/she plans to cadet teach.

**COURSE DESCRIPTION:** Cadet teachers participate in a variety of activities which acquaint them with the teaching process. In addition to helping the teacher with such activities as, preparation of material and arranging bulletin boards, the cadet will assist in instructional activities like, working as tutor with students individually or in small groups. Since Cadet Teaching is a participation course, good attendance is a requirement. STUDENTS WILL BE RESPONSIBLE FOR THEIR OWN TRANSPORTATION TO AND FROM OFF CAMPUS TEACHING ASSIGNMENTS. This course can be taken for a total of two semesters.

## JOURNALISM

### YEARBOOK PRACTICUM 1

**Grade Level:** 10, 11, 12      **Course No.** 7201      **Length:** Year      **Credit:** 1.0 Elective

**COURSE DESCRIPTION:** The curriculum in this course is structured to develop in students the real life skills necessary to produce the Affton High School Yearbook. Students will be required to participate in all aspects of the production and to contribute to the publication, including book composition and advertising sales. Students will also learn, as a member of a staff, to accept responsibility for deadlines, to polish their writing skills in journalistic style and to layout and design copy for mass publication using Adobe InDesign. Students may be required to participate in activities outside the class time to complete assignments.

### YEARBOOK PRACTICUM 2 AND 3

**Grade Level:** 11, 12      **Course No.** 7202 (2), 7203 (3)      **Length:** Year      **Credit:** 1.0 Elective  
**Prerequisite:** Yearbook Practicum 1 and teacher approval

**COURSE DESCRIPTION:** Students enrolled in these courses will serve as the editorial leaders of the Affton High School Yearbook. They will assist in supervising the business aspects of the publication, as well as, the writing and design of the publication using Adobe InDesign. Students may be required to participate in activities outside of class time to complete assignments.

## VIRTUAL & ONLINE LEARNING COURSES

### ACT PREP

**Grade Level:** 11, 12

**Length:** Semester

**Credit:** .5 Elective

**COURSE DESCRIPTION:** This course provides students with the opportunity to prepare to successfully complete the ACT college-entrance exam. On-screen teachers demystify the exam with an overview of the exam and its content, as well as proven test-taking strategies. Practice tests modeled after the ACT exams are used to diagnose and target areas of opportunity. Students are prescribed individualized paths of study and provided instructional content for review including video-based instruction by highly-qualified teachers, interactive assignments and regular assessment opportunities to track progress.

### ART HISTORY

**Grade Level:** All

**Length:** Semester

**Credit:** .5 Elective

**COURSE DESCRIPTION:** Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this one-semester course will cover topics including early Medieval and Romanesque art; art in the 12th, 13th and 14th centuries; 15th century art in Europe; 16th-century art in Italy; the master artists; high Renaissance and Baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; 18th – and 19th-century art in Europe and the Americas; and modern art in Europe and the Americas.

### ADVANCED PLACEMENT ART HISTORY

**Grade Level:** 11, 12

**Length:** Year

**Credit:** 1.0 Elective

**COURSE DESCRIPTION:** This course is designed to broaden students' knowledge of architecture, sculpture, painting, and other art forms within various historical and cultural contexts. In AP Art History, students identify and classify artworks from prehistory through the 20th century, formally analyze artworks by placing them in the historical context within which they were created, consider the visual traditions of the cultures that created artworks, and understand interdisciplinary and cultural influences on works of art. In addition to visual analysis, the course considers issues such as patronage, gender, and the functions and effects of artworks. This course uses a textbook. Prior art training is not necessary for enrollment.

### ASTRONOMY

**Grade Level:** 11, 12

**Course No.**

**Length:** Semester

**Credit:** 0.5 Science

**COURSE DESCRIPTION:** Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.

### CHINESE (MANDARIN) 1

**Grade Level:** All

**Length:** Year

**Credit:** 1.0 Elective

**COURSE DESCRIPTION:** Students begin their introduction to Chinese by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course and specific character practices are introduced after the first quarter. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Chinese-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

## COMPASS PREP

Grade Level: 11, 12

Length: Semester

Credit: .5 Elective

**COURSE DESCRIPTION:** This course reviews the concepts and skills essential for college readiness as measured by the COMPASS post-secondary placement exam. In this course, students will complete a diagnostic pre-test that assesses specific areas of strength and weakness. Based on the assessment results the student receives a personalized learning plan, providing the most efficient and effective preparation possible.

## COOPERATIVE CAREER EDUCATION

Grade Level: 11, 12

Course No.

Length: Semester/year

Credit: .5 /1 Practical Arts

Prerequisite: Application required

**COURSE DESCRIPTION:** Students study occupations that relate to technical, child development and care, food production and service management, construction, manufacturing industries, health care, and computer related careers. Areas to be studied include: employer-employee relations, human relations, labor organizations, and career development. This is a **hybrid** course—some coursework will be completed online and some seminar attendance is required. Criteria for internship will be identified through the application process.

## DIGITAL PHOTOGRAPHY

Grade Level: All

Course No.

Length: Semester

Credit: .5 Elective

**COURSE DESCRIPTION:** In this one-semester course, students will learn the basics of photographic composition and lighting, develop an understanding of using a digital camera and the basics of preparing a digital darkroom. Students will also learn basic color theory and the fundamentals of image processing. Software skills are taught through practical, hands-on activities that get students involved in the learning process and help them retain the content. By the conclusion of this course, students are capable of producing their own unique and highly personalized images. This course is designed for the student who has no background in photography.

## EARTH SCIENCE

Grade Level: All

Course No.

Length: Year

Credit: 1.0 Science

**COURSE DESCRIPTION:** In this course, students learn about the history of life on earth and the development of the geologic time scale. The course includes instruction on how to carry out scientific investigations both in the lab and in the field. Students explore the earth's terrestrial, atmospheric, and marine ecosystems and discover how human activities affect them. They analyze maps to describe geologic features and meteorological data. Content covers the properties of rocks and minerals, the theory of plate tectonics, the processes of weathering and erosion, and climate patterns. The course concludes with a unit on the structure and composition of the solar system.

## ECONOMICS

Grade Level: All

Length: Semester

Credit: .5 Social Studies

**COURSE DESCRIPTION:** This one-semester course provides students with an introduction to basic economic principles, such as how governments use limited resources to best satisfy people's wants and needs. Key topics include the law of supply and demand; allocation of goods and services; monetary and fiscal policy, saving, borrowing, and spending; the Federal Reserve System and the money supply; unemployment; and inflation. Students learn about the important roles that competition, scarcity, incentives, profit, interest rates, trade, and government regulation play in an open free market economy, and how fundamental decisions about the four factors of production (land, labor, capital, and entrepreneurship) are made.

## ENVIRONMENTAL SCIENCE

Grade Level: All

Course No.

Length: Year

Credit: 1.0 Science

**COURSE DESCRIPTION:** Environmental Science is a multidisciplinary field that draws from the physical sciences in addition to other fields. This course teaches the connection between all living organisms within an ecosystem. It helps students better understand the impact humans have on the world around them and ways in which individuals can influence the environment through their actions. Environmental Science explains the concept of biome as a region defined by a specific climate, plant life, and animal community. Content highlights the critical value of clean water, the impact of pollution, agricultural and population issues, and various types of existing and future energy resources and technologies.

## ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

**Grade Level:** 11, 12      **Course No.**      **Length:** Year      **Credit:** 1.0 Science

**COURSE DESCRIPTION:** Students examine the natural world's interrelationships in AP Environmental Science. During this two-semester course, they identify and analyze environmental problems and their effects and evaluate the effectiveness of proposed solutions. They learn to think like environmental scientists as they make predictions based on observation, write hypotheses, design and complete field studies and experiments, and reach conclusions based on the analysis of resulting data. Students apply the concepts of environmental science to their everyday experiences, current events, and issues in science, politics, and society. Prerequisites include two years of laboratory science courses such as Physical Science, Chemistry, or Biology.

## FORENSIC SCIENCE

**Grade Level:** 11, 12      **Course No.**      **Length:** Semester      **Credit:** 0.5 Science

**COURSE DESCRIPTION:** This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. Prerequisites for Forensic Science are least two years of high school science including Biology (or equivalent); Chemistry is highly recommended.

## GAME DESIGN

**Grade Level:** all      **Course No.**      **Length:** Semester      **Credit:** 0.5 Elective

**COURSE DESCRIPTION:** Game Design introduces students to the basic skills necessary for game design. Instructional materials highlight the various games in the industry and analyze their approach in terms of design and development. Students explore both the artistic and technical processes of developing game elements such as story, levels, sound, and user interfaces. They merge all these elements into a functional prototype to demonstrate their understanding of the game design process. Unit topics in this one-semester course include history, player elements, genres, elements of game play, setting platform, game generations, and player modes. The following software is required for this course: Blender (freeware), TrackMania Nations (freeware), and Multimedia Fusion Developer (demo).

## GEOGRAPHY

**Grade Level:** All      **Length:** Year      **Credit:** 1.0 Social Studies

**COURSE DESCRIPTION:** This course explores world geography on a region-by-region basis and covers a broad range of geographical perspectives. Each unit covers one continent or other major geographical region of the world. Units include North America, Central America, South America, Western Europe, Eastern Europe and Russia, East Asia, Southeast Asia and the Pacific Cultures, Africa, India, and the Middle East. Students first learn about each region's landforms, climate, and population. They then examine that region's cultural, economic, and political institutions. Each unit is presented in a parallel format to facilitate interregional comparisons and allow students more clearly to see the similarities and differences between the regions.

## GERMAN 1

**Grade Level:** All      **Length:** Year      **Credit:** 1.0 Elective

**COURSE DESCRIPTION:** Students begin their introduction to German by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various German-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).



## LATIN 1

**Grade Level:** All

**Length:** Year

**Credit:** 1.0 Elective

**COURSE DESCRIPTION:** Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

## PERSONAL FINANCE

**Grade Level:** 11, 12

**Course No.** 6107

**Length:** Semester

**Credit:** 0.5 Practical Arts

**Prerequisite:** Successful completion of Algebra 1.

**COURSE DESCRIPTION:** This course is designed to introduce students to personal money management principles. Content areas include budgeting, wise buying strategies, credit, credit cards, banking, checking, taxes, insurance, and investments. Students will participate in discussions, activities, internet research and computer simulations. Juniors and Seniors with a 3.0 cumulative GPA may receive college credit through Missouri State University for an additional fee.

## VETERINARY SCIENCE

**Grade Level:** 11, 12

**Course No.**

**Length:** Semester

**Credit:** 0.5 Science

**COURSE DESCRIPTION:** As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.













































