ST. JOSEPH
SCHOOL DISTRICT



CAREER PLANNING AND EDUCATIONAL GUIDE

2026-2027

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Welcome to High School

The High School Career & Education Planning Guide has been designed to provide students and parents in the St. Joseph School District with essential information about the programs and courses available at our high schools. This guide serves as a valuable resource to help students make informed decisions about their academic journey, combining the insights found here with guidance from teachers, counselors, and administrators. This resource will assist in selecting courses that align with students' career aspirations and post-graduation goals.

As students progress through high school, they will develop an Individual Career and Academic Plan (ICAP)—a personalized roadmap to help navigate the decision-making process. Each year, students will work with school counselors to refine this plan, ensuring it reflects their evolving goals. Thoughtful course selection is essential, as it lays the foundation for future success. If questions arise about course content, graduation requirements, or available programs, students and parents should reach out to school counselors and administrators for guidance.

High school offers a wide range of opportunities to prepare students for their future. Our district provides access to specialized programs, including: Curriculum for Agricultural Science Education (CASE) Program, Northwest Missouri Regional Apprenticeship Program, High School of Business Program, Sports Marketing Program, Project Lead the Way (Biomedical and Engineering Pathways), and Missouri Seal of Biliteracy.

Additionally, students can explore over 20 career and technical education programs at Hillyard Technical Center, where they can earn industry-recognized credentials and gain valuable hands-on experience. All three high schools in the St. Joseph School District are A+ designated schools and offer a variety of Advanced Placement (AP) and Dual Credit courses, providing students with a competitive edge for college and career readiness. Be sure to discuss these opportunities with your counselor.

Every student's pathway is unique, and the St. Joseph School District is committed to helping each student find the best path forward. Use this guide to explore the possibilities available to you and start shaping your future today. We look forward to partnering with you on this exciting journey!

Counseling Departments

Benton High School Counseling Department

(816) 671-4037

Central High School Counseling Department

(816) 671-4080

Hillyard Technical Center Counseling Department

(816) 671-4170

Webster Learning Center Counseling Department

(816) 671-4072

General Information

Graduation Requirements

Curricular Areas	Credits	Required Courses
English Language Arts	4.0	
Social Studies	3.0	World History, American History, American Government, Law and Citizenship
Mathematics	3.0	*College entrance requirements may require more units.
Science	3.0	*College entrance requirements may require more units.
Physical Education	1.0	
Health	0.5	
Fine Arts	1.0	
Practical Arts	1.0	
Personal Finance	0.5	
World Languages	0.0	*College entrance requirements may require more units.
Electives	7.0	
Total Credits	**24**	

1. Complete a total of 24 credits, including credits required by the State Board of Education.
2. Pass proficiency exams concerning American history, American institutions, American civics, and the Missouri and U.S. Constitutions.
3. Successfully complete a course of instruction of at least one semester in length on the institutions, branches and functions of the government of the state of Missouri, including local governments, the U.S. government and the electoral process.
4. Have earned credit in the St. Joseph School District's educational program between the ninth and twelfth grades.
5. Have taken all required end-of-course (EOC) exams.
6. Have received 30 minutes of cardiopulmonary resuscitation (CPR) instruction and training in the proper performance of the Heimlich maneuver or other first aid for choking.
7. Complete ten hours of community service.

Exceptions

1. Graduation requirements for a student with a disability receiving special education services pursuant to the Individuals with Disabilities Act (IDEA) may be determined according to the student's individualized education program (IEP).
2. Students transferring from other Missouri school districts or charter schools, private or parochial schools, home schools, unaccredited schools, and schools in other states or countries will have their credits transferred in accordance with guidance from the Department of Elementary and Secondary Education(see pages 6-9 of the DESE Graduation Handbook).
3. The district will waive the requirement to pass proficiency exams concerning American history, American institutions, American civics, and the Missouri and U.S. Constitutions for students who transfer from another state if they can document the successful completion of a course of instruction in the institutions, branches and functions of state government, including local governments, the U.S. government and the electoral process. Such instruction must have been completed in grades nine through twelve.
4. Graduation requirements for foster care students will be modified or waived in accordance with law and Board policy IGBE.
5. Eligible students who successfully complete the Missouri Option Program will be awarded a High School diploma.

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. All courses that extend for the full term will be considered to be one-unit courses. Courses that extend for one-half the school term will be considered half-unit courses.
2. The St. Joseph School District recognizes units of credit obtained through accredited schools and school districts, including credits earned through correspondence courses or courses delivered primarily through electronic media, such as satellite video, cable video or computer-driven or online courses. For the purposes of this policy, an "accredited school" is the Missouri Course Access Program (MOCAP); a private agency where students with disabilities are placed by a public school; or any school or school district accredited by DESE, AdvancED, the Independent Schools Association of the Central States (ISACS) or the University of Missouri Committee on Accredited Schools (CAS). If a school or school district is located in another state or country, that school or school

district must be accredited by that state's or country's department of education, AdvancED, ISACS or the equivalent agencies.

3. Students may earn advanced-standing credit by successfully completing high-school level courses prior to entering the ninth grade. Advanced-standing credit may be counted toward meeting all graduation requirements, including state minimum requirements.
4. The district may waive one unit of academic credit in English language arts, math, science or social studies, whichever is most appropriate, for students who successfully complete an eligible three-unit career/technical program. Students must request this credit waiver prior to enrolling in the career/technical program for which the waiver is sought. Students must take the end-of-course exam required for any waived course.
5. In addition to the waiver of credit above, a student may fulfill one unit of academic credit with a district-approved agriculture or career and technical education course for any English language arts, mathematics, science or social studies unit required for high school graduation in any combination up to fulfilling one requirement in each of the four subject areas. The substitution may not be made for courses that require an end-of-course statewide assessment. Unless otherwise waived by law, students who substitute certain courses with agricultural or career and technical courses are still required to complete a course of study of at least one semester in length covering the institutions, branches and functions of the government of the state of Missouri, including local governments, and of the government of the United States and the electoral process.
6. Students will have the opportunity to earn ½ credit of embedded math and ½ credit of embedded English for the successful completion of a yearlong, 3 credit-bearing CTE course at Hillyard Technical Center.
7. The superintendent or designee may approve credit earned on a proficiency basis if a student is able to demonstrate mastery of the competencies for a particular course and if state requirements are met for a quality, competency-based credit system.
8. Students may earn credit by other means as approved by the Board and in accordance with law.
9. Credit recovery provides an opportunity for students who would otherwise fail a course to complete the requirements of the class. The content teacher will outline the deficiencies the student must correct in order to receive credit for the class. These courses are transcripted as pass/fail and will not count toward the students GPA.
10. Students can earn high school credit for courses taken during summer school; however, these courses will not count toward your GPA or class rank.

Content Specific Graduation Requirements

English Language Arts

Four units of credit shall include written and oral expression, language structure, and literature. Instruction in basic reading skills may be counted as one-half unit in meeting the English Language Arts requirement.

Social Studies

Three units will be required and shall include one unit covering the history and culture of the other nations of the world, one unit of American History, and one-half unit on the functions and structure of American government. Beginning with the class of 2027, students will be required to earn one credit of World History, one credit of American History, and a half credit of American Government, and a half credit of Law and Citizenship, Black History, or Geography. Due to EOC testing, all government coursework must be provided through SJSD staff.

Mathematics

Three units of credit will be required.

Science

Three units of credit will be required: one unit must be completed in a life science course; one unit in a course addressing the principles of chemistry, and one additional unit of science. The completion of 2 years of agricultural science at Hillyard Technical Center can satisfy the requirement for the third science credit.

Physical Education

One unit is required. JROTC may be counted in lieu of physical education credit.

Health

One-half unit will be required. The health course is required to be taken by the end of junior year. Since health is included in JROTC, JROTC meets the requirements for health credits if repeated a second year.

Fine Arts

One unit of credit will be required. This credit may be obtained by taking a unit course or two one-half unit courses. Music, art, or drama may be counted as fine arts.

Practical Arts

One unit is required. Business education, industrial arts, skilled technical sciences (Hillyard Technical Center), cooperative occupational education, family and consumer sciences, and vocational-technical courses may be used to meet the requirement.

Personal Finance

One-half unit of Personal Finance is required. The personal finance course is required to be taken by the end of junior year.

Grade Scale & Recognition Guidelines (Grades 9-12)

Grade	Percentage	Standard GPA	Honors GPA	AP and DC GPA
A	94-100%	4.00	4.50	5.00
A-	93-90%	3.75	4.25	4.75
B+	87-89%	3.25	3.75	4.25
B	83-86%	3.00	3.50	4.00
B-	80-82%	2.75	3.25	3.75
C+	77-79%	2.25	2.75	3.25
C	73-76%	2.00	2.50	3.00
C-	70-72%	1.75	2.25	2.75
D+	67-69%	1.25	1.25	1.25
D	63-66%	1.00	1.00	1.00
D-	60-62%	0.75	0.75	0.75
F	0-59%	0.00	0.00	0.00

1. All full-credit courses which carry 0.5 unit of credit for one semester will count in the GPA computation.
2. A student's semester GPA will be derived by dividing total points earned in classes by the total number of full-credit courses in which the student was enrolled during the semester.

3. Total points for the semester are obtained by adding the number of base points earned by the student during the semester.
4. The cumulative GPA after any semester will be obtained by adding the total number of points earned in each of the previous semesters, including the semester just completed, and dividing the total number of full credit semester courses through the completion of the most recent semester. The maximum possible unweighted GPA at any time is 4.00.
5. Class rank is based on a student's weighted GPA and assigned ordinarily for example, if two students are tied for the number 1 position; the next highest GPA is given the rank of number 3.
6. Students in grades 9-12 may receive weighted credit in a maximum of 4 classes.
7. Latin Honors, Top Ten Scholars, Valedictorian, and Salutatorian will be recognized in each graduating class. The Latin Honors Recognition qualifications are included on the next page.
8. To be recognized as the Valedictorian, Salutatorian, or Top Ten Scholars, a student must have attended the school the last four semesters. This student must have completed the maximum number of credits offered by their school each semester. Class rank and GPA are based on a weighted scale. In case of a tie for valedictorian, the school will not name a salutatorian. Please note, Top Ten Scholar recognition will use the valedictorian and salutatorian selection criteria.

Latin Honors Recognition (Grades 9-12)

The honors system below will be implemented in addition to practices of designating a valedictorian, salutatorian, and recognition of the top ten grade point averages.

Summa Cum Laude	Magna Cum Laude	Cum Laude
4.2 or higher GPA	4.0 – 4.19 GPA	3.7 – 3.99 GPA
ACT of 28 or higher or AFQT of 93 or higher or Platinum WorkKeys certificate	ACT between 26-27 or AFQT between 80-92 or Gold WorkKeys certificate	ACT between 22-25 or AFQT between 70-79 or Silver WorkKeys certificate
4 AP/DC credits or Missouri CTE certificate	3 AP/DC credits or Missouri CTE certificate	2 AP/DC credits or Missouri CTE certificate

Participating in Sports & Extra-Curricular Activities

In order to be eligible to participate in high school sports, students must meet the requirements set forth by the Missouri State High School Athletic Association (MSHSAA) as well as the SJSD policy.

Citizenship: Students whose conduct, both in school and out of school, will not reflect discredit upon themselves or their school.

Academics: Students must pass 6 of 7 classes each semester.

Transferring Students: If you transfer schools and your parents do not move into the district of your new school, you will be ineligible for 365 days.

Entering School: Students must enter school within the first 11 days of the semester to be eligible.

Additional Requirements: There are additional rules regarding participation limits, age limits, playing under a false name, graduated students, non-school competition, etc. For more information contact the Activities Director at each high school.

Career Planning

Career paths are clusters of occupations and careers that are grouped based on individuals' interests, talents, and skills. All career paths encompass a variety of occupations that require different levels of education and training. When students select a career path, it allows them to explore various occupations within that field. Although choosing a career path is not a lifelong commitment, it serves as a starting point for exploration and discovery.

By selecting a career path, students can better prepare themselves to choose appropriate school courses, participate in job shadowing experiences, and take advantage of career exploration opportunities. With an appropriately identified career path, school counselors will hold annual meetings to discuss each student's Individual Career and Academic Plan (ICAP). These plans serve as a guide to navigate course selection each year. High school courses should be chosen purposefully, with a focus on future goals and opportunities to help students achieve their career aspirations.

Post-Secondary Planning

This section of the Career Planning and Education Guide shares important information about college admissions testing, the Missouri A+ Scholarship program, NCAA eligibility for student athletes, Missouri economic research and employment projections, and the available career pathways in the St. Joseph School District. Please review the resources in this section carefully as you complete your personal education plan (PEP).

High School Testing

ACT & SAT

Almost every technical school, community college, college and university requires students to have one of these test scores. There are only a few schools nationwide that do not accept the ACT. Informational fliers about registration are available in the Counseling Center or students can register online at http://actstudent.org/

Compare the SAT to the ACT

Learn about the differences between these two college entrance exams at the links below:

ACT vs SAT

ACT Fee Waiver

If a student cannot afford the registration fee for the ACT, he/she may be eligible for an ACT Fee Waiver. Please visit the link below to learn more about ACT Fee Waiver Eligibility Requirements:
ACT FEE WAIVER

Preparation

Preparation for the ACT is very important. There are also a variety of workshops and weekend courses offered in the area. Students will be asked to include their high school code while registering. Check with the counseling center website for this code and further information.

PSAT

The PSAT may be taken by juniors and advanced sophomores. The PSAT provides placement information and is the qualifier for the National Merit Scholarship Program.

ASVAB

The ASVAB is a timed multi-aptitude test, which is given at over 14,000 schools and Military Entrance Processing Stations (MEPS) nationwide and is developed and maintained by the

Department of Defense. Each high school schedules administration of the ASVAB. Check with your counselor for details about ASVAB testing.

ACT WorkKeys

The ACT WorkKeys is a job skills assessment system measuring "real world" skills that employers believe are critical to job success. These skills are valuable for any occupation—skilled or professional—and at any level of education. Students can earn the National Career Readiness Certificate by successfully completing Applied Math, Graphic Literacy, and Workplace Documents assessments through the ACT WorkKeys system.

A+ Scholarship Program

The A+ Scholarship Program provides scholarship funds to eligible graduates of A+ designated high schools who attend a participating public community college or vocational/technical school, or certain private two-year vocational/technical schools.

Eligibility Criteria for High School Students

- Be a U.S. citizen or permanent resident.
- Enter into a written agreement with your high school prior to graduation.
- Attend a designated A+ high school for 3 years prior to graduation.
- Graduate from an A+ designated high school with an overall grade point average of 2.5 or higher on a 4.0 scale.
- Have at least a 95% attendance record overall for grades 9-12.
- Perform at least 50 hours of unpaid tutoring or mentoring, of which up to 25% may include job shadowing prior to graduation.
- Maintain a record of good citizenship while in grades 9-12. Good citizenship guidelines have been adopted and are included on each high school's web page along with the approved appeal process.
- Have achieved a score of proficient or advanced on the Algebra I end of course exam or a higher level DESE approved end-of-course exam in the field of mathematics.

Student Benefits

The scholarship will reimburse, within the limits described in the following paragraph, the unpaid balance of your tuition and general fees after all available, non-loan federal financial assistance, such as the federal Pell grant, has been applied to your account. This may result in a zero award if your Pell grant is sufficient to cover all tuition and general fee charges. General fees are fees that are charged to all students and do not include fees specific to an individual program or group of students.

The tuition amount eligible for reimbursement is capped at the published standard per credit hour tuition rate charged by State Technical College of Missouri. The reimbursement cap is subject to change annually as tuition rates change. The maximum reimbursement rate is announced in late spring or early summer each year.

Learn More about the A+ Program

Adding and Dropping Courses

Students are encouraged to carefully consider their course selections for the upcoming school year. Course requests are used to develop the master schedule and determine staffing assignments. Once the master schedule is finalized, maintaining balanced class sizes and avoiding class overloads are critical priorities. As a result, schedule changes will be kept to an absolute minimum and must fall in the lower categories to request a change.

The schedule change policy outlined below will be strictly enforced once a student's schedule has been finalized. Requests for course changes will be considered only for the following reasons:

- **Computer Error:** If the course number has been incorrectly placed in the computer, the enrollment worksheet will serve as a reference for substituting the correct course.
- **Prerequisite Not Met:** The student has not met the required prerequisite for a course and must be placed in an appropriate alternative.
- **Duplicate Credit:** A student may not earn credit for the same course more than once. Schedule adjustments will be made if a student is enrolled in a course for which credit has already been earned.
- **Graduation Requirement:** A required course for graduation is missing from the student's schedule.
- **Failed Course:** The student previously failed a semester or year-long course and must be rescheduled accordingly.
- **More Challenging Course:** A request to move into a more rigorous or challenging course.

Once the term begins, additional steps are required before a schedule change will be considered. At a minimum, the student must first meet with the classroom teacher to discuss concerns. If a change is still warranted, the student may then meet with a counselor for further consideration.

For additional information, students should contact their school counselor.

Advanced Placement and Dual Credit

Each high school in the St. Joseph School District offers a variety of Advanced Placement (AP©) courses, providing students with a rigorous, college-level curriculum as defined by the College Board. By earning a qualifying score on an AP© exam in May, students may be eligible for advanced placement or college credit at most colleges and universities worldwide.

Additionally, Missouri Senate Bill 718 mandates that all in-state public colleges award credit to students who score a 3 or higher on an AP© exam. The specific amount of credit granted is determined by each individual college or university.

Students enrolled in AP© courses can take the corresponding AP© exam. Those who complete an AP© course will receive a weighted grade. To support exam preparation, AP© teachers offer review sessions before testing.

Students choosing to take an AP© exam should be aware that the College Board charges a testing fee per exam, though fee waivers may be available for eligible students. For details on fee waivers or any other AP© information, students can visit www.collegeboard.com or reach out to their school AP© Coordinator.

AP© is a registered trademark of the College Board and is used with permission.

College courses are offered in partnership with several local institutions, including Missouri Western State University. Students earn both college and high school credits for these courses, and many colleges accept these credits toward their degree programs. However, it's recommended that students verify with the college they plan to attend whether the credits will be accepted. The cost of these courses is typically less than half of the regular tuition rate. Students interested in taking college courses outside of Missouri Western State University should consult with their school counselor. Please note that the "College Studies" placeholder in PowerSchool will only be added to a student's schedule once the ECA agreement is on file with the counselor.

Transferability of Credit

- Colleges and universities may limit the transfer of credit. Publicly funded universities in the state of Missouri are mandated to accept general education courses that fall within the CORE 42 (Missouri Higher Education Core Transfer Curriculum (CORE 42) | dhewd.mo.gov)
- Each individual college and university have a written policy describing limits on dual credit courses.

- Students need to check with the colleges/universities they plan to attend for additional specific information.

Counseling & Career Center

The Counseling Department offers services designed to help all students become competent in the areas set forth by the Missouri Comprehensive Guidance Program. These areas are: (a) Knowledge of self and others, (b) Career planning and exploration, and (c) Educational and vocational development.

Services at Each School Include

- Career Exploration & Planning Resources
- Career Seminars
- College & Scholarship Information
- College Recruiter visits
- Individual & Group Counseling
- Interest/Aptitude Testing
- Test Taking Strategies

Missouri Seal of Biliteracy

The Missouri Seal of Biliteracy promotes active participation in a global society and economy by incentivizing, recognizing and celebrating the acquisition of biliteracy skills and sociocultural awareness. The Missouri Seal of Biliteracy and Distinguished Missouri Seal of Biliteracy is awarded to graduating high school students in districts with a DESE-approved program, who have demonstrated achievement in English, a Language Other Than English (LOTE) and sociocultural competence. Our district is proud to participate in this exciting statewide program. The Missouri Seal of Biliteracy is endorsed by a number of Missouri businesses and institutions of higher education including Evangel University, Missouri State University, Missouri Southern University, Northwest Missouri State University, Truman State University, University of Central Missouri, and William Woods University. Visit with your high school counselor to learn more about this program.

NCAA Guide for the College-Bound Athlete

Any student planning to play sports at a Division I or II college or university* must meet the requirements set forth by the NCAA. These requirements may include specific standards being met by students on their ACT or SAT score and their GPA in core subject courses. College bound athletes need to be registered with NCAA Clearinghouse** and need to apply and/or verify

eligibility on-line at www.ncaa.org. Students will need to verify a successful completion of 16 CORE courses in the following breakdown:

- 4 years of English Language Arts
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (one must be a lab science)
- 1 year of additional English Language Arts, math or science
- 2 years of social studies
- 4 years of additional CORE courses (from any area listed above, or from world languages)

*See Athletic Director if playing at a different level.

**A fee Waiver may be available. See counselor.

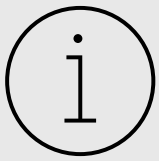
Summer School: To enable students to maintain the proper course sequence, students can earn high school credit for courses taken during summer school; however, these courses will not count toward your GPA or class rank. Ineligible athletes can regain eligibility by taking and passing summer school classes if taken in accordance with the MSHSAA Guidelines and the SJSD Board of Education policy regarding Athletic Eligibility.

Course Descriptions

Virtual Learning

In accordance with state law students have the option to take online coursework through the Missouri Online Course Access Program (MOCAP.) Additional information can be found on the state's website: https://mocap.mo.gov/

English Language Arts



Look for these symbols before the Name of the Course

***** indicates that it is an Honors course
AP indicates that it is an Advanced Placement course
DC indicates that it is a Dual Credit course

English Language Arts 9
Course ID: 1055 **Credit:** 1 **Grade Level:** 9
Description: This course focuses on the writing process with emphasis on the basic components of paragraphing. The use of technology including media center resources and word processing will be included. A variety of literature will be explored, highlighting the elements of the short story and novel. This course, or its honors equivalent, is required for graduation.

***English Language Arts 9**
Course ID: 1065 **Credit:** 1 **Grade Level:** 9
Description: This course prepares college-bound students for challenging careers. The genre-based course promotes analytical reading, critical thinking, and discussion about classical literature. The course promotes an advanced study of the short story and novel. An emphasis will be placed on the use of technology including media center resources and word processing.

English Language Arts 10
Course ID: 1105 **Credit:** 1 **Grade Level:** 10
Prerequisite: ELA 9
Description: This course focuses on the components of the essay and extends the practice of English Language Arts skills. This course, or its honors equivalent, is required for graduation. An emphasis will be placed on the use of technology including media center resources and word processing.

***English Language Arts 10**

Course ID: 1115 **Credit:** 1 **Grade Level:** 10

Prerequisite: ELA 9

Description: This course provides college-bound students with intensive practice to improve writing and reading skills, in order that they may become confident and responsible communicators. To improve these skills, the course will emphasize works by professional writers as models for developing personal writing strengths. An emphasis will be placed on the use of technology including media center resources and word processing.

English Language Arts 11

Course ID: 1145 **Credit:** 1 **Grade Level:** 11

Prerequisite: ELA 10

Description: This course explores American Literature. The writing focus includes the mastery of the persuasive essay with the literature concentration on drama. This course, or its honors equivalent, is required for graduation. An emphasis will be placed on the use of technology including media center resources and word processing.

***English Language Arts 11**

Course ID: 1151 **Credit:** 1 **Grade Level:** 11

Prerequisite: ELA 10

Description: This course explores American Literature. The writing focus includes the mastery of persuasive and argumentative essays with a literature concentration on drama, fiction, and non-print texts. This course, or its non-honors equivalent, is required for graduation. An emphasis will be placed on the use of technology including word processing, researching digital resources, and the production of media created products. Students are expected to assume considerable responsibility for the reading and writing they do.

***AP English Language Arts 11**

Course ID: 1160 **Credit:** 1 **Grade Level:** 11

Prerequisite: ELA 10

Description: This course is designed to engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. The course focuses on the development of interpretive reading skills, particularly as such skills apply to nonfiction texts, and effective use of rhetorical skills. Students are expected to assume considerable responsibility for the reading and writing they do. An end of year assessment is required. The student may elect to take the AP exam to fulfill this requirement. A fee is required for the AP exam.

English Language Arts 12

Course ID: 1205 **Credit:** 1 **Grade Level:** 12

Prerequisite: ELA 11

Description: This course emphasizes literary analysis with an in-depth study of various types of literature, including the novel, the short story, drama, and poetry. It will focus on advanced composition, particularly the descriptive essay, and the use of technology including media center resources and word processing.

***AP English Language Arts 12**

Course ID: 1215 **Credit:** 1 **Grade Level:** 12

Prerequisite: ELA 11

Description: This course is designed to engage students in careful reading and critical analysis of imaginative literature. The course includes intensive study of various genres and periods, focusing on works of recognized literary merit. Students will advance their abilities to write for a variety of purposes. Students are expected to assume considerable responsibility for the reading and writing they do. The class is founded upon rigorous group and independent activities. An end of year assessment is required. Students may elect to take the AP exam to fulfill this requirement. A fee is required for the AP exam.

***Dual Enrollment (DE) Composition 104/108**

Course ID: 1262 **Credit:** 1 **Grade Level:** 12

Prerequisite: Prerequisite English and Reading ACT subscore of 18 for 1st Semester 104. A 3.0 GPA or higher is required.

Description: Dual Enrollment Composition is an honors course offered through MWSU is a three-hour college course. This course fulfills the first half of the General Studies requirements for English composition at Missouri Western, Students must pass ENG104 with a C or better to be admitted into ENG108, which is the second half of the General Studies requirement. The second semester of this course is a three-hour college course, Dual Enrollment English 108/College Writing and Research. This course will focus on developing and improving the writing skills necessary to succeed in this and other college courses, as well as to participate effectively in the worlds of work and community.

A fee is required for MWSU enrollment each semester.

Creative Writing Poetry

Course ID: 1271 **Credit:** 0.5 **Grade Level:** 10-12

Description: This is an elective course for those students who wish to explore the language of poetry. Students will participate in and create activities to cultivate creative and poetic thought. Students will study and apply the basic writing techniques of poetry, including: figurative language (simile, metaphor, alliteration, onomatopoeia personification, oxymoron, consonance, allusion, etc.) and sensory imagery within structured and free verse. Students will explore a variety of poetic styles, which may include but is not limited to sonnets, haiku, epic, tanka, and free verse. Students will write frequently to create a sense of comfort, respond and revise their writing through peer and teacher conferences, explore personal writing and thought development, keep a personal journal, create a final exhibition of original work, and submit original works for publication at least twice.

Creative Writing Prose

Course ID: 1272 **Credit:** 0.5 **Grade Level:** 10-12

Description: This is an elective course for those students who wish to explore the language of fictional prose. In this course, students will explore elements of fiction such as the short story, fairytale, and novel. In addition to mastering the basic components of these works, students will utilize skills and concepts to construct personally creative pieces, which may include but are not limited to short story, fairytale, an opening chapter to a novel, and other chapter layouts. Students will study and apply basic fiction writing techniques including character analysis, dialogue effectiveness, plot and setting components, and paragraph development. Students will also read and analyze various fictional works to expand their knowledge of literary elements and how to use those elements to create a cohesive fictional piece. Students will write frequently to create a sense of comfort, respond and revise their writing through peer and teacher conferences, explore personal writing and thought development, keep a personal journal, create a final exhibition of original work, and submit original works for publication at least twice.

***TAG Explorations of Literature & Humanities 9, 10, 11, 12**

Course ID: 1129 **Credit:** 1 **Grade Level:** 9
Course ID: 1130 **Credit:** 1 **Grade Level:** 10
Course ID: 1131 **Credit:** 1 **Grade Level:** 11
Course ID: 1132 **Credit:** 1 **Grade Level:** 12

Prerequisite: Qualifying requirements for the Gifted Program

Description: TAG is designed to explore a series of themes through reading, research, discussion, analysis, organization, expression, and writing. Students contemplating careers requiring creativity, knowledge, independent thinking, and creative problem-solving will find this course mentally challenging. This enrichment course counts as an English Language Arts credit only at the 11th & 12th grade levels.

School Publications I

Course ID: 1325 **Credit:** 1 **Grade Level:** 9-12

Description: This course stresses writing skills, interviewing techniques, layout design, and production techniques needed to produce the school's yearbook. The introduction of the student to the principles of writing, design, and ethics offers a student a series of experiences increasingly more complex. While the beginning student will be learning year-book techniques, the more advanced student will be learning peer editing, mentoring, and increasing responsibility for the publication and production of the yearbook. The curriculum provides students with the opportunity to demonstrate their ability to use computers as tools for producing publications. A program of this type also offers darkroom facilities. In addition, students enrolled in this program are encouraged to learn the business management aspects of producing publications. This course counts as a general elective.

***School Publications II**

Course ID: 1335 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: Successful completion of School Publications I

Description: This is a capstone course of a student's scholastic publications career. This course includes the same objectives as the Journalism II curriculum, but calls for a greater degree of mastery of those and places significant leadership responsibility on the experienced students taking it. Students in this course are required to submit multiple samples of their journalistic work to various competitions for critique. This course counts as a general elective.

ELD Foundations of ELA

Course ID: 0764 **Credit:** 1 **Grade Level:** 9-12

Prerequisite:

Description: ELD Foundations is a sheltered, yearlong course for SLIFE ELL high school students that provides the vocabulary and academic support necessary for ELL students' success.This course is designed to prepare students for ELD ELA Courses. Students enrolled in this will be supported at the highest level in developing their reading and writing in their first language and need support in phonics, sight words, basic sentence writing and ALL English vocabulary.

ELD ELA Level 1

Course ID: 0765 **Credit:** 1 **Grade Level:** 9-12

Prerequisite:

Description: ELD ELA Level 1 is a sheltered, yearlong course for ELL high school students that provides the vocabulary and academic support necessary for ELL students' success. Students in this course are proficient readers in the first language, but are beginning learners of English. They will be instructed in all the necessary elements of English to develop beginning reading and writing skills; these include phonics, sight words, grammar, and vocabulary. This work will be connected to grade level expectations for the grade of the student.

ELD ELA Level 2

Course ID: 0766 **Credit:** 1 **Grade Level:** 9-12

Prerequisite:

Description: ELA ELD Level 2 is a sheltered, yearlong course for ELL high school students that provides the vocabulary and academic support necessary for ELL students' success. Students in this course are developing readers and writers in English, but are speaking more socially. They will be instructed in all the necessary elements of English to continue their development of reading and writing; these include phonics, sight words, grammar, and vocabulary. This work will be connected to grade level expectations for the grade of the student.

ELD ELA Level 3

Course ID: 0767 **Credit:** 1 **Grade Level:** 9-12

Prerequisite:

Description: ELD ELA Level 3 is for students who are understanding nearly all conversations and lessons with minimal support. They read below grade level, but demonstrate the ability to comprehend at a higher level when supported in reading. These students can express ideas and thoughts into multiple paragraph essays, but vocabulary may still be limited. They still make occasional mistakes with word order, and may need to rephrase an idea to get their correct thought across. These students typically fall between an overall score of 3.0 to 3.9 on the WIDA Screener or ACCESS test. In addition to test scores and observations, criteria for placing students into the level 3 ESOL sheltered class will include time that the student has been in the United States, mainstream classroom abilities, and motivation of the student.

Social Studies



Look for these symbols before the Name of the Course

***** indicates that it is an Honors course
AP indicates that it is an Advanced Placement course
DC indicates that it is a Dual Credit course

World History
Course ID: 2050 **Credit:** 1 **Grade:** 9
Description: World History is a required yearlong course for high school students. This course will specifically focus on the development of the modern world by examining the late medieval period through present times. World History students will develop knowledge of cultural and technological changes, political and social revolutions, and the positive and negative impacts due to the interactions between various groups of peoples and nations. In order to investigate and draw conclusions about world history, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

***World History**
Course ID: 2085 **Credit:** 1 **Grade:** 9
Description: World History is a required yearlong course for high school students. This course will specifically focus on the development of the modern world by examining the late medieval period through present times. World History students will develop knowledge of cultural and technological changes, political and social revolutions, and the positive and negative impacts due to the interactions between various groups of peoples and nations. In order to investigate and draw conclusions about world history, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.
Honors: Students enrolled in the honors sections will delve deeper into the topics addressed above. Honors students may also be required to do further research and/or investigation both in class as well as outside of the classroom setting.

***AP European History**

Course ID: 2220 **Credit:** 1 **Grade:** 9-12
Description: The fundamental purpose of this course, which is divided into periods of time that emphasizes themes throughout European history, is to examine the evolution of Europe in relation to its identity, economic evolution, and foreign policy from European exploration to the present day. The philosophy of this course rests on the belief that the changes that have occurred, as a result of events in the past, either construct or destroy society in the future. Students may choose to take the Advanced Placement exam for an additional fee to receive college credit. This course may be used in place of the World History credit. Students may elect to take this course as an elective if the World History credit is fulfilled.

Honors: Students enrolled in the Advanced Placement sections will delve deeper into the topics addressed above. Advanced Placement students may also be required to do further research and/or investigation both in class as well as outside of the classroom setting.
Due to the rigor of the course, social studies staff recommends students be in grades 10-12.

Modern American History
Course ID: 2101 **Credit:** 1 **Grade:** 10
Description: Modern United States History is a required yearlong course for high school students. The fundamental purpose of modern United States history is to examine the evolution of the United States in relation to its social, economic, and political institutions, and the causes and effects of events that contribute to the history of our nation. This course will analyze how the United States emerged as a global power and how our nation continues to interact with other nations throughout the modern world. In order to investigate and draw conclusions about modern United States history, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

***Modern American History**
Course ID: 2121 **Credit:** 1 **Grade:** 10
Description: Modern United States History is a required yearlong course for high school students. The fundamental purpose of modern United States history is to examine the evolution of the United States in relation to its social, economic, and political institutions, and the causes and effects of events that contribute to the history of our nation. This course will analyze how the United States emerged as a global power and how our nation continues to interact with other nations throughout the modern world. In order to investigate and draw conclusions about modern United States history, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students

will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

Honors: Students enrolled in the honors sections will delve deeper into the topics addressed above. Honors students may also be required to do further research and/or investigation both in class as well as outside of the classroom setting.

***DC American History**

Course ID: 2127 **Credit:** 1 **Grade:** 10-11

Description: This is a challenging course taught at a college level (History 140 & History 150), allowing students the opportunity to earn college credit through Missouri Western State University. The fundamental purpose of this two-semester course is to examine the evolution of the United States in relation to social, economic, and political institutions, and the causes and effects of events that contribute to its development from European exploration to present day. The philosophy of this course rests on the belief that the changes that have occurred, as result of events in the past, either construct or destroy society in the future.
3.0 GPA required. There is a fee required for this dual credit course. Due to state instructor requirements, the course may be conducted online. Please ask your counselor whether this is a seated course or an online course. This course may be used in place of the American History credit. Students may elect to take this course as an elective if the Modern American History credit is fulfilled.

Honors: Students enrolled in Dual Credit sections will delve deeper into the topics addressed above. Dual Credit students may also be required to do further research and/or investigation both in class as well as outside of the classroom setting.

***AP American History**

Course ID: 2128 **Credit:** 1 **Grade:** 10-11

Description: The purpose of this course is to develop an understanding of major themes in U.S. history, including American identity, economic and social life, political change and continuity, and the U.S. role in the world. Students will explore events of U.S. History from European exploration to the modern day through the use and analysis of documents, images, cartoons, quantitative data, and other primary sources.
Students may choose to take the Advanced Placement exam for an additional fee to receive college credit. This course may be used in place of the American History credit. Students may elect to take this course as an elective if the Modern American History credit is fulfilled.

Honors: Students enrolled in the Advanced Placement sections will delve deeper into the topics addressed above. Advanced Placement students may also be required to do further research and/or investigation both in class as well as outside of the classroom setting.

American Government

Course ID: 2137 **Credit:** 1/2 **Grade:** 11

Description: American Government is the study of the American political system and its fundamental principles. Students study the historical significance and provisions: of the Constitution, the Bill of Rights, Congress, the Presidency, the Supreme Court, state and local governments, the American electoral process, and opportunities that citizens are provided within our political system. An objective of this course is to lay the proper foundation for being an informed citizen. In order to investigate and draw conclusions about the American government system, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

To meet the requirements for this course, students must: pass the course, pass the SJSD United States Federal Constitution and Missouri Constitution tests, and take the state of Missouri End of Course Exam.

***American Government**

Course ID: 2139 **Credit:** 1/2 **Grade:** 11

Description: American Government is the study of the American political system and its fundamental principles. Students study the historical significance and provisions: of the Constitution, the Bill of Rights, Congress, the Presidency, the Supreme Court, state and local governments, the American electoral process, and opportunities that citizens are provided within our political system. An objective of this course is to lay the proper foundation for being an informed citizen. In order to investigate and draw conclusions about the American government system, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

To meet the requirements for this course, students must: pass the course, pass the SJSD United States Federal Constitution and Missouri Constitution tests, and take the state of Missouri End of Course Exam.

Honors: Students enrolled in the honors sections will delve deeper into the topics addressed above. Honors students may also be required to do further research and/or investigation both in class as well as outside of the classroom setting.

***AP American Government**

Course ID: 2145 **Credit:** 1 **Grade:** 12

Description: AP United States Government and Politics is a college-level introduction to key political concepts, ideas, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will read and analyze U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments, and engage in an applied civics or politics research-based project.

Students may choose to take the Advanced Placement exam for an additional fee to receive college credit. To meet the requirements for graduation, students must: pass the course, pass the SJSD United States Federal Constitution and Missouri Constitution tests, and take the state of Missouri End of Course Exam.

Honors: Students enrolled in the Advanced Placement sections will delve deeper into the topics addressed above. Advanced Placement students may also be required to do further research and/or investigation both in class as well as outside of the classroom setting. **This is a general elective and does not meet the graduation requirement for American Government.**

***DC American Government**

Course ID: **Credit:** .5 **Grade:** 11

Description: American Government is the study of the American political system and its fundamental principles. Students study the historical significance and provisions: of the Constitution, the Bill of Rights, Congress, the Presidency, the Supreme Court, state and local governments, the American electoral process, and opportunities that citizens are provided within our political system. An objective of this course is to lay the proper foundation for being an informed citizen. In order to investigate and draw conclusions about the American government system, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems. Students can earn dual credit through this course.

Black History

Course ID: 2090 **Credit:** 0.5 **Grade Level:** 10-12

Description: The purpose of this course is twofold. First it is to introduce students to critical epochs of the Black historical experience and second, it is to introduce a variety of classic texts, writers, and themes that have fundamentally shaped what might be called the Black tradition. The course is designed to introduce students to key issues, themes, and methods in Black studies to pique interest for further study. The goal of Black History is to create an informed perspective on the relationship between America and its Black citizenry. In order to investigate and draw conclusions about Black history, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.This class is credited as an elective.

*Throughout this class, the terms Black and African American will be used interchangeably to refer to the people and their descendants who came to America from Africa beginning in 1619 to the present.

Classical and Medieval History

Course ID: 2010 **Credit:** 0.5 **Grade Level:** 10-12

Description: Classical and Medieval History is a course that covers the economic, political, and social formation of human history from the European classical and medieval ages. Students will specifically focus on the evolution and achievements of major civilizations that formed in Africa, Asia, Europe and the Americas during these times periods. In order to investigate and draw conclusions about classical and medieval history, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems. This class is credited as an elective.

Contemporary Issues

Course ID: 2020 **Credit:** 0.5 **Grade Level:** 10-12

Description: Contemporary Issues is an elective course, which studies the interconnectedness of citizenship, culture and the global community. Throughout the course of the semester, students will analyze and evaluate ways to be better citizens, understand cultural diversity, and interact with the local, national and global issues. In order to investigate and draw conclusions about contemporary issues, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems. This class is credited as an elective.

Geography

Course ID: 2205G **Credit:** 0.5 **Grade Level:** 10-12

Description: Geography is an elective course for high school students. Geography will focus specifically on human interaction with the environment through the lens of six themes: population and migration, culture, political organization, agriculture, industrialization, and finally urban development. In order to investigate and draw conclusions about geography, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems. This class is credited as an elective.

Law & Citizenship

Course ID: 2170 **Credit:** 0.5 **Grade:** 11

Description: This is an elective course that introduces the American legal system and its effect on everyday life. Federal laws of our society and the procedures followed in the criminal and civil justice systems including marriage, family, divorce, criminal justice, consumer law and constitutional law are studied.

In order to investigate and draw conclusions about issues surrounding law and citizenship, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems. This class counts toward the social studies requirement for graduation.

Psychology

Course ID: 2190 **Credit:** 0.5 **Grade:** 10-12

Description: Based on recommendations from the American Psychological Association. Psychology is defined as the scientific study of the mind and behavior. Students are introduced to the scientific method and the core ideas and theories of psychology. As a result, students gain an understanding of the complexities and diversity of human thought and behavior. In order to investigate and draw conclusions about psychology, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems. This class is credited as an elective.

*Due to the rigor of the course, social studies staff recommend students be in grades 11-12.

Sociology

Course ID: 2185 **Credit:** 0.5 **Grade Level:** 10-12

Description: Based on recommendations from the American Sociological Association, Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Life is social whenever we interact with others. Over time, patterns of interaction become embedded in the structure of society. Sociologists investigate and seek to understand the structure of groups, organizations, and societies and how people interact within these contexts. Since most human behavior is social, the subject matter of sociology ranges from the intimate family to the internet; from organized crime to religious traditions; and from the divisions of race, gender and social class to the shared beliefs of a common culture. This class is credited as an elective.

In order to investigate and draw conclusions about sociology, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

*Due to the rigor of the course, social studies staff recommends students be in grades 11-12.

ELD Foundations of Social Studies

Course ID: 0775 **Credit:** 1.0 **Grade Level:** 9-12

Description: ELD Foundations of Social Studies is a yearlong course for SLIFE students that are English beginners and English Learners who are deficient in their social studies abilities due to lacking time in education. Students will learn the basics of social studies tools and inquiry, Modern American History, World History, and American Government in conjunction with social studies vocabulary and literacy components.

ELD World History

Course ID: 0776 **Credit:** 1.0 **Grade Level:** 9-12

Description: ELD World History is a sheltered, required yearlong course for ELL high school students that provides the vocabulary and academic support necessary for ELL students' success.This course will specifically focus on the development of the modern world by examining the late medieval period through present times. World History students will develop knowledge of cultural and technological changes, political and social revolutions, and the positive and negative impacts due to the interactions between various groups of peoples and nations. In order to investigate and draw conclusions about world history, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of

evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

ELD Modern American History

Course ID: 2092 **Credit:** 1.0 **Grade Level:** 9-12

Description: ELD Modern American History is a sheltered, required yearlong course for ELL high school students that provides the vocabulary and academic support necessary for ELL students' success. The fundamental purpose of Modern American History is to examine the evolution of the United States in relation to its social, economic, and political institutions, and the causes and effects of events that contribute to the history of our nation. This course will analyze how the United States emerged as a global power and how our nation continues to interact with other nations throughout the modern world. In order to investigate and draw conclusions about Modern American History, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

ELD American Government

Course ID: 0778 **Credit:** 1.0 **Grade Level:** 9-12

Description: ELD American Government is a sheltered, required yearlong course for ELL high school students that provides the vocabulary and academic support necessary for ELL students' success. American Government is the study of the American political system and its fundamental principles. Students study the historical significance and provisions: of the Constitution, the Bill of Rights, Congress, the Presidency, the Supreme Court, state and local governments, the American electoral process, and opportunities that citizens are provided within our political system. An objective of this course is to lay the proper foundation for being an informed citizen. In order to investigate and draw conclusions about the American government system, students will think critically and creatively, collaborate, and communicate while evaluating multiple sources of evidence. As part of this process, students will apply disciplinary and technological tools to answer questions, create and defend arguments, and solve problems.

Mathematics



Look for these symbols before the Name of the Course

***** indicates that it is an Honors course
AP indicates that it is an Advanced Placement course
DC indicates that it is a Dual Credit course

Algebra I
Course ID: 3065 **Credit:** 1 **Grade Level:** 9
Prerequisite: Successful completion of 8th grade math
Description: In alignment with the Missouri Learning Standards, the Saint Joseph's School District Algebra I course will provide students with a solid foundation in algebraic thinking while providing students the skills to accurately explain and justify mathematical processes and conclusions. The course will focus on procedures, conceptual understanding, and application to real world situations.

This is a full-year course which provides a formal development of the algebraic skills and concepts necessary for students to succeed in subsequent math courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of real world problem-solving situations. The concept of function is emphasized throughout the course. Units include, Linear Equations and Functions, Inequalities and Systems of Equations, Exponentials, Polynomials, Data/Formulas/Patterns and Radicals.

Geometry
Course ID: 3090 **Credit:** 1 **Grade Level:** 9-11
Prerequisite: Successful completion of Algebra I or Algebra IB
Description: In alignment with the Missouri Learning Standards, the Saint Joseph's School District Geometry course will provide students with a solid foundation in geometric reasoning while providing students the skills to accurately explain and justify mathematical processes and conclusions. The course will focus on procedures, conceptual understanding, and application to real world situations.

This full-year course involves the integration of logical reasoning and spatial visualization skills. It includes a study of deductive proofs and applications from Algebra, an intense study of polygons, and an introduction to Trigonometry. Students will be required to "think visually" while transferring information to real life problems.

***Geometry**

Course ID: 3100 **Credit:** 1 **Grade Level:** 9-10

Prerequisite: Successful completion of Algebra I and teacher recommendation.

Description: In alignment with the Missouri Learning Standards, the Saint Joseph's School District Geometry course will provide students with a solid foundation in geometric reasoning while providing students the skills to accurately explain and justify mathematical processes and conclusions. The course will focus on procedures, conceptual understanding, and application to real world situations.

This full-year honors course involves the integration of logical reasoning and spatial visualization skills. It includes a study of deductive proofs and applications from Algebra, an intense study of polygons, and an introduction to Trigonometry. Students will be required to "think visually" while transferring information to real life problems. Students enrolled in honors courses will be expected to study each topic in broader depth and approach an understanding of algebra from an abstract viewpoint.

Algebra II

Course ID: 3110 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Successful completion of Algebra I and Geometry.

Description: In alignment with the Missouri Learning Standards, the Saint Joseph's School District Algebra II course will provide students with a solid foundation in algebraic thinking while providing students the skills to accurately explain and justify mathematical processes and conclusions. The course will focus on procedures, conceptual understanding, and application to real world situations.

This is a full-year course which includes the study of a variety of functions (linear, quadratic higher order polynomials, exponential, absolute value, logarithmic and rational) learning to graph, compare, perform operations and manipulate them in order to solve, analyze and apply to problems. Students will use probability and statistics to evaluate outcomes of decisions. Students develop skills required for success in higher math courses and real life experiences.

***Algebra II**

Course ID: 3120 **Credit:** 1 **Grade Level:** 10-11

Prerequisite: Successful completion of Algebra I and Geometry and teacher recommendation.

Description: In alignment with the Missouri Learning Standards, the Saint Joseph's School District Algebra II course will provide students with a solid foundation in algebraic thinking while providing students the skills to accurately explain and justify mathematical processes and

conclusions. The course will focus on procedures, conceptual understanding, and application to real world situations.
This is a full-year honors course which includes the study of a variety of functions (linear, quadratic higher order polynomials, exponential, absolute value, logarithmic and rational) learning to graph, compare, perform operations and manipulate them in order to solve, analyze and apply to problems. Students will use probability and statistics to evaluate outcomes of decisions. Students develop skills required for success in higher math courses and real life experiences. Students enrolled in honors courses will be expected to study each topic in broader depth and approach an understanding of algebra from an abstract viewpoint.

Applications of Mathematics I
Course ID: 3182 **Credit:** 0.5 **Grade Level:** 11-12
Prerequisite: Successful completion of Geometry and Algebra 1
Description: This semester, project-based course focusing on the refinement and application of math skills through four main projects. Students will experience the following: a budget project including the mathematics of finance, design a tiny house project using concepts of geometry, create a program using coding techniques, and design a game considering probability and statistical concepts.

Applications of Mathematics II
Course ID: 3183 **Credit:** 0.5 **Grade Level:** 11-12
Prerequisite: Successful completion of Algebra 1 and Geometry
Description: This semester, project-based course focusing on the refinement and application of math skills through four main projects. Students will experience the following: a budget project including the mathematics of finance, design a tiny house project using concepts of geometry, create a program using coding techniques, and design a game considering probability and statistical concepts.

***Math Reasoning and Modeling**
Course ID: 3187 **Credit:** 0.5 **Grade Level:** 11-12
Prerequisite: Successful completion of Geometry or Algebra II
Description: This semester course is designed to help students apply functions to model practical situations. Students will apply concepts of algebra to problem solving while relying more heavily on technology when using nonlinear situations. This course will emphasize proportional reasoning, statistical reasoning, and mathematical modeling. This course aligns with the competencies and expectations required in the Missouri Pathways for a Mathematical Reasoning course required for degrees in Fine Arts, Business, Education, Nursing, Recreational and Sports Management.

***DC/DE College Algebra**

Course ID: 3190 **Credit:** 0.5 **Grade Level:** 11-12

Prerequisite: Successful completion of Algebra II

Dual Credit Prerequisites: Students must have a cumulative, non-weighted GPA of 3.0 or higher and have a Math ACT of 22 or above or passing of the college prerequisite test.

Description: This semester course is a dual credit/enrollment class taken in conjunction with Missouri Western State University. Three hours of MAT 116 college credit from MWSU will be awarded upon successful completion of the course. This course considers an in-depth study of the structure of the real number system, computational skills, equation solving, and functional analysis including polynomial, rational, algebraic, exponential, and logarithmic functions. A study of graphing techniques will be enhanced through the use of graphing calculators. This course will conclude with a consideration of systems of equations, and matrices. This course aligns with the competencies and expectations required in the Missouri Pathways for a PreCalculus/Algebra course required for college degrees in Biology, Chemistry, Computer Science, Engineering, Mathematics, Health & Exercise Science.

A fee is required for the dual credit option.

***DC/DE Trigonometry**

Course ID: 3155 **Credit:** 0.5 **Grade Level:** 11-12

Prerequisite: Successful completion of Algebra II

Dual Credit Prerequisites: Students must have a cumulative, non-weighted GPA of 3.0 or higher and have a Math ACT of 22 or above or passing of the college prerequisite test.

Description: This semester course prepares students to solve numerous “real-world” problems, and provides a foundation for the study of calculus. Consideration will be given to triangle measurement, the six trigonometric functions, graphs of trigonometric functions, trigonometric identities, solving conditional trigonometric equations, applications of trigonometry, complex numbers and polar coordinates. This course aligns with the competencies and expectations required in the Missouri Pathways for a PreCalculus/Algebra course required for college degrees in Biology, Chemistry, Computer Science, Engineering, Mathematics, Health & Exercise Science.

A fee is required for the dual credit option.

***Intro to Calculus**

Course ID: 3170 **Credit:** 0.5 **Grade Level:** 11-12

Prerequisite: Successful completion of Algebra II

Description: This semester course is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course will emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Broad concepts and widely applicable methods are emphasized. Students and teachers to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results, use technology regularly. This course will emphasize problem solving, communicating mathematical concepts and applying mathematics in real-world settings.

***AP/DC Calculus**

Course ID: 3175 **Credit:** 1 **Grade Level:** 12

Prerequisite: A grade of C or above in Advanced DC College Algebra and DC Trigonometry.

Dual Credit Prerequisites: Students must have a GPA of 3.0 or higher and have either a Math ACT score of 25 or above or have completed College Algebra and Trigonometry for dual credit.

Description: This year-long course is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course will emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Broad concepts and widely applicable methods are emphasized. Students and teachers to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results, use technology regularly. This course will emphasize problem solving, communicating mathematical concepts and applying mathematics in real-world settings.

This course could be taken for dual credit and/or as preparation for the AP Calculus Exam.

A fee is required for the dual credit course option and the AP exam.

***Statistics**

Course ID: 3160 **Credit:** 0.5 **Grade Level:** 11-12

Prerequisite: Successful completion of Geometry or Algebra II

Description: This semester course will introduce students to data analysis and probability. Students will use their problem-solving skills while becoming familiar with statistical concepts of measures of central tendency and dispersion, hypothesis testing, and regression and correlation. Basic probability concepts will be introduced and used in relation to binomial experiments and normal probability distributions. This course aligns with the competencies and expectations required in the Missouri Pathways for a Statistical Reasoning course required for college degrees in Criminal Justice, Communication, Psychology, Social Work, Personal & Commercial Fitness.

***AP Statistics**

Course ID: 3165 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Successful completion of Algebra II

Description: The purpose of this year-long course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departure from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, and Statistical Inference: Estimating population parameters and testing hypotheses. This course is for students intending to pursue a college degree in business, biology, mathematics, education, computer information, marketing and management, psychology or sociology.

This course is to be taken as preparation for the AP Statistics exam. A fee is required for the AP exam.

ELD Language of Math 1

Course ID: 0771 **Credit:** 1 **Grade Level:** 9-12

Prerequisite:

Description: ELD Language of Math 1 is for SLIFE students that are English beginners and English Language Learners who are deficient in their math abilities due to lacking time in education. These students have been in the U.S. for 3 years or less. These students will have taken a placement test that determines they are performing at a K-5 grade math level.

ELD Foundations of Math 1

Course ID: 0772 **Credit:** 1 **Grade Level:** 9-12

Prerequisite:

Description: ELD Foundations of Math 1 is for SLIFE students that are English beginners and English Learners who are deficient in their math abilities due to lacking time in education. These students have been in the U.S. for 3 years or less. These students will have taken a placement test that determines they are in K-5 grade math level.

ELD Foundations of Math 2

Course ID: 0773 **Credit:** 1 **Grade Level:** 9-12

Prerequisite: Success completion of ELD Foundations of Math 1

Description: ELD Foundations of Math 2 is for SLIFE students that are English beginners and English Learners who are deficient in their math abilities due to lacking time in education. These students have been in the U.S. for 3 years or less. These students will have taken a placement test that determines they are in 5th-7th grade math level or will have successfully completed Foundations of Math 1 and will be unprepared for Algebra 1.

ELD Algebra I

Course ID: 0774 **Credit:** 1 **Grade Level:** 9-12

Prerequisite:

Description: ELD Algebra 1 is for students who have demonstrated the need for English language support in general education course work. These students may be anywhere from 1.0-3.5. If they are new in the country and they have transcript evidence of prerequisites for Algebra or have demonstrated their abilities on the math placement exam, but lack the necessary English skills to complete the work without added support, they may be recommended for this course.

Mathematics Pathways and Course Offerings



Look for these symbols before the Name of the Course

***** indicates that it is an Honors course
AP indicates that it is an Advanced Placement course
DC indicates that it is a Dual Credit course

Note: Students must earn 3 math credits to graduate from high school. Four math credits are recommended for post-secondary education.

GRADE	COURSE OPTIONS FOR PATHWAY 1	COURSE OPTIONS FOR PATHWAY 2
7th Grade	7th Grade Math	Accelerated 7th Grade Math **or** Move to Pathway 1
8th Grade	8th Grade Math	Algebra I (1 credit) **or** Move to Pathway 1
9th Grade	Algebra I (1 credit)	*Geometry (1 credit)
10th Grade	Geometry (1 credit) **or** *Geometry (1 credit) **or** Move to Pathway 2	Algebra II (1 credit) **or** *Algebra II (1 credit)
11th Grade	Math Elective (1 credit)	Math Elective (optional)
12th Grade	Math Elective (optional)	Math Elective (optional)

Semester Elective Options, 0.5 credit

- Math Applications I
- Math Applications II
- *Introduction to Calculus
- *DC Trigonometry
- *DC or DE College Algebra
- *Math Reasoning and Modeling
- *Statistics

Year-Long Elective Options, 1 credit

- *AP or DC Calculus
- *AP Statistics

Science



Look for these symbols before the Name of the Course

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Physical Science
Course ID: 4005 **Credit:** 1 **Grade Level:** 9
Description: This introductory science course is designed to familiarize the student with concepts of matter, forces, and energy in the universe. First-semester concepts include atomic structure, periodic trends, writing and balancing simple equations, and investigating what drives chemical reactions to completion. Second-semester concepts include transfer from potential to kinetic to electrical energy, force and motion, momentum, and waves. Physical Science is the study of matter and energy and includes chemistry and physics. It is a basis for the further study of chemistry and physics. Labs or investigations are used to give students hands-on learning and practical applications.

Biology
Course ID: 4006 **Credit:** 1 **Grade Level:** 10
Description: This course introduces the study of living organisms. It is a prerequisite for all other biology electives and is assessed by the State of Missouri in an End of Course (EOC) assessment. As such, all students must complete coursework in biology within the district. It includes all theories relevant to biology, the basic physical and chemical structure and function of cells, reproduction of cells, and genetics. The course focuses on the unifying themes in biology of structure and function, energy transformation, change over time, and will help to establish a solid foundation in inquiry-based scientific exploration.

ELD Biology
Course ID: 0781 **Credit:** 1 **Grade Level:** 9-12
Description: ELD Biology is a sheltered yearlong course that introduces the study of living organisms with an emphasis on academic vocabulary. It is a prerequisite for all other biology electives and is assessed by the State of Missouri in an End of Course (EOC) assessment. As such, all students must complete coursework in biology. It includes all theories relevant to biology, the basic physical and chemical structure and function of cells, reproduction of cells,

and genetics. The course focuses on the unifying themes in biology of structure and function, energy transformation, change over time, and will help to establish a solid foundation in inquiry-based scientific exploration.

***Biology**

Course ID: 4007 **Credit:** 1 **Grade Level:** 9

Description: This course introduces the study of living organisms. It is a prerequisite for all other biology electives and is assessed by the State of Missouri in an End of Course (EOC) assessment. As such, all students must complete coursework in biology. It includes all theories relevant to biology, the basic physical and chemical structure and function of cells, reproduction of cells, and genetics. The course focuses on the unifying themes in biology of structure and function, energy transformation, change over time, and will help to establish a solid foundation in inquiry-based scientific exploration. This course is designed for students who plan to enter into higher level Biology classes, such as Advanced Placement, International Baccalaureate, and/or Dual Credit. Honors Biology will cover additional content and vocabulary, and therefore moves at a faster pace. Extensive laboratory experiences and projects will be expected in Honors Biology.

ELD Foundations of Science

Course ID: 0779 **Credit:** 1 **Grade Level:** 9-12

Prerequisite: None

Description: ELD Foundations of Science is for SLIFE students that are English beginners and English Language Learners who are deficient in their science abilities due to lacking time in education. These students have been in the U.S. for 3 years or less. Students assigned to this course are typically students with an overall score of 1 to 1.9 on the WIDA Screener or ACCESS test. However, many newcomers will not be required to take the WIDA Screener because of their insufficient English abilities. In this case, they will take the Newcomer Kit and these students will also meet the qualifications for Foundations of ELA. Students in this course will study academic vocabulary within science units to prepare them for ELD Physical Science, Environmental Science, and Biology.

***Microbiology**

Course ID: 4130 **Credit:** 0.5 **Grade Level:** 10-12

Prerequisite: Biology OR Equivalent, and Chemistry (or currently enrolled)

Description: This course is an in-depth study into the world of microbes (viruses, bacteria, fungi, algae and protozoa). Students will carry out a variety of experiments that focus on the diversity and metabolic activity of microbes and prepare reports of these scientific investigations.

***Genetics**

Course ID: 4110 **Credit:** 0.5 **Grade Level:** 10-12
Prerequisite: Biology OR Equivalent, and Chemistry (or currently enrolled)
Description: This course is an in-depth study into modern genetics with an emphasis on molecular genetics. Topics include: Mendel's laws, probability, linkage, and biotechnology. Students will be expected to do genetics experiments with suitable organisms (fruit flies, fast plants, yeast, etc.), analyze data statistically, and prepare reports which will help students to continue to expand scientific exploration.

***Anatomy and Physiology**
Course ID: 4350 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: Biology OR Equivalent, and Chemistry (or currently enrolled)
Description: Anatomy and Physiology focuses on the structure and function of the human body. The course will include the study of human tissues and progress to the study of organ systems with an emphasis on how organ systems function (physiology). Experiences including laboratory experimentation (including dissections), micro and macroscopic observations and analyses.

***AP Biology**
Course ID: 4230 **Credit:** 1 **Grade Level:** 11-12
Prerequisite: Biology and Chemistry (or currently enrolled) are highly recommended
Description: This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. Molecules and cells (25%), heredity and evolution (25%) and organisms and populations (50%) are the three major areas of study woven into four big ideas (Evolution, Energy, Information, and Systems) that interconnect all parts of biology study. It is the goals of this course to a) help students develop a conceptual framework for modern biology and b) to help students gain an appreciation of science as a process. This course will help the students prepare for the AP Exam in Biology given in May. A fee is required for the AP exam.

***DC Biology**
Course ID: 4220 **Credit:** 1 **Grade Level:** 11-12
Prerequisite: GPA of 3.0 or higher is required
Description: This course is the equivalent of introductory college biology course for non-majors at Missouri Western State University (Biology 101). The course is divided into eleven units. The laboratory component of this course constitutes 1/6 of the final grade. Expectations for the students in this class are the same as the course currently being offered at MWSU. At the successful completion of this course and final payment to MWSU, four college credits of Biology (or elective credit, depending on the institution) will be earned. A fee is required for the dual credit course.

Chemistry I

Course ID: 4177 **Credit:** 1 **Grade Level:** 10

Prerequisite: Biology

Description: This course is concerned with the nature of matter at the atomic and molecular level through the study of chemical elements and compounds. Studies include modern atomic theory, relationships within chemical reactions, stoichiometry, and will continue to encourage inquiry-based scientific exploration.

***Chemistry I**

Course ID: 4180 **Credit:** 1 **Grade Level:** 10

Prerequisite: Algebra with a grade B- is highly recommended

Description: This course is concerned with the nature of matter at the atomic and molecular level through the study of chemical elements and compounds. Studies include modern atomic theory, relationships within chemical reactions, stoichiometry, and will continue to encourage inquiry-based scientific exploration. This course is designed for sophomore students who plan to enter into higher level Chemistry classes, such as Chemistry II, Advanced Placement, International Baccalaureate, and/or Dual Credit. Honors Chemistry will cover additional content and vocabulary, integrate mathematical principles, and therefore move at a faster pace. Extensive laboratory experiences and projects will be expected in Honors Chemistry.

***DC Chemistry**

Course ID: 4265 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Chemistry I with a grade C is highly recommended

Description: A college course in chemistry in which the basic concepts of the science are introduced. Topics include atomic theory and periodic system, chemical calculations, chemical reactions, states of matter, theories of chemical bonding, and atomic structure. Students gain an understanding of the underlying physical concepts in chemistry. Students are provided with an opportunity to gain an understanding of physical and natural phenomena as well as an appreciation for the role of science in society. In taking this course students will exercise and enhance their mathematical, reasoning and analytical skills. Students who successfully complete this course will receive 5 credit hours in chemistry (CHE111) through Missouri Western State University. A fee is required for DC credit.

3.0 GPA and 22 on ACT Math.

***AP Chemistry**

Course ID: 4195 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Chemistry I with a grade C is highly recommended

Description: The AP Chemistry course is designed to be the equivalent of the general chemistry course taken during the first year of college. Upon successful completion of the College Board AP Chemistry Exam, a student may earn 3-5 semester hours of college chemistry credit which may enable the student to undertake a 2nd year of work in the college chemistry sequence or register in a course in another field where chemistry is a prerequisite. A fee is required for the AP exam.

Earth and Space Science

Course ID: 4270 **Credit:** 1 **Grade Level:** 11-12

Description: This course investigates processes that operate on Earth, and also address Earth's place in the exosphere (solar system and the galaxy). It involves investigating and explaining phenomena that range in scale from the unimaginably large to the invisibly small. The majority of content in this course is interdisciplinary in nature and falls under the categories of astrophysics, geophysics, geochemistry, and geobiology. This course begins at the largest spatial scales of the universe and moves toward increasingly smaller scales and a more human focus.

***AP Environmental Science**

Course ID: 4270 **Credit:** 1 **Grade Level:** 11-12

Description: This course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. A fee is required for the AP exam.

Physics

Course ID: 4204 **Credit:** 1 **Grade Level:** 11

Description: This course enables the student to discover and apply fundamental principles and laws of the physical world through investigation and problem-solving techniques. The overarching goal for learning in physics, is to help students see that there are mechanisms of cause and effect in all systems and processes that can be understood through a common set of physical principles.

***Physics**

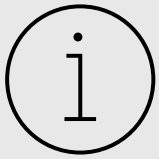
Course ID: 4205 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Algebra II with a grade B- is highly recommended

Description: This course enables the student to discover and apply fundamental principles and laws of the physical world through investigation and problem-solving techniques. The overarching goal for learning in physics, is to help students see that there are mechanisms of cause and effect in all systems and processes that can be understood through a common set of physical principles. This course is designed for students in their junior year who plan to enter into higher level Physics classes, such as Advanced Placement or International Baccalaureate. Honors Physics will cover additional content and vocabulary, integrate mathematical principles, and therefore move at a faster pace. Extensive laboratory experiences and projects will be expected in Honors Physics.

***AP Physics**
Course ID: 4240 **Credit:** 1 **Grade Level:** 11-12
Prerequisite: Physics with a grade B- is highly recommended
Description: This course is designed to prepare students who will take the AP Physics 1 exam in May, and is equivalent to an introductory-level college physics course that provides basic knowledge of the discipline of physics, develops students' abilities to ask physical questions and to obtain solutions using qualitative and quantitative reasoning by experimental investigation, foster an appreciation of the physical world, and understand connections to other disciplines and societal issues. Topics include Mechanics (analyzing motion, forces and energy including Newton's laws, conservation laws and waves) and Electricity (electric forces and fields, current and DC circuits). A fee is required for the AP exam.

PLTW Biomedical Science



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***PLTW I – Principles of Biomedical Science (PBS)**
Course ID: 4280 **Credit:** 1 **Grade Level:** 9-12
Description: In this course, students interested in math, science and the human body will find a great introduction to numerous medical fields. Students explore the concepts of human medicine and are introduced to research processes and bioinformatics through various health conditions including heart disease, diabetes, sickle-cell anemia and hypercholesterolemia. This course uses hands-on, real-world problems to engage and challenge students in the form of

activities, project-based learning and problem-based learning. PBS is the first of four courses offered under the Biomedical Science umbrella, which also includes Human Body Systems, Medical Interventions and Biomedical Science Capstone Course. These courses are meant to augment high school science college preparatory programs to prepare students for rigorous post-secondary education, while also addressing the impending critical shortage of qualified science and health professionals.

This course meets one semester and takes up two class periods, earning 1 credit. This course counts toward the third science elective requirement for graduation.

***PLTW II – Human Body Systems (HBS)**

Course ID: 4290 **Credit:** 1 **Grade Level:** 10-12

Description: Students examine the interactions of body systems as they explore identity, communication, 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 role of biomedical professionals to solve medical mysteries.

This course meets one semester and takes up two class periods, earning 1 credit. This course counts toward the third science elective requirement for graduation.

***PLTW III – Medical Interventions**

Course ID: 4295 **Credit:** 1 **Grade Level:** 11-12

Description: Students investigate a variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. The course is a "how to" manual for maintaining overall healthy and homeostasis in the body as students explore how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. These scenarios expose students to a wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions are showcased across generations of a family and provide a look at the past, present, and future of biomedical sciences. Lifestyle choices and preventative measures are emphasized throughout

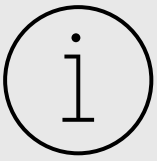
the course as are the important roles scientific thinking and engineering design play in the development of interventions of the future.

This course meets one semester and takes up two class periods, earning 1 credit. This course counts toward the third science elective requirement for graduation.

***PLTW IV – Biomedical Innovation**
Course ID: 4297 **Credit:** 1 **Grade Level:** 12
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.

This course meets one semester and takes up two class periods, earning 1 credit. This course counts toward the third science elective requirement for graduation.

PLTW Biomedical Engineering



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***PLTW – Introduction to Engineering Design (IED)**
Course ID: 5625 **Credit:** 1 **Grade Level:** 9-12
Prerequisite: Students should have a strong math background before taking this course.
Description: A full year course where students will dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. The student will work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. This is the

beginning course for those students wanting to take the Project Lead the Way program for pre-engineering.

This course meets one semester and takes up two class periods, earning 1 credit.

***PLTW – Principles of Engineering (POE)**
Course ID: 5635 **Credit:** 1 **Grade Level:** 9-12
Prerequisite: Introduction of Engineering Design, or instructor approval.
Description: A full year course where students will navigate through problems that will both engage and challenge them. Students will explore a broad range of engineering topics, including mechanisms, the strength of structures and materials and automation. The student will develop skills in problem solving, math, science and technology while learning strategies for design process documentation, collaboration and presentation.

This course meets one semester and takes up two class periods, earning 1 credit.

***PLTW – Computer Integrated Manufacturing (CIM)**
Course ID: 5645 **Credit:** 1 **Grade Level:** 9-12
Prerequisite: Introduction of Engineering Design, or instructor approval.
Description: Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

This course meets one semester and takes up two class periods, earning 1 credit.

***PLTW – Civil Engineering and Architecture (CEA)**
Course ID: 5627 **Credit:** 1 **Grade Level:** 9-12
Prerequisite: Introduction of Engineering Design, or instructor approval.
Description: A full year course in which students learn important aspects of building, site design and development. Students will apply math, science and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

This course meets one semester and takes up two class periods, earning 1 credit.

***PLTW – Computer Science Programming (CSP)**

Course ID: 5628 **Credit:** 1 **Grade Level:** 9-12

Prerequisite: Introduction of Engineering Design, or instructor approval.

Description: This is a full year course using Python® as a primary tool and incorporating multiple platforms and languages for computation. This course aims to develop computational thinking, generate excitement about career paths that utilize computing and introduce professional tools that foster creativity and collaborations. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include App development, visualization of data, cybersecurity and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP).

This course meets one semester and takes up two class periods, earning 1 credit.

***PLTW – Digital Electronics**

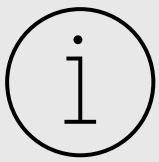
Course ID: 5630 **Credit:** 1 **Grade Level:** 9-12

Prerequisite: Introduction of Engineering Design, or instructor approval.

Description: From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

This course meets one semester and takes up two class periods, earning 1 credit.

Physical Education & Health



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Strength & Conditioning

Course ID: 7040 **Credit:** 0.5 **Grade Level:** 10-12

Description: This course is designed to provide the student with the knowledge, skills and safety practices necessary to successfully begin and maintain a weight-training program. Students will

learn the benefits of a weight training program and will develop a personal fitness plan based on their current fitness assessments and personal goals. This course will involve some strenuous activities. Games and activities designed for body conditioning will be included. This course can be repeated for credit.

Advanced Weight Training & Body Conditioning
Course ID: 7045 **Credit:** 0.5 **Grade Level:** 10-12
Description: This course is designed for the student athlete or anyone interested in a more intense body conditioning and weight training program. Students will apply weight training principles to design personal programs to meet individual goals. Students will learn to train safely and effectively. A physical examination is recommended. Teacher recommendation is required. This course can be repeated for credit.

Aerobics and Dance
Course ID: 7070 **Credit:** 0.5 **Grade Level:** 10-12
Description: This course is designed to provide students with the knowledge and skills necessary to maintain a healthy, active lifestyle now and in the future through participation in a variety of aerobic exercise and dance activities. Students enrolled in this course will participate in the following: step aerobics, floor aerobics, aerobic martial arts, line dance, folk dance, novelty dance, Pilates, yoga and stability ball workouts, and Zumba. This course can be repeated for credit.

Lifetime Fitness
Course ID: 7020 **Credit:** 1.0 **Grade Level:** 9
Description: Students will learn and apply concepts and principles of physical fitness and wellness through participation in a variety of fitness development activities and games. Physical fitness assessment
and the development of the student's personal fitness plan will be required. Technological tools will be used to monitor and track exercise progress. A variety of activities, including cooperative challenges, aerobic activities and sports will be included.

All 9th grade students are required to earn one credit of physical education during 9th grade. This meets the state requirement for physical education.

Health & Family Education

Course ID: 7030 **Credit:** 0.5 **Grade Level:** 11

Description: All High School students are required to enroll in a semester of Health designed to prepare students in meeting state standards in health education and to become health-literate individuals. This is a comprehensive Health Education course which includes: Health and Wellness, Body Systems, First Aid and C.P.R., Diseases and Disorders (HIV, AIDS, and STD's), Alcohol, Tobacco and other Drugs, Nutrition, Life Management Skills, Environmental Health, Physical Activity - FITT Principles, and Consumer Health, Safety, and Careers (media influences). This course will provide students with opportunities to explore concepts in-depth, analyze and solve real-life problems, work cooperatively on tasks that develop and enhance their conceptual understanding, and develop physical and social skills necessary for a healthy, active lifestyle now and in the future.

Individual and Dual Sports

Course ID: 7065 **Credit:** 0.5 **Grade Level:** 10-12

Description: This course provides students with the knowledge and skills necessary to maintain a healthy active lifestyle now and in the future through participation in a variety of lifetime activities. Students will participate in the following: badminton, pickleball, ice skating*, bowling*, walking-hiking activities, beginning golf*. Activities such as tennis, fishing/angling*, snow-skiing*, and wall-ball may also be included. *Classes may meet off-campus and a fee is required. This course can be repeated for credit.

Team Sports

Course ID: 7075 **Credit:** 0.5 **Grade Level:** 10-12

Description: This course is designed for the student who enjoys team sport participation. Students enrolled in this course will participate in the following team sports: basketball, volleyball, team handball, soccer, flag football, softball and hockey. The course will include fitness development activities specific to the sport, tournament play and beginning officiating. This course can be repeated for credit.

JROTC Beginning (Junior Reserve Officer Corps)

Course ID: 7100 **Credit:** 1 **Grade Level:** 9-12

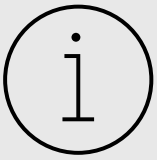
Description: Leadership Education and Training (LET) Level 1: This course is designed to teach high school students the value of leadership, service to the community, wellness, fitness, health, first aid, thinking and reasoning, life skills, personal responsibility and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline. Students also participate in physical exercise, team sports and organizational drill and ceremony. They can earn numerous ribbons, awards, advancement in rank and staff positions. Other activities include voluntary teams which compete at drill meets within the Midwest region. These teams

include Regulation Drill, Color Guard, Exhibition Drill, Raiders (adventure training) and Rifle Team. Students also have the opportunity to attend a free JROTC Leadership Adventure Camp in the summer. JROTC meets the requirements for PE and health credits if repeated a second year.

JROTC Intermediate (Junior Reserve Officer Corps)
Course ID: 7100 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: Successful completion of JROTC Level 1 and approval from the senior army instructor per Cadet Command Regulation 145-2.
Description: Leadership Education and Training (LET) Level 2-3: This course is designed for students/cadets who have completed JROTC LET Level 1. The course provides instruction on intermediate topics of leadership, the military, wellness, health, fitness, citizenship skills, presenting skills, career planning, and American history. Students also participate in physical exercise, team sports and organizational drill and ceremony. Cadets will also be introduced to command and staff positions and roles. JROTC meets the requirements for PE and health credits if repeated a second year.

JROTC Advanced (Junior Reserve Officer Corps)
Course ID: 7100 **Credit:** 1 **Grade Level:** 12
Prerequisite: Successful completion of JROTC Level 2 and 3 and approval from the senior army instructor per Cadet Command Regulation 145-2.
Description: Leadership Education and Training (LET) Level 4: This course is designed for students/cadets who have completed JROTC LET Level 2 and 3. The course provides instruction on advanced topics of leadership, the military, health, fitness, financial planning, teaching skills, and independent studies. Students also participate in physical exercise, team sports and organizational drill and ceremony. Cadets will also be introduced to Command and Staff positions and roles.

Fine Arts – Instrumental Music



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Exploring Music
Course ID: 6505 **Credit:** 1 **Grade Level:** 9-12
Description: This course offers emphasis on learning basic fundamentals of music, the historical progress of music from ancient to modern times, plus the development and refinement of one's values and attitudes toward music listening. Reading and writing skills are required for evaluative learning in the critical analysis of music. The course may not be repeated and satisfies the Fine Arts credit requirement.

High School Band
Course ID: 6400 **Credit:** 1 **Grade Level:** 9-12
Description: This course is a year-long course open to students in all grades with previous band experience in middle school. If necessary, students may need to demonstrate proficiency on their instrument for admission into the course. Students must be MSHSAA-eligible to participate in competitive elements of band. In the fall, this class will perform as the marching band. Students will perform at all varsity home football games and field and parade competitions in the region. Color guard members will enroll as part of this ensemble and be auditioned in the spring. Color guard members are not required to have participated in middle school band. For the remainder of the school year, this course will perform as a concert band (known at Benton and Lafayette as the Concert Band and at Central as the Wind Ensemble and Symphonic Band). The primary focus during concert band season is to build and advance the skills learned in the previous years. This group will study quality music from all style periods available to the modern concert band. When necessary, students will audition for placement in one of two performing groups, Wind Ensemble or Symphonic Band. There will be three concerts during the year along with participation in the Missouri State High School Activities Association State Evaluative Festival with the possibility of other performances in the region. Students must provide accessories, including shoes and gloves. Students using school-owned instruments must pay a $30.00 instrumental maintenance fee and are financially responsible for any needed instrument repairs. May be repeated for credit. This course will satisfy the Fine Arts Credit required for graduation. An activity fee is required.
***High School Band**

Course ID: 6403 **Credit:** 1 **Grade Level:** 9-12

Description: Students may elect to receive honors credit through enrollment in high school band for two semesters. To receive honors credit students must be members in good standing of their high school performing organization for the entire year. In addition to completing the stated objectives for band, students must complete eight (8) of the additional requirements per year– 4 per semester. These requirements focus on the individual growth and development of students in instrumental music. The teacher and student will document and track the successful completion of these requirements throughout the school year. Failure to complete the required number of activities in a semester will result in a withdrawal of Honors Band the following semester. An activity fee is required. An application must be submitted to be considered for honors coursework.

Jazz Band

Course ID: 6410 **Credit:** 1 **Grade Level:** 9-12

Description: This course is open to any high school band student who plays an instrument within jazz ensemble instrumentation and has an interest in developing their skills as a jazz musician. If additional performers are needed, the director may admit students at their discretion, while ensuring the integrity of other instrumental ensembles for foundational learning is maintained. The course covers all styles of jazz performance, including improvisation. Membership is determined through an audition and may be repeated for credit. This course fulfills the Fine Arts credit required for graduation. An activity fee is required.

***AP Music Theory**

Course ID: 6500 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: Advanced Music Theory

Description: AP Music Theory is a college preparatory class which focuses on the structure of Western music and the tools necessary to create music. The study of music will include looking at well-known Western Composers' works for analysis, learning musical interval and scale formulae, learning how to create simple compositions, ear training, sight singing and creating simple piano accompaniments to melodies at sight. May be repeated for credit. This course will satisfy the Fine Arts credit required for graduation. A fee for the College Board exam is required.

String Orchestra

Course ID: 6420 **Credit:** 1 **Grade Level:** 9-12

Description: High School Symphonic and Concert Orchestras are a year-long, primarily performance-oriented course, for students in grades 9-12 who have successfully completed the prerequisite of middle school orchestra. Placement in Symphonic and Concert Orchestra will be

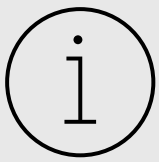
determined at the discretion of the head director of the respective school through an established criterion. Music reading skills are reinforced while students continue to refine and develop the correct techniques needed for playing their selected instrument (violin, viola, cello, double bass). Orchestral music of various periods and styles are studied and performed. Students will perform four or more concerts at the discretion of the director and will also be provided an opportunity to perform and study chamber music. Participation in performances is required. Opportunities for Evaluative Festivals, SJSD Honors Orchestra, K.C. Metro All-District Orchestra, and Missouri All-State Orchestra are available to students in this course. This course may be repeated for additional credits and satisfies the fine arts credit required for graduation. This course may be taken for Honors Credit as long as the student meets the requirements found here. This course is designed to meet daily for a minimum of 50 minutes. An activity fee is required and students must be MSHSAA eligible to fully participate in the course.

***High School Orchestra**

Course ID: 6421 **Credit:** 1 **Grade Level:** 9-12

Description: Students may elect to receive honors credit through enrollment in High School Orchestra for two semesters. In order to receive (2) semesters of Honors Credit students must be members in good standing their in the High School Orchestra organization for the entire year and complete the additional requirements as outlined here. The teacher and student will document and track the successful completion of these requirements throughout the school year. An activity fee is required and students must be MSHSAA eligible to fully participate in the course. Failure to complete the required number of activities in a semester will result in a withdrawal of Orchestra for honors credit the following semester and reduction in overall grade. An application must be submitted to be considered for honors credit.

Fine Arts – Speech/Debate/Theatre



Look for these symbols before the Name of the Course

***** indicates that it is an Honors course
AP indicates that it is an Advanced Placement course
DC indicates that it is a Dual Credit course

Debate I

Course ID: 6350 **Credit:** .5 **Grade Level:** 9-12

Description: This is a foundational course designed to introduce students to the art of argumentation and structured discourse. This course aims to cultivate essential skills in critical

thinking, persuasive communication, and effective teamwork through the lens of debate. Students will learn about several forms of competitive debate. Students will learn the skills to articulate ideas persuasively, engage in constructive dialogue, and address intricate issues through critical thinking.

***Debate**

Course ID: 6361 **Credit**: .5 **Grade Level**: 9-12

Prerequisite: Debate

Description: Building on the foundations laid in Debate, this advanced-level program challenges students to reach new heights in critical thinking, research, and argumentation. Delve into sophisticated debate formats, such as Lincoln-Douglas, Policy, Parliamentary, and Public Forum, exploring nuanced rules and strategic intricacies unique to each format. Students who have a strong foundation in debate will be able to elevate their skills to an advanced level. Honors Debate is a co-curricular activity, and evening/weekend tournament participation is expected. Students will take the skills acquired in Debate Class, build upon those skills, and prepare for competitive debate events to be completed Speech and Debate Tournaments. This course may be repeated for credit.

Speech I

Course ID: 6001A **Credit:** .5 **Grade Level:** 9-12

Description: This course offers a structured and supportive environment for students to develop into effective and influential speakers. Students will work to craft and deliver speeches and performances across a spectrum of genres, including Interp (Dramatic, Humorous, Duo), Duet, Informative and Original Oratory, Extemporaneous Speaking, Poetry, Prose, Radio Speaking, and Storytelling. Through a combination of theoretical insights, practical exercises, and constructive feedback, students will emerge with the confidence and skills necessary to captivate audiences and succeed as impactful communicators.

***Speech**

Course ID: 6365 **Credit:** .5 **Grade Level:** 9-12

Prerequisite: Successful completion of Speech 1

Description: This course is designed for students who are passionate about mastering the art of advanced speech communication. Through a combination of theoretical insights, hands-on exercises, and challenging projects, students will emerge with a heightened ability to navigate and excel in the complex landscape of advanced public discourse. Honor Speech is a co-curricular activity, and eventing/weekend participation is expected. Students will take the skills required in Speech class, build upon those skills, and create competitive speech pieces to compete in Speech and Debate tournaments. This course may be repeated for credit.

Musical Theatre Productions

Course ID: 6325 **Credit:** 0.5 **Grade Level:** 10-12

Description: The purpose of this course is to establish a strong foundation for actors, fostering success on the stage while exploring and honing the essential skills needed to excel as a musical theatre performer— encompassing singing, dancing, and acting. Emphasizing an integrative approach, the course is designed to assist students in seamlessly blending these skills, resulting in enjoyable and impactful performances.

Improvisational Performance

Course ID: 6326 **Credit:** 0.5 **Grade Level:** 10-12

Description: This course invites students to explore the spontaneous and creative art of unscripted acting. Through a series of engaging exercises, games, and scenarios, students will develop and enhance their improvisational skills, fostering quick thinking, collaboration, and the ability to adapt to unforeseen challenges. Whether a novice or seasoned performer, students will leave with the skills to think on their feet, collaborate effectively, and captivate audiences through the spontaneous magic of improvisation.

Technical Theatre Productions

Course ID: 6321 **Credit:** 1 **Grade Level:** 9-12

Description: This program is an introduction to technical theatre. Students will gain an understanding of theatre hierarchy, technical theatre roles, types of theatres and stages, stage geography, and parts of a theatre, using components of theatre: costuming/make-up, lighting, set building, sound/audio, and prop development. This is an entry-level course that can be taken at any point. Suggested class size shall be capped at 17 for safety purposes.

Introduction to Theatre

Course ID: 6299 **Credit:** 1 **Grade Level:** 9-12

Description: This introductory course provides students with a comprehensive exploration of the world of theater, offering a blend of theory and practice. Through a diverse range of engaging activities and discussions, students will delve into the fundamental elements of theater. The culminating project serves as the synthesis of their learning, allowing students to showcase their newfound skills and knowledge. This course serves as a gateway for further exploration into the diverse and exciting world of theater.

Theatre Arts I

Course ID: 6310 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: Successful completion of Intro To Theatre Arts

Description: Theatre Arts 1 is centered around performance, aiming to enhance and broaden students' artistic skills. This curriculum builds upon the foundation established in Intro to Theatre, incorporating units on character analysis, monologue writing and performance, Shakespeare performance, and design. The culmination of this program will be a collaborative endeavor to create and present a Devised theater.

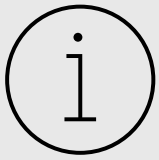
***Theatre Arts**

Course ID: 6315 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Successful completion of Intro To Theatre Arts and Theatre Arts 1

Description: Honors Theatre Arts is an advanced course that further develops and expands theatre concepts and skills outlined in the Theatre Arts I and Advanced Theatre Arts curricula. This course is designed for the highly motivated 11th or 12th grade Theatre student who is interested in applying their knowledge by focusing on one of the four core areas of Theatre Production: Acting, Directing, Designing, or Playwriting. Students will research, analyze, design and produce presentations or live performances and produce a portfolio of their work.

Fine Arts – Visual Arts



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Foundations in Art

Course ID: 6005 **Credit:** 1 **Grade Level:** 9-10

Description: This is an introductory course exploring many areas of the visual arts. In this course students will survey drawing, painting, sculpture, printmaking, ceramics, and art history. This course is a prerequisite for all other art courses. This course satisfies the Fine Arts credit requirement. Students may test out with a written test and portfolio review if they have taken 7th and 8th Grade advanced Art.

Drawing/Painting
Course ID: 6041 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: Foundations in Art or Portfolio/Test
Description: In this course students will explore drawing and painting techniques, the study of perspective, anatomy, media, color, composition and subject matter. They will learn about traditional and contemporary resources, artists, critiques, research, portfolios and exhibition presentations.

A sketchbook is required for this class.

***Drawing/Painting**
Course ID: 6043 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: Drawing/Painting

This course is designed for students to build on the sequential learning experience and expand on previous drawing techniques and materials while exploring new concepts and ideas. Works produced in this course will be of portfolio quality. Teacher approval for enrollment is required. Class size is limited. May be repeated for credit. A supply fee and supplemental purchasing of supplies is required.

2D Design
Course ID: 6176 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: Foundations in Art or Portfolio/Test
Description: This course introduces students to cultural history, aesthetics, and techniques of printmaking, photography, collage, and graphics. A wide variety of subject matter, such as portraiture, social commentary and landscapes will be explored. This course introduces students to the production of multiple images from a single design. Emphasis is on design and creative use of the material and techniques.

***2D Design**
Course ID: 6178 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: 2D Design
Description: This course is designed for students to expand on previously learned programs. Works produced in this course will be of portfolio quality work. Teacher approval for enrollment is required. Class size is limited. May be repeated for credit. A supply fee and supplemental purchasing of supplies is required.

3D Design

Course ID: 6185 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: Foundations in Art or Portfolio/Test

Description: In this course, students will study space, color, form, shape, and the influence of material and subject matter on form. They will research artists and their techniques, give presentations, plan their projects 2 dimensionally and then execute those 3 dimensionally.

***3D Design**

Course ID: 6188 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: 3D Design

Description: Students will expand on 3D design materials and techniques while exploring new concepts and ideas. Students will be creating realistic and abstract art with attention to detail and craftsmanship. Students will explore a variety of ideas and problem solving. Works produced will be of portfolio quality work. Teacher approval is required for enrollment. Class size is limited. May be repeated for credit. A supply fee and supplemental purchasing of supplies is required.

***AP Drawing Portfolio**

Course ID: 6170 **Credit:** 1 **Grade Level:** 10-12

Description: This course addresses a broad interpretation of drawing issues and media. Light, shade, line quality, rendering form, composition, surface manipulation and illusion of depth are a few that will be addressed. Teacher approval for enrollment is required. Class size is limited. May be repeated for credit. A supply fee and supplemental purchasing of supplies is required. A fee is required for the AP Exam.

***AP 2D Portfolio**

Course ID: 6180 **Credit:** 1 **Grade Level:** 10-12

Description: In this course, students will demonstrate an understanding of design principles as applied to a two-dimensional surface. Any 2D process or medium may be submitted, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, printmaking, etc. Teacher approval for enrollment is required. Class size is limited. May be repeated for credit. A supply fee and supplemental purchasing of supplies is required

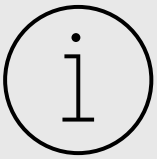
***AP 3D Portfolio**

Course ID: 6190 **Credit:** 1 **Grade Level:** 10-12

Description: This course addresses sculptural issues. Students will demonstrate mastery of 3D design through any three-dimensional approach including, but not limited to, figurative or non

figurative sculptures, architectural models, metal works, ceramics, and three-dimensional fibers. Teacher approval for enrollment is required. Class size is limited. May be repeated for credit. A supply fee and supplemental purchasing of supplies is required.

Fine Arts – Vocal Music



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Mixed Choir
Course ID: 6450 **Credit:** 1 **Grade Level:** 9-12
Description: This course is a choir for those who would like to sing in a choir, but have had little experience singing. This course includes the study of music literacy, musical connections, performance techniques and musical expression. May be repeated for credit with teacher's approval. This course will satisfy the Fine Arts Credit required for graduation.

Treble Choir
Course ID: 6440 **Credit:** 1 **Grade Level:** 9-12
Description: This is primarily an introductory course for treble voices (C5 to G5 full voice, no falsetto) interested in singing in a group. This class is for students who enjoy singing, with emphasis on the fundamentals of singing.Audition unnecessary. Concert attendance is required. May be repeated for credit, with teachers' approval. This course will satisfy the Fine Arts Credit required for graduation.

Bass Choir
Course ID: 6490 **Credit:** 1 **Grade Level:** 9-12
Description: This is primarily an introductory course for Bass voiced singers in the lower vocal range (G2-F3) interested in singing in a group. Emphasis will be placed on how to work with the changing or recently altered male voice as well as strategies for building effective sight singing skills. A wide variety of music literature will be performed throughout the year. Previous experience is recommended but not needed. Attendance at outside performances is required. The student is responsible for assembling a uniform of white dress shirt, black pants, black socks and black dress shoes. A participation fee is required by the school district. This course will satisfy the Fine Arts Credit required for graduation.

Bel Canto

Course ID: 6485 **Credit:** 1 **Grade Level:** 10-12

Description: This is an advanced group of women that would like to continue vocal study through advanced treble voice (C5 to G5 full voice, no falsetto) vocal literature. A wide variety of music literature will be performed throughout the year. Attendance at outside performances is required. A participation fee is required by the school district. The school will provide the uniform. The student is responsible for black pantyhose and black dress shoes. This course will satisfy the Fine Arts Credit required for graduation. Audition/teacher approval required.

Advanced Concert Choir

Course ID: 6475 **Credit:** 1 **Grade Level:** 10-12

Description: This course is an advanced concert choir of auditioned singers. Emphasis is placed on higher levels of musicianship including sight singing, tone production, phrasing, breath control, diction, and music theory. A wide variety of choral literature is performed throughout the year. Attendance at outside performances is required. The school will provide the required uniform. Women are responsible for black pantyhose and black dress shoes. Men are responsible for black socks and black dress shoes. This course will satisfy the Fine Arts Credit required for graduation. Audition/teacher approval required.

***Chamber Choir**

Course ID: 6497 **Credit:** 1 **Grade Level:** 10-12

Description: This is a highly selective chamber choir of auditioned singers. Emphasis is placed on advanced levels of musicianship including sight singing, vocal production, and performance technique. A wide variety of chamber music is performed throughout the year. Attendance at outside performances is required. The school will provide the required uniform. Women are responsible for black pantyhose and black dress shoes. Men are responsible for black socks and black dress shoes. This course will satisfy the Fine Arts Credit required for graduation. An activity fee is required. Audition/teacher approval required.

Agricultural Science (HTC)



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***CASE Intro to AFNR**
Course ID: 9401 **Credit:** 1 **Grade Level:** 9-12
Description: Introduction to Agriculture, Food, and Natural Resources (AFNR) introduces students to the range of agricultural opportunities and the pathways of study they may pursue. Science, mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout the CASE™ curriculum. Woven throughout the course are activities to develop and improve employability skills of students through practical applications. Students will explore career and post-secondary opportunities in each area of the course.

Course Rationale: Agriculture encompasses the food, fiber, conservation, and natural resource systems, employing over 20% of the nation's workforce. An understanding of the careers, leadership, and basic principles in the agriculture animal and food industry provides a sound background to pursue an agricultural career. This class is open to freshmen in the St. Joseph School District.

***CASE Principles of Plant Science**
Course ID: 9406 **Credit:** 1 **Grade Level:** 9-12
Description: This course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting "hands-on" activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers.

Course Rationale: Agriculture encompasses the food, fiber, conservation, and natural resource systems, employing over 20% of the nation's workforce. An understanding of the careers, leadership, and basic principles in the agriculture animal and food industry provides a sound background to pursue an agricultural career. This class is open to sophomores in the St. Joseph School District who have successfully completed CASE Intro to AFNR or equivalent coursework from previous district(s).

This course meets one semester and takes up two class periods, earning 1 credit. This course is offered on a rotation, see current year schedule for options.

***CASE Principles of Animal Science**

Course ID: 9411 **Credit:** 1 **Grade Level:** 9-12

Description: This course is to expose students to agriculture, animal science, and related career options. Students participating in the ASA course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. For example, students will acquire skills in meeting the nutritional needs of animals while developing balanced, economical rations. Throughout the course, students will consider the perceptions and preferences
of individuals within local, regional, and world markets.

Course Rationale: Agriculture encompasses the food, fiber, conservation, and natural resource systems, employing over 20% of the nation's workforce. An understanding of the careers, leadership, and basic principles in the agriculture animal and food industry provides a sound background to pursue an agricultural career. This class is open to sophomores in the St. Joseph School District who have successfully completed CASE Intro to AFNR or equivalent coursework from previous district(s).

This course meets one semester and takes up two class periods, earning 1 credit. This course is offered on a rotation, see current year schedule for options.

***CASE Investigating Agricultural Biotechnology**

Course ID: 9416 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Recommended - Principles of Plant Science and Biology or Principles of Animal Science and Biology or Biology and Chemistry

Description: This course provides students with experiences in industry appropriate applications of biotechnology related to plant and animal agriculture. Students will complete hands-on

activities, projects, and problems designed to build content knowledge and technical skills in the field of biotechnology. Students are expected to become proficient at biotechnological skills involving micro pipetting, bacterial cultures and transformations, electrophoresis, and polymerase chain reaction.

Course Rationale: Agriculture encompasses the food, fiber, conservation, and natural resource systems, employing over 20% of the nation's workforce. An understanding of the careers, leadership, and basic principles in the agriculture animal and food industry provides a sound background to pursue an agricultural career. This class is open to Juniors or Seniors in the St. Joseph School District who have successfully completed CASE Animal or Plant Science or equivalent coursework from previous district(s).

This course meets one semester and takes up two class periods, earning 1 credit. This course is offered on a rotation, see current year schedule for options.

***CASE Advanced Plant Science**
Course ID: 9421 **Credit:** 1 **Grade Level:** 9-12
Prerequisite: Completion of CASE Plant Science.
Description: This course is designed to give an in-depth study of the many careers and aspects of the Plant Science Industry. Course topics will include Greenhouse Management, Landscape Design, Forestry, Crop Science, Natural Resources, and Floriculture Design.

Course Rationale: Agriculture encompasses the food, fiber, conservation, and natural resource systems, employing over 20% of the nation's workforce. An understanding of the careers, leadership, and basic principles in the agriculture animal and food industry provides a sound background to pursue an agricultural career. This class is open to Juniors or Seniors in the St. Joseph School District who have successfully completed CASE Intro to AFNR and CASE Principles of Plant Science or equivalent coursework from previous district(s).

This course meets one semester and takes up two class periods, earning 1 credit. This course is offered on a rotation, see current year schedule for options.

Conservation of Natural Resources
Course ID: 9383 **Credit:** 1 **Grade Level:** 9-12
Description: This course utilizes the Nature Unbound curriculum that has been developed to help students understand how all the pieces of their science knowledge are interrelated and to demonstrate how to connect those pieces to solve the puzzle of the natural world around them. Nature Unbound does not teach basic biology course concepts. Instead, it builds on knowledge

students gained from previous biology classes. Most activities in this unit are designed to get students outdoors and exploring, investigating, and asking questions about immediate areas around their school.

Agribusiness
Course ID: 9386 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: Completion of Algebra I
Description: This course combines farm management, agribusiness management, and content based on agricultural economic principles. Computer applications are included to enhance student understanding and utilization of current technology. Units include human relations, verbal and written communication, microcomputers in agriculture, economic principles, agribusiness management, agribusiness planning and analysis, and retail agriculture. This course can be taken to meet the personal finance requirement needed for graduation.
This class is open to Juniors or Seniors in the St. Joseph School District who have successfully completed CASE Intro to AFNR or equivalent coursework from previous district(s).

This course meets one semester and takes up two class periods, earning 1 credit. This course is offered on a rotation, see current year schedule for options.

Agricultural Sales
Course ID: 9386 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: Completion of Algebra I
Description: This course combines agribusiness sales, agribusiness marketing, and content based on agricultural economic principles. Computer applications are included to enhance student understanding and utilization of current technology. Units include human relations, verbal and written communication, agricultural economic principles, agribusiness management, agribusiness technologies, career development, and retail agribusiness.

Course Rationale: Agriculture encompasses the food, fiber, conservation and natural resource systems, employing over 20% of the nation's workforce. Application of economic principles and business management to the agriculture industry provides the basis for financial success of an agribusiness.

This course meets one semester and takes up two class periods, earning 1 credit. This course is offered on a rotation, see current year schedule for options.

***CASE Animal Health and Veterinary Science**

Course ID: 9381 **Credit:** 1 **Grade Level:** 9-12

Prerequisite: Completion *CASE Principles of Animal Science and/or Biology

Description: This course is designed to introduce students that desire to pursue a career as a veterinarian, become a veterinarian assistant or work in a related field through study of scientific principals used to diagnose, treat and prevent diseases in animals used for meat and as companions. Students taking this class will be exposed to live animals. Animal-Oriented course including animal structures, animal species comparison, proper animal handling techniques, proper interaction with patients' owners, proper client confidentiality, proper handling for bodily fluids and spills.

Course Rationale: Agriculture encompasses the food, fiber, conservation, and natural resource systems, employing over 20% of the nation's workforce. An understanding of the careers, leadership, and basic principles in the agriculture animal and food industry provides a sound background to pursue an agricultural career in the Animal Science Sector. This class is open to Juniors or Seniors in the St. Joseph School District who have successfully completed CASE Intro to AFNR and CASE Principles of Animal Science or equivalent coursework from previous district(s).

This course meets one semester and takes up two class periods, earning 1 credit. This course is offered on a rotation, see current year schedule for options.

***CASE Food Science and Safety**

Course ID: **Credit:** 1 **Grade Level:** 9-12

Description: FSS is a specialization course in the CASE Program of Study. Students complete hands-on activities, projects, and problems that simulate actual concepts and situations in the food science and safety industry, allowing students to build content knowledge and technical skills. Students investigate areas of food science, including food safety, food chemistry, food processing, food product development, and marketing.

Students maintain a research-level laboratory notebook throughout the course documenting their experiences in the laboratory. Research and experimental studies are highlighted as students develop and conduct industry investigations.

This course meets one semester and takes up two class periods, earning 1 credit. This course is offered on a rotation, see current year schedule for options.

Agricultural Science (HTC)



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Accounting I
Course ID: 5100 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: None
Description: Accounting I is a full year course that introduces basic accounting principles necessary for a business and an individual. Activities include the accounting equation, the accounting cycle, entering transactions in journals, posting to ledgers, end-of-period statements and reports, payroll systems, banking activities, taxes, etc. Students who are interested in business related fields such as accounting, management, economics, or marketing, as well as law or computer science, should take this course.

***Accounting II / Financial Management**
Course ID: 5110 **Credit:** 1 **Grade Level:** 11-12
Prerequisite: Successful Completion of Accounting I
Description: Accounting II is a full year course that expands upon basic accounting principles and introduces departmental, corporate, cost and managerial accounting concepts. The course curriculum also utilizes the spreadsheet skills and accounting software and introduces the analysis aspect of accounting.

Computer Applications Technology
Course ID: 5065 **Credit:** 0.5 **Grade Level:** 9-12
Description: Students will have the opportunity to upgrade their computer proficiency, which will enable them to prepare and present projects for other courses in a more professional manner. The course provides instructions for content knowledge and skill required in the technology-based workplace. The demand will continue to expand for individuals to interact with the computer to create documents, gather information, and solve problems. The content of this class is vital for students planning to enter the workforce or post-secondary education.

Computer Programming

Course ID: 5080 **Credit:** 0.5 **Grade Level:** 9-12

Prerequisite: None

Description: Offered to students who are interested in business and/or computer technology. This course is designed to equip the student with a background of computer operation concepts and an introduction to computer programming languages. Activities include: installing software programs, writing and applying simple programs to solve business problems, and operating business data processing systems.

Digital Communications

Course ID: 9517 **Credit:** 0.5 **Grade Level:** 9-12

Prerequisite: None

Description: This course develops an understanding of media literacy and digital citizenship. The content in this area is vital to students who have interest in pursuing a future in any career. The skills learned and knowledge obtained throughout the course are designed to prepare students in overall digital citizenship, evaluating information, media literacy, ethical use of information, and avoiding plagiarism. These skills will be demonstrated not only in business classes, but in a high school level course. Students will learn the basics of internet etiquette and the importance of online safety and security.

Principles of Entrepreneurship

Course ID: 5185 **Credit:** 0.5 **Grade Level:** 10-12

Prerequisite: None

Description: Have you ever thought about starting your own business? Develop your entrepreneurial mindset by taking Principles of Entrepreneurship. This course will introduce students to the role of entrepreneurship in our economy, entrepreneurial discovery and preliminary start-up business planning. The capstone activity is the development of an innovation plan for students' start-up businesses.

***International Business & Marketing**

Course ID: 9690 **Credit:** 1 **Grade Level:** 12

Prerequisite: Successful Completion of Marketing I

Description: This course will investigate the global business and marketing environment, international business structures, international finance, international trade, international marketing, and explore international career opportunities. Students will have the opportunity to create a business plan for an international business opportunity in the country of their choice. The Marketing Internship component will also be offered to students choosing this class.

Introduction to Business

Course ID: 5000 **Credit:** 1 **Grade Level:** 9-12
Prerequisite: None
Description: A full year course designed to increase knowledge of the American business system. It will help students in selecting the goods and services available from business, industry and government. This course will help the student manage personal and business affairs including using checking and savings accounts, credit cards, and various kinds of insurance. This course includes a unit on career education.

Marketing I
Course ID: 9673 **Credit:** 1 **Grade Level:** 11-12
Prerequisite: None
Description: Marketing I is a full-year, cooperative vocational education course that includes instruction in the four foundations (Business, Management, and Entrepreneurship; Communication and Interpersonal Skills; Economics; Professional Development) and the seven functions (Distribution, Financing, Marketing-Information Management, Pricing, Product/Service Management, Promotion and Selling) of marketing. Students enrolled in ME courses are encouraged (but not required) to have/seek employment of which they may receive additional credit (other than the classroom credit) through instructional programs that help to apply the in-class knowledge to the on-the-job training.

Marketing II
Course ID: 9677 **Credit:** 1 **Grade Level:** 12
Prerequisite: Successful Completion of Marketing I
Description: The purpose of the Marketing Course is to reinforce and extend the study of marketing processes, procedures, strategies, and tactics acquired in Marketing I as a final marketing course, Marketing II is designed to allow time for classroom projects. The Marketing II course enables students to understand the dynamic discipline of marketing as it is practiced in small business. Students are given the opportunity to practice the use of technological business tools in performing marketing activities. The course integrates academic skills such as writing, reading, communication, mathematics and research.

Marketing Education Internship I
Course ID: 9674 **Credit:** 1-2 **Grade Level:** 11-12
Prerequisite: Must be dual enrolled in a Marketing course
Description: This course is a laboratory class for Marketing Education that requires the student to have a job that provides the student with a minimum of 10 hours of weekly employment experience per week supervised by the teacher/coordinator in an area related to Marketing. Successful completion of the class work is necessary to receive a job credit. Training

stations (jobs) will be visited by the ME teacher/coordinator and together with the employer, evaluate the student progress and establish a letter grade for the student. The job must be associated with a licensed business and within the realm of marketing. All places of employment must be approved by the teacher/coordinator to ensure that all environmental and safety conditions are suitable for the welfare of the students. Interviews with students desiring to enroll in the ME program will be conducted the semester prior to the class.

Marketing Education Internship II

Course ID: 9678 **Credit:** 1-2 **Grade Level:** 12

Prerequisite: Students must have successfully completed all internship projects from Marketing Education Internship I and passed Marketing I. Students must be dual enrolled in a Marketing course.

Description: This course is a laboratory class for Marketing Education that requires the student to have a job that provides the student with a minimum of 10 hours of weekly employment experience per week supervised by the teacher/coordinator in an area related to Marketing. Successful completion of the class work is necessary to receive a job credit.

Training stations (jobs) will be visited by the ME teacher/coordinator and together with the employer, evaluate the student progress and establish a letter grade for the student. The job must be associated with a licensed business and within the realm of marketing. All places of employment must be approved by the teacher/coordinator to ensure that all environmental and safety conditions are suitable for the welfare of the students. Interviews with students desiring to enroll in the ME program will be conducted the semester prior to the class.

Personal Finance

Course ID: 5160 **Credit:** 0.5 **Grade Level:** 11

Prerequisite: None

Description: The student will learn about careers, consumerism, economics, advertising, credit, budgeting and insurance. The course presents a realistic and practical approach to money management, and it provides related experiences necessary for becoming a capable employee and an efficient consumer.

This course is required for graduation.

Sports Marketing I

Course ID: 9692 **Credit:** 0.5 **Grade Level:** 9-12

Prerequisite: None

Description: This course will help students develop a complete 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, sponsorship, event marketing, promotions, sponsorship proposals, and sports marketing plans. This course will also uncover the components of promotion plans, sponsorship proposals, and the key elements needed in sports marketing plans.

***Sports Marketing II**

Course ID: 9693 **Credit:** 0.5 **Grade Level:** 9-12

Prerequisite: Sports Marketing I

Description: Sports Marketing II is a practical application of curriculum learned in the prerequisite Sports Marketing I. Students will engage in real-world applications of sports marketing including career studies, partnering with coaches and athletic directors, and creation, organization, and implementation of gameday promotions and sponsorship sale recruitment and fulfillment for every sport. Students will be expected to participate in activities requiring additional time outside of class before, during, and after school.

Web Design

Course ID: 5200 **Credit:** 0.5 **Grade Level:** 9-12

Prerequisite: None

Description: Web Design focuses on the design and management of web pages using HTML and WYSIWYG (what you see is what you get) software. The student will learn how to use the Web Development Phase to plan, analyze, design, test, implement, and maintain a successful website on the internet.

High School of Business



Look for these symbols before the Name of the Course

***** indicates that it is an Honors course
AP indicates that it is an Advanced Placement course
DC indicates that it is a Dual Credit course

***High School of Business: Principles of Business**
Course ID: 5320 **Credit:** 0.5 **Grade Level:** 9-10
Prerequisite: It is strongly suggested that students complete Introduction to Business as a freshman.
Description: Principles of Business, a project-based business course, develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of three projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

***High School of Business: Business Economics**
Course ID: 5325 **Credit:** 0.5 **Grade Level:** 9-10
Prerequisite: Principles of Business
Description: In Business Economics, a project-based business course, students expand their understanding that businesses are influenced by external factors that are often beyond their control. Consumer spending, government policies, economic conditions, legal issues, and global competition are addressed through practical, current applications to everyday societal and business life. Decision matrices are introduced, and the importance and costs of quality are stressed. Students develop their knowledge and skills in such areas as economics, entrepreneurship, operations, and professional development. Throughout the course, students will be presented with current economic problems for which they are asked to determine solutions, often through the application of decision matrices.

***High School of Business: Principles of Marketing**

Course ID: 5330 **Credit:** 0.5 **Grade Level:** 10-11

Prerequisite: Principles of Business and Business Economics Students enrolled in this course are eligible for Marketing Internship.

Description: Principles of Marketing is a project-based business course that develops student understanding and skills in the functional areas of marketing: channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students acquire an understanding and appreciation of each of the marketing functions and their ethical and legal issues. Decision matrices are employed to aid in market planning.

***High School of Business: Principles of Finance**

Course ID: 5335 **Credit:** 0.5 **Grade Level:** 10-11

Prerequisite: Principles of Business and Business Economics. Students enrolled in this course are eligible for Marketing Internship.

Description: Principles of Finance furthers student understanding of two specific business activities, accounting and finance—that were introduced in an earlier High School of Business™ course, Principles of Business. Through team activities and a semester-long corporate investment project, students make connections between accounting and finance. Students acquire an understanding of financial statements, calculate financial ratios, and make corporate financial management decisions based on their analysis of that financial data. In addition, students apply the concepts of operating and overhead costs, internal accounting controls, and budgets to their class business. Lastly, cost/benefit analysis is introduced as an element of financial planning and decision-making.

***High School of Business: Principles of Management**

Course ID: 5340 **Credit:** 0.5 **Grade Level:** 11-12

Prerequisite: Students enrolled in this course are eligible for Marketing Internship.

Description: Get an up-close look at managing. You'll learn first-hand how to manage projects and people—and how to do it ethically and legally. This course includes individual and group work as you conquer problems in the different areas of management, such as human resources management, risk management, project management, and knowledge management.

***High School of Business: Business Strategies**

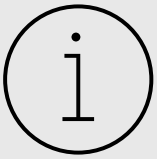
Course ID: 5345 **Credit:** 0.5 **Grade Level:** 11-12

Prerequisite: Students enrolled in this course are eligible for Marketing Internship.

Description: Here's where it all comes together. In this course you will run your own business. Using the smarts gained in previous High School of Business™ courses, you'll start by writing a

real business plan. Then you'll put that plan to action by opening and operating a business. You will tackle problems real business professionals face, such as interviewing, hiring and supervising staff, keeping financial records, evaluating results, and much more. Along the way you'll find out how the areas of a company (marketing, finance, management, etc.) work together.

Family & Consumer Science



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Child Development & Parenting I
Course ID: 5800 **Credit:** 0.5 **Grade Level:** 9-12
Description: This course covers prenatal care, birth through the first year, including the physical, social, emotional and intellectual development of an infant.

Child Development & Parenting II
Course ID: 5810 **Credit:** 0.5 **Grade Level:** 9-12
Prerequisite: Child Development & Parenting I
Description: This course includes the physical, social, emotional and intellectual development of a child from one to school age. Additional study explores health and safety, effective parenting skills, common problems of childhood discipline, and special needs of some children.

Family Foods & Nutrition
Course ID: 5720 **Credit:** 0.5 **Grade Level:** 9-12
Description: Learn the basics of food selection, preparation, and service. Improve your eating habits by preparing healthy snacks, dazzle your friends and family with great creations! Learn to plan meals on a budget. Use your cooking skills in your first time away from home, and for the rest of your life.

Family Living
Course ID: 5840 **Credit:** 0.5 **Grade Level:** 9-12

Description: This course explores understanding of oneself and others in the context of dating and marriage. Students learn practical skills to use in relationships both inside and outside the family.

Fashion & Fabrics I

Course ID: 5740 **Credit:** 0.5 **Grade Level:** 9-12

Description: A beginning/ intermediate course in sewing. The student is introduced to more complex sewing techniques. At least two sewing projects are required. Students must purchase their own materials.

Fashion & Fabrics II

Course ID: 5750 **Credit:** 0.5 **Grade Level:** 9-12

Prerequisite: Fashion & Fabrics I

Description: This is a course for the advanced student interested in more creative sewing skills.

Interior Design & Housing

Course ID: 5820 **Credit:** 0.5 **Grade Level:** 9-12

Prerequisite: Preferred successful completion of Fashion & Fabrics I

Description: This course is a study and application of color, furnishing, and architecture along with options in housing, and wise management of resources to provide a satisfying living environment.

Pro Start I

Course ID: 5760 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: Family Foods & Nutrition (World Foods is recommended, but not required).

Description: Pro Start is a full year course that teaches food service management and basic culinary skills. During the first semester students will explore hospitality and culinary careers and demonstrate safety and sanitation procedures. Kitchen basics will be applied in cooking labs. During the second semester emphasis will be placed on workplace experiences through a program of study, including a paid industry mentorship.

Pro Start II

Course ID: 5770 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Pro Start I

Description: During year 2, students will meet for advanced food preparation skills, development and study, as well as work at a part-time job. Passage of both the ProStart 1 & 2 exams, as well as successful completion of the work experience, can lead to ProStart certification upon graduation. Transportation to the work site is student responsibility.

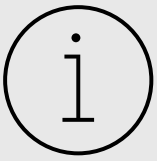
World Foods & Nutrition

Course ID: 5730 **Credit:** 0.5 **Grade Level:** 9-12

Prerequisite: Family Foods & Nutrition

Description: Explores how nutrition and foods from other lands have influenced American cuisine.

Industrial Technology



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Metalworking Technology

Course ID: 5465 **Credit:** 1 **Grade Level:** 9-12

Description: This is a project-oriented course, which includes preparation and projects in the areas of sheet metal, foundry, machining and welding. Career opportunities relating to these areas will also be studied. CNC machining will be introduced. Areas of welding include oxyacetylene, arc, wire feed and aluminum welding. A fee may be assessed for this course.

Advanced Metalworking Technology

Course ID: 5480 **Credit:** 1 **Grade Level:** 9-12

Prerequisite: Successful completion of Metalworking Technology

Description: Project-oriented course including foundry, sheet metal, welding, lathe, art metal, forging, and metal turning, vertical mill and CNC mill. Students will explore extended problem solving and creative thinking as they work with many processes of industry and metalworking. A fee may be assessed for this course.

Woodworking Technology

Course ID: 5590 **Credit:** 1 **Grade Level:** 9-12

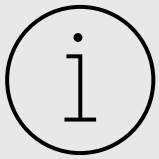
Description: Includes study of tools, materials, and processes used in wood industry. A project is used to involve students in designing, constructing, and experimenting with wood

products. Techniques, occupations and consumer information emphasized to provide both vocational/avocational learning. A fee may be assessed for this course.

Advanced Woodworking Technology
Course ID: 5595 **Credit:** 1 **Grade Level:** 10-12
Prerequisite: Successful completion of Woodworking Technology
Description: Advanced Woodworking Technology is designed to increase the scope and depth of the first-year course in woodworking technology. An increased emphasis is placed on safe and proper machine use and advanced product production. Students will be introduced to CAD/CAM and CNC machining. Introduction to basic carpentry procedures are studied, and students are provided opportunities to research woodworking careers and training programs through various mediums.

A fee may be assessed for this course.

Skilled Technical Sciences



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Collision Repair & Refinish I – AM/PM
Course ID: 9050 & 9055 **Credit:** 3 **Grade Level:** 11
Description: In the Collision Repair & Refinish program, students will learn the basics of auto body repair through classroom and hands on experience in the auto collision shop. In the classroom students will learn shop safety and refinishing safety. In the shop students will master the skills necessary to perform entry level masking, painting and refinishing as well as two tone painting techniques, both solvent and water based paints are taught. Students will also learn to use panel bonding adhesives, and welding techniques which include six different types of welds. Additionally students will learn and use hand tools appropriate for the auto collision industry. Most work will be done on cars and light duty trucks
so that they can become proficient in using common materials, techniques and technologies used in the auto collision industry. In the classroom, students learn from various forms of

literature, lecture, demonstrations, and classroom discussions. They will learn to use reference books, charts, manuals and computers as tools of the trade.

Collision Repair & Refinish II – AM/PM

Course ID: 9060 & 9065 **Credit:** 3 **Grade Level:** 12

Prerequisite: Collision Repair & Refinish I

Description: Second year students may work in a related job in the last quarter of the year. Up to 30 articulated college credits. In the second year, students continue to learn the basics of auto body repair through classroom and hands on experience in the auto collision shop. In the shop the students will master the skills of dent repair, body fillers, fiberglass repair, panel replacement, three stage paint jobs. They will also master the skills introduced in year one. Most work will be done on cars and light duty trucks so that they can become proficient in using common materials, techniques and technologies used in the auto collision industry. In the classroom, students learn from various forms of literature, lecture, demonstrations, and classroom discussions. They will learn to use reference books, charts, manuals and computers as tools of the trade.

Automobile Service Technology I – AM/PM

Course ID: 9070 & 9075 **Credit:** 3 **Grade Level:** 11 or 12

Description: As automobiles become more complex and expensive, the need for skilled technicians will also continue to be in demand. This program prepares the student for entry-level employment in the field of automotive repair and maintenance. The course is organized around the NATEF/ASE (Automotive Service Excellence) testing program. The areas of demonstrated competence include: Careers, Safety/Orientation, Tools/Identification, Electrical System, Engine Performance, Heating and Air Conditioning. In the shop, students receive hands-on experience in the proper method of repairs and preventive maintenance on all electrical parts of the automobile, utilizing the most modern testing equipment. They learn to use sophisticated equipment, including digital multimeters, scan tools, lab scopes, and the latest computer diagnostic equipment. As students progress through the program, they will spend increasing amounts of time in the automotive shop, where they are responsible for diagnosing and repairing automobiles. This hands-on experience will prepare students for the work environment in the automotive industry. Students may work on their own vehicles when the class is studying that particular area.

Automobile Service Technology II– AM/PM

Course ID: 9080 & 9085 **Credit:** 3 **Grade Level:** 11 or 12

Prerequisite: Automobile Service Technology I
Description: As automobiles become more complex and expensive, the need for skilled technicians will also continue to be in demand. This program prepares the student for entry-level employment in the field of automotive repair and maintenance. The course is organized around the ASE (Automotive Service Excellence) testing program. The areas of demonstrated competence include: Careers, Safety/Orientation, Tools/Identification, Brake system, Steering and Suspension System, Engine Mechanical, Automatic/Manual Transmission and Driveline. In the shop, students receive hands-on experience in the proper method of repairs and preventive maintenance on all mechanical parts of the automobile, utilizing the most modern testing equipment. They learn to use sophisticated equipment, including tire mounting and balancing machines, brake lathes, alignment machines, and the latest computer diagnostic equipment. As students progress through the program, they will spend increasing amounts of time in the automotive shop, where they are responsible for diagnosing and repairing automobiles. This hands-on experience will prepare students for the work environment in the automotive industry. Students may work on their own vehicles when the class is studying that particular area. Students may work in a related job during the last quarter of the year. Up to 30 free articulated college credits.

Diesel Technology I - AM/PM
Course ID: **Credit:** 3 **Grade Level:** 11
Description: The course is a two-year program offered at Hillyard Technical Center to train students in the knowledge and fundamental skills needed to obtain their certification as a Diesel Mechanic. Students will learn the basics of the diesel engine, its components, and how to correctly and safely repair/service them. Additionally, students will learn to service, repair, and maintain other systems associated with diesel-powered trucks.

Diesel Technology II - AM/PM
Course ID: **Credit:** 3 **Grade Level:** 12
Prerequisite: Diesel Technology I
Description: The course is a two-year program offered at Hillyard Technical Center to train students in the knowledge and fundamental skills needed to obtain their certification as a Diesel Mechanic. Students will learn the basics of the diesel engine, its components, and how to correctly and safely repair/service them. Additionally, students will learn to service, repair, and maintain other systems associated with diesel-powered trucks.

***Computer Aided Drafting Technology I – AM/PM**
Course ID: 9101 & 9106 **Credit:** 3 **Grade Level:** 11

Description: The age of computers has brought significant change to the fields of design, drafting, engineering, architecture, and the various other fields related to these areas. Drafting is a graphical form of communication that is universally spoken. This course introduces the basic fundamentals of drafting beginning with board drafting and quickly advancing to computer aided drafting. The classroom setting is structured like that of a professional office and incorporates the D.R.A.W. (Discipline, Respect, Attitude, Work) method for success. The latest release of AutoCAD is the primary software taught for the first year class. Approximately 80% to 85% of the student's time will be spent on a computer, 20% on board basics.

***Computer Aided Drafting Technology II – AM/PM**

Course ID: 9111 & 9116 **Credit:** 3 **Grade Level:** 12

Prerequisite: Computer Aided Drafting Technology I

Description: The class progresses at a strong steady pace to equip students with the knowledge and skills necessary to obtain entry-level employment in design and drafting areas. Instruction is divided among lectures, demonstrations, and individual assistance. Most of the class time is spent in actual creation and drawings. Students have complete access to a computer. Students choose their emphasis of study between architectural drafting and technical drafting which relates to areas such as engineering, machining, manufacturing, etc. Students are also taught 3-dimensional modeling which is becoming more common in the industry. The latest releases of AutoCAD, Revit and Inventor are the primary software taught for the second year class. Plotters are used for plots up to 24 inches wide. If it can be drawn by hand, it can be drawn on the computer. Areas of instruction include: Drafting, Dimensioning, AutoCAD, Inventor, Sectional Views, Auxiliary Views, Architectural-Residential & Commercial, Pattern Development; Pictorial Drawing, Assemblies, Mechanical Design Concepts, Welding Drafting, Pipe Drafting, Electronic Drafting. Approximately 90% of the student's time is spent on the computer.

Carpentry I – AM/PM

Course ID: 9130 & 9135 **Credit:** 3 **Grade Level:** 11

Description: This course will make available to the student the opportunity to acquire those necessary skills to become employed in an entry level carpentry position. Safety; Trade Terms; Hand and Power Tools; the Measurement System; Shop Drawings, Plan Specifications and Codes; Footings and Foundations; Floor and Sill Framing; Wall, Partition, and Ceiling Framing; Roof Framing; Stair Construction

Carpentry II – AM/PM

Course ID: 9140 & 9145 **Credit:** 3 **Grade Level:** 12

Prerequisite: Carpentry I

Description: Second year: Safety; Trade Terms; Plans and Building Codes; Layout of Building Site; Footings and Foundations; Floor Framing 2, Wall and Partition Framing 2; Roof Framing 2; Door and Window Installation; Exterior Wall Finish; Insulation; Interior Wall Finish; Interior Trim; Directed Study; Exterior Finishes; Resume and Job Application.

***Electronic Technology I – AM/PM**

Course ID: 9151 & 9156 **Credit:** 3 **Grade Level:** 11

Description: There are unlimited opportunities in the field of Electronics. Some of these include robotics and bionics maintenance, repair, and design; computers; and communication stations (earth and space) maintenance, repair, and design with an emphasis in automation. Our course in electronics offers the basic tools that will open the door to wonders of the world that have yet to be dreamed. In the classroom, students learn from lecture, video materials, and classroom discussion. One of the strong points of the program is that students will spend over half their time in a closely supervised lab doing troubleshooting, repair, and alignment of various electronic devices. First year: Basic electricity; resistors; Ohm's Law; switches; series & parallel circuits; rheostats and potentiometers; voltage divider circuits; current dividers; direct-current meter; DC circuits; AC 1 fundamentals; network theorems; conductors and insulators; batteries; motor controls and UAS Drone Instruction.

***Electronic Technology II – AM/PM**

Course ID: 9161 & 9166 **Credit:** 3 **Grade Level:** 12

Prerequisite: Electronic Technology I

Description: Second year: Inductance; Capacitance; Digital logic; Resonance; Filters; Electronic Devices & Circuits; Microcomputer Basics & repair; Transistor Amplifiers; Digital Electronics; Integrated Circuits; DOS; Basic Computer Programming; Robotics; Fiber Optic Training; Semiconductors; AC Fundamentals.

***Health Service Assistant I – AM/PM**

Course ID: 9180H & 9185H **Credit:** 3 **Grade Level:** 11 or 12

Prerequisite: The student must be entering the 11th grade or 12th Grade, have a valid driver's license, a minimum GPA of 2.0 or above, good attendance (less than 7 days a year), interested in working with people in the medical field, have basic math skills in measuring, proportions, reading comprehension and writing skills. The physical requirements for the class may include lifting, carrying, pushing or pulling, standing for long periods, talking, hearing, walking, and seeing clearly up close.

Description: The course is a one year program offered at Hillyard Technical Center to train students in the knowledge and fundamental skills needed to obtain their certification as a Certified Nursing Assistant. The program provides students with a solid foundation to move ahead in any healthcare field of his or her choice. The topics covered include: safety, infection control, legal and ethical practices, career exploration, communication and teamwork, medical terminology, body organization, and basic anatomy and physiology of each major body system, along with various common diseases and disorders associated with each system. Students will participate in classroom activities and accumulate the clinical hours necessary for their CNA exam.

***Health Service Assistant II – AM/PM**

Course ID: 9190H & 9195H **Credit:** 3 **Grade Level:** 12

Prerequisite: Successful Completion of Health Service Assistant I and pass CNA.

Description: The second year is designed to prepare the student to become a Missouri State Certified Nurse Aide. State required classroom and clinical hours are completed making the second year student eligible to take the state written and competency tests necessary to become certified. Study continues regarding medical careers and terminology with a more in-depth study of anatomy and physiology.

Precision Machine Technology I – AM/PM

Course ID: 9200 & 9205 **Credit:** 3 **Grade Level:** 11

Prerequisite: Ability to measure and read tools of measurement preferred.

Description: This course is designed for students who want to get an entry level position as a skilled machinist using industrial machinery; motor vehicle machinery; primary metals machinery; or millwright training. First year: Safety; trade terms; hand tools; how to use: lathe, milling machine, band saw; how to measure within 1/100,000th of an inch; manufacturing process; blueprint reading; machine tool; introduction to computers; materials of industry; industrial mathematics; machine tool.

Precision Machine Technology II – AM/PM

Course ID: 9210 & 9215 **Credit:** 3 **Grade Level:** 12

Prerequisite: Precision Machine Technology I

Description: The second year will include an introduction to CAD/CAM; how to use the computer numerically controlled milling machine (CNC) and lathe; craftsmanship; applied trigonometry; resume and job applications and MasterCam.

Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) I – AM/PM

Course ID: 9220 & 9225 **Credit:** 3 **Grade Level:** 11

Description: The first year HVACR course is for students who want to work on refrigeration, air conditioning or heating units and systems for: Cooling and Heating Contractors; Fuel Oil Dealers; School Systems; Manufacturing Plants. First year: Safety, Trade Terms, Tools, Measuring; Tubing and Connections; Soldering and Brazing; Soft Solder; Silver Solder; Oxyacetylene Soldering and Brazing; Basic Electricity; Fundamentals of Air Conditioning, Basic Refrigeration; Domestic Refrigeration; Electrical Controls; and Residential/Light Commercial Cooling and Heating.

Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) II – AM/PM

Course ID: 9230 & 9235 **Credit:** 3 **Grade Level:** 12

Prerequisite: HVACR I

Description: The second year HVACR course includes the following: Safety; Controls; Domestic Refrigeration; Commercial Refrigeration; Residential/Light Commercial Cooling; Heating; Fundamentals of Air Conditioning; Heat Pumps; and Various Heating Systems; EPA Certification Preview and Test.

Welding Technology I – AM/PM

Course ID: 9240 & 9245 **Credit:** 3 **Grade Level:** 11

Description: Students will learn trade terms; safety; reference books; charts and manuals of codes and standards. Blueprint reading, including welding symbols, beginning heat treating and metallurgy; welding power sources, consumables, applied industrial math. Oxyfuel Welding, Brazing and Cutting – both manual and automated; Introduction to Shielded Metal Arc Welding; Intermediate Shielded Metal Arc Welding; Metal forming processes including drilling, grinding and finishing, press brake, punch press, saws and shears.

Welding Technology II – AM/PM

Course ID: 9250 & 9255 **Credit:** 3 **Grade Level:** 12

Prerequisite: Welding Technology I

Description: Students will learn Advanced Shielded Metal Arc Welding; Gas Metal Arc Welding – including short circuit, globular, spray & pulsed MIG transfer; Flux Core Arc Welding – shielded & self-shielded; Metal Core Arc Welding; Gas Tungsten Arc Welding – including pulsed TIG on carbon steel, aluminum & stainless steel; Plasma Arc Cutting – manual and automated; Quality Control; Shop Projects; Directed Study; Resume & Applications. All welding testing is in accordance with American Welding Society D1.1 Welding Code current edition. Upon successful completion of class, student is eligible to take Welding Certification exam or test.

EMT Basic – AM/PM

Course ID: 9260 & 9265 **Credit:** 3 **Grade Level:** 12

Description: Lives often depend on the quick reactions and competent care of emergency medical professionals. People in Emergency Medical Services must respond quickly, often

making split-second decisions, which mean the difference between life and death. Students in this program will learn, through a combination of classroom and hands-on experiences, the care and transportation of the sick and injured essentials of lifesaving through emergency medical procedures. This class includes instruction for becoming an Emergency Medical Technician Basic, students will assess simulated patients involved in trauma and medical accidents, learn CPR, and how to operate during other medical emergencies. Successful graduates are eligible to take the National Registry of EMT's examination. Students must demonstrate proficiency, by written and practical skills and be 18 years of age at testing times.

***Computer Service Technology I – AM/PM**

Course ID: 9301 & 9306 **Credit:** 3 **Grade Level:** 11

Description: Diagnose, troubleshoot, and update PCs and printers; assemble and configure a microcomputer, design industry-standard computer systems, remove and install common field replaceable units, identify the major operating systems, their purpose, location, and available switches. This course prepares students for the Test Out PC Pro and the CompTIA A+ certifications.

***Computer Service Technology II – AM/PM**

Course ID: 9311 & 9316 **Credit:** 3 **Grade Level:** 12

Prerequisite: Computer Service Technology I

Description: Peer to peer, client server networks, LANs, MANs, WANs, networking standards and the OSI model, TCP/IP protocols, transmission basics and networking media, topologies and Ethernet standards, network hardware, switching and routing, wireless networking, troubleshooting network problems, network asset management, cell phone and tablet troubleshooting and repair, board level soldering. This course prepares students for the Test Out Network Pro and CompTIA A+ certifications.

Industrial Equipment Repair & Maintenance I – AM/PM

Course ID: 9351 & 9352 **Credit:** 3 **Grade Level:** 11

Description: IERM students will be cross-trained in welding, electronics, precision machining, and HVAC. Training in industrial maintenance is extremely crucial to any manufacturer's success because it ensures all factory equipment, whether new or old functions effectively and for maximum output. The position of IERM is a traditionally desired position in many industrial settings. Hillyard Technical Center has participated in the Northwest Missouri Regional Apprenticeship Program with tremendous success. These apprenticeships connect our students with meaningful work and career pathways that provide a livable income. Apprenticeship candidates are required to job shadow for 40 hours during their junior year. Industries are

always interested in students that can become IERM trained. The IERM students will be eligible for internships and early placement, in the fourth quarter of the school year.

Industrial Equipment Repair & Maintenance II – AM/PM
Course ID: **Credit:** 3 **Grade Level:** 12
Prerequisite: Industrial Equipment Repair & Maintenance I
Description: Continuation of Year 1. IERM students will be cross-trained in welding, electronics, precision machining, and HVAC. Training in industrial maintenance is extremely crucial to any manufacturer's success because it ensures all factory equipment, whether new or old functions effectively and for maximum output. The position of IERM is a traditionally desired position in many industrial settings. Hillyard Technical Center has participated in the Northwest Missouri Regional Apprenticeship Program with tremendous success. These apprenticeships connect our students with meaningful work and career pathways that provide a livable income. Apprenticeship candidates are required to job shadow for 40 hours during their junior year. Industries are always interested in students that can become IERM trained. The IERM students will be eligible for internships and early placement, in the fourth quarter of the school year.

***Career Pathways for the Teaching Profession I – AM/PM**
Course ID: 9695H & 9696H **Credit:** 3 **Grade Level:** 11 and 12
Description: In the Teaching Professions program students will work in established local classrooms in elementary, middle, and high schools, to help them gain the knowledge and skills necessary to be successful in their chosen field. This program provides students with the coursework and internship hours to follow a teaching career path. The program offers a community-focused approach to supporting future teachers through partnerships with local schools, districts, colleges, and professionals already in K-12 classrooms.

***Career Pathways for the Teaching Profession II – AM/PM**
Course ID: 9697H & 9698H **Credit:** 3 **Grade Level:** 12
Prerequisite: Successful completion of *Career Pathways for the Teaching Profession I and reapplication required
Description: In the Teaching Professions program students will work in established local classrooms in elementary, middle, and high schools, to help them gain the knowledge and skills necessary to be successful in their chosen field. This program provides students with the coursework and internship hours to follow a teaching career path. The program offers a

community-focused approach to supporting future teachers through partnerships with local schools, districts, colleges, and professionals already in K-12 classrooms.

Early Childhood Professions I – AM/PM

Course ID: 9616 & 9617 **Credit:** 3 **Grade Level:** 11and 12

Description: This Early Childhood Professions program prepares individuals to be the primary providers of home, family, residential or institutional based child care and education services. It includes instruction in child growth and development; nutrition; recreation. Planning and supervision of play and learning activities; child abuse and neglect prevention; parent-child relationship; and applicable legal and administrative requirements.

Early Childhood Professions II – AM/PM

Course ID: 9618 & 9619 **Credit:** 3 **Grade Level:** 12

Prerequisite: Successful completion of Early Childhood Professions 1 and reapplication required

Description: This Early Childhood Professions program prepares individuals to be the primary providers of home, family, residential or institutional based child care and education services. It includes instruction in child growth and development; nutrition; recreation. Planning and supervision of play and learning activities; child abuse and neglect prevention; parent-child relationship; and applicable legal and administrative requirements.

Skilled Trades Internship

Course ID: 9700/9701 **Credit:** 3 **Grade Level:** 12

Course ID: 9702/9703 **Credit:** 2 **Grade Level:** 12

Course ID: 9704/9705 **Credit:** 1 **Grade Level:** 12

Prerequisites: Senior; accepted into and in good standing with NWMO Regional Apprenticeship Program, has successfully completed one year of job shadowing at their partnering employer as well as sufficient RTI hours.

Description: The skilled trades internship is designed to deepen students' understanding of the manufacturing environment to supplement their traditional high school experience. It provides real-world, professional skills through a year-long immersive experience at partnering businesses in our community. This senior course provides students with an opportunity to apply technical skills in an industry based setting. It is necessary for the student to work an average of 20 supervised hours per week each semester. This course gives students a competitive edge as they acquire practical knowledge and skills useful in their chosen career field and/or post-secondary training. Current research indicates that high school students who develop a relationship with a business mentor in their area of interest are more likely to continue to

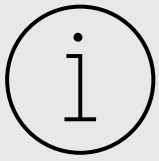
pursue that particular area as an adult, and more likely to return to work in the same geographic area. MSHSAA eligible.

High School Credit Granted
The student can be granted 1, 2 or 3 practical arts credits for one year of Skilled Trades Internship based on the hours of work per week as follows: the student is granted three (3) units of credit per year for employment of 20 or more hours per week (360+ hours EACH SEMESTER), the student is granted two (2) units of credit per year for employment of at least 14 hours per week (252+ hours EACH SEMESTER). All hours during the week including Saturday & Sunday are counted for credit.

Student Compensation
In addition to receiving training and school credit, the student is paid an amount comparable to other beginning employees in the occupation. The earn and learn model has proven effective for providing companies with the highly skilled workers they need, and at the same time providing valuable learning experiences for student apprentices.

Internship Eligibility
In order to qualify for Skilled Trades Internships, a student must be a 2nd year Apprenticeship student, and in good standing with their partnering employer after year 1. To remain eligible, the student must maintain a 2.0 GPA and 95% attendance rate, remain in good standing with their employer and avoid suspension or expulsion.

World Languages



Look for these symbols before the Name of the Course

***** indicates that it is an Honors course
AP indicates that it is an Advanced Placement course
DC indicates that it is a Dual Credit course

French I
Course ID: 1700 **Credit:** 1 **Grade Level:** 9-12
Description: This beginning study of French will teach students to talk about daily life and learn how the French language works. They will discover cultural similarities and differences within the French-speaking areas of the world.

French II

Course ID: 1720 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: Successful completion of French I (a grade of C or better is recommended)

Description: Students will continue study of basic vocabulary and structures and will be able to describe past events and plans for the future. The history, culture and traditions of French people will be explored.

***French III**

Course ID: 1740 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Successful completion of French I and II (a grade of C or better is recommended)

Description: Students will learn to express themselves in French with greater ease and better pronunciation. Emphasis will be placed on oral and written communication and more complex structures. When selecting an honors level course it is recommended that the student has earned a C or better in the course prerequisite.

***French IV**

Course ID: 1750 **Credit:** 1 **Grade Level:** 12

Prerequisite: Successful completion of French I, II and III (a grade of C or better is recommended)

Description: Students will expand their communication and reading skills, learning to express themselves effectively. They will become more familiar with contributions of the French speaking world. When selecting an honors level course it is recommended that the student has earned a C or better in the course prerequisite.

***AP French Language & Culture**

Course ID: 1755 **Credit:** 1 **Grade Level:** 12

Prerequisite: Successful completion of French III with at least a B letter grade for both semesters.

Description: AP French Language and Culture course is a college-level course intended for students who already have a good command of language concepts and have developed a reasonable proficiency in listening comprehension, speaking, reading and writing. This course emphasizes students' use of the language in real-life situations while providing opportunities to understand and reflect on the cultural practices, products and perspectives and make comparisons between and within languages and cultures. In order to promote a higher language proficiency, this class is conducted primarily in the target language and reviews current events through the use of authentic resources. Students work toward developing their

language proficiency to an advanced level in listening comprehension, speaking, reading and writing through building a more refined knowledge of the language structures and vocabulary. This course is designed to prepare students for the AP French Language and Culture examination. This course is designed to prepare students for the AP French Language and Culture examination. Extensive training in the components of the AP examination is an integral part of this course. A fee is required for the dual credit course option and the AP exam.

Latin I

Course ID: 1800 **Credit:** 1 **Grade Level:** 9-12

Description: Students will read Latin stories and study Roman customs. Students will develop the ability to understand spoken and written Latin.

Latin II

Course ID: 1820 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: Latin I (a grade of C or better is recommended)

Description: Students will read more advanced Latin stories and will study more complex aspects of ancient culture.

***Latin III**

Course ID: 1840 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Successful completion of Latin I, and II (a grade of C or better is recommended)

Description: Students will begin the transition to reading and understanding original Latin authors, will increase their knowledge of Roman history and will begin to appreciate literary qualities of Latin literature. When electing an honors level course it is recommended that the student has earned a C or better in the course prerequisite.

***Latin IV**

Course ID: 1850 **Credit:** 1 **Grade Level:** 12

Prerequisite: Successful completion of Latin I, II, and III (grade of C or better is recommended)

Description: Students will increase their understanding of original Latin authors. The student's vocabulary base will be broadened and an understanding of grammatical structures will be achieved. When selecting an honors level course it is recommended that the student has earned a C or better in the course prerequisite.

***AP Latin**

Course ID: 1852 **Credit:** 1 **Grade Level:** 12

Prerequisite: Successful completion of Latin III with at least a B letter grade for both semesters.

Description: AP Latin is a college-level course intended for students who already have a good command of language concepts and have developed a reasonable proficiency in reading comprehension and analysis. This course emphasizes students' use of language to read and analyze authentic Latin texts, while providing opportunities to understand and reflect on the cultural practices, products, and perspectives and make comparisons between and within languages and cultures. In order to promote the higher language proficiency required by the AP Latin examination, this class is concerned exclusively with authentic Roman sources, and the vast majority of class time is spent reading those sources in Latin. Students work toward developing their language proficiency to an advanced level in reading comprehension, translation, and grammatical, historical, and cultural analysis. This course is designed to prepare students for the AP Latin examination. Extensive training in the components of the AP examination is an integral part of this course. A fee is required for the dual credit course option and the AP exam.

Spanish I

Course ID: 1600 **Credit:** 1 **Grade Level:** 9-12

Description: This is a beginning course for those who have had no Spanish or one semester in middle school. Students will learn to talk about situations in their daily lives. They will learn basic vocabulary, present tense verbs and study many aspects of Hispanic culture.

Spanish II

Course ID: 1620 **Credit:** 1 **Grade Level:** 10-12

Prerequisite: Spanish I (a grade of C or better is recommended)

Description: Students will continue study of basic vocabulary and structures and will be able to describe past events and plans for the future. The history, culture and traditions of Hispanic people will be explored.

***Spanish III**

Course ID: 1640 **Credit:** 1 **Grade Level:** 11-12

Prerequisite: Successful completion of Spanish I, and II (a grade of C or better is recommended)

Description: Students will learn to express themselves in Spanish using a more complex structure. Emphasis will be placed on oral and written communication. Short articles and stories will be read in the target language. When selecting an honors level course it is recommended that the student has earned a C or better in the course prerequisite.

***Spanish IV**

Course ID: 1650 **Credit:** 1 **Grade Level:** 12

Prerequisite: Successful completion of Spanish I, II, and III (grade of C or better is recommended)

Description: Communicate in the target language through listening, speaking and writing skills. Students will do literature reading, advance dialogues and conversation and composition. When selecting an honors level course it is recommended that the student has earned a C or better in the course prerequisite.

***AP Spanish Language & Culture**

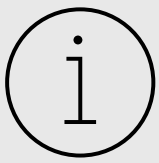
Course ID: 1665 **Credit:** 1 **Grade Level:** 12

Prerequisite: Successful completion on Spanish III with at least a B letter grade for both semesters.

Description: AP Spanish Language and Culture course is a college-level course intended for students who already have a good command of language concepts and have developed a reasonable proficiency in listening comprehension, speaking, reading and writing. This course emphasizes students' use of the language in real-life situations while providing opportunities to understand and reflect on the cultural practices, products and perspectives and make comparisons between and within languages and cultures. In order to promote higher language proficiency, this class is conducted primarily in the target language and reviews current events through the use of authentic resources. Students
work toward developing their language proficiency to an advanced level in listening comprehension, speaking, reading and writing through building a more refined knowledge of the language structures and vocabulary. This course is designed to prepare students for the AP Spanish Language and Culture examination. This course is designed to prepare students for the AP Spanish Language and Culture examination.

Extensive training in the components of the AP examination is an integral part of this course. A fee is required for the dual credit course option and the AP exam.

Specialized Courses & Programs



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***** indicates that it is an Honors course
AP indicates that it is an Advanced Placement course
DC indicates that it is a Dual Credit course

Academic Seminar

Course ID: 0650A **Credit:** 0.25 **Grade Level:** 9-12

Students will be assigned to an academic seminar that is linked to their 5th period course.

Description: This course is designed to support the development of essential skills for high school success and readiness for workforce expectations and the rigor of post-secondary education.

HiSET Prep

Course ID: 801MO **Credit:** 0 **Grade Level:** 12

Prerequisite: At least 17 years old; Semester 1 Senior with less than 17 credits; Semester 2 Senior with less than 21 credits.

Description: Direct instruction and preparation for the five academic sections on the High School Equivalency Test (HiSET). Students work towards building the skills needed to pass each of the following sections: reading, writing, math, science, and social studies. Students are scheduled to officially test at Hillyard Technical Center once placement tests and/or practice work indicates a "well-prepared" score.

College 101

Course ID: 5090 **Credit:** 0.5 **Grade Level:** 12

Description: Students will explore career possibilities, make educationally-focused career decisions, and master skills, behaviors and attitudes necessary to be successful in life and work. The student will also complete a personal portfolio.

Newcomer I

Course ID: 1900 **Credit:** 0.5 **Grade Level:** 9-12

Description: Newcomer ELD Course is for beginning English Language Learners (ELLs). These students have been in the U.S. for 12 months or less. This is an elective class so students should still be placed in an ELD ELA class as well. The typical newcomer student has a WIDA Screener Score of 1.0 to a 1.9 or a Newcomer Kit score below 4.

Newcomer II

Course ID: 1910 **Credit:** 0.5 **Grade Level:** 9-12

Description: Newcomer ELD Course is for beginning English Language Learners (ELLs). These students have been in the U.S. for 12 months or less. This is an elective class so students should still be placed in an ELD ELA class as well. The typical newcomer student has a WIDA Screener Score of 1.0 to a 1.9 or a Newcomer Kit score below 4.