

Mustang High School

Course Guide 2024-2025



“Empowering today to achieve a better tomorrow”

Table of Contents

General Enrollment Information.....	2
English Language Arts.....	6
Math.....	9
Science.....	12
Social Studies.....	16
STEM and Robotics.....	20
Aviation.....	22
Computer Technology.....	24
World Languages.....	26
Agricultural Education.....	28
DECA, Business and Marketing.....	30
FACS.....	31
Fine Arts.....	33
Leadership and JROTC.....	40
Media.....	43
Industrial Arts.....	44
PE, Health and Team Sports.....	45
Internships.....	47
Virtual.....	48

Principals

Kathy Knowles – Head Principal
Keli Wilkie – Student Assistance Principal
Craig Chestnut – Seniors
Renee Boatman – 9th-11th (A-G)
Chad Harper – 9th-11th (A-G)
Kaitlin Hensley – 9th-11th (H-O)
Jared Homer – 9th-11th (H-O)
Cody Little – 9th-11th (H-O)
Danny Brown – 9th-11th (P-Z)
Katy Korstjens – 9th-11th (P-Z)

Counselors

Danna Farley (A-Bui)
Michelle Pursell (Buj-Dor)
Rachel Hacker (Dos-G)
Ralph Chappell (H-J)
Ashley Boykin (K-Ma)
Brianna Qualls (Mc-O)
Stephanie Fugate (P-Ros)
Staci Hunt (Rot-Tho)
Jason Limke (Thr-Z)
Alecia Day - College and Career

General Enrollment Information

Selecting Classes

Select your courses carefully after serious consideration to your course background, abilities and post-graduate plans. The course schedule you select should meet graduation requirements and challenge you academically.

Grade Weighting

The following grade weight policy is:

- Advanced Placement classes will be weighted on a 5-point scale in computing grade point averages
- Accelerated classes will be weighted on a 4.5-point scale
- Courses termed “honors” will be noted on the high school transcript as such, but will receive no additional grade weight.

Concurrent Enrollment

Concurrent enrollment allows outstanding junior and senior high school students to take credit-earning college courses. If you are a junior or senior in high school, you may enroll in college courses if you meet the admission requirements and other conditions. High school seniors who meet the eligibility requirements are entitled to receive tuition waivers for up to 18 credit hours. For more information about concurrent enrollment, contact your high school counselor.

CPR

All students shall be required to receive instruction in cardiopulmonary resuscitation (CPR) and the awareness of the purpose of an automated external defibrillator at least once between ninth and high school graduation. A school administrator may waive this requirement for an eligible student who has a disability. A student may also be excused from this requirement if a parent or guardian of the student objects in writing.

Personal Financial Literacy

All students shall fulfill the requirements for a Personal Financial Literacy Passport in order to graduate from an accredited public high school with a standard diploma.

ACT/SAT

Registration packets and information are available in the high school counseling office. Please note that both ACT and the College Board prefer online registration. Mustang High Schools offers ACT workshops at various times during the year. Contact the counseling office or school website for details.

On-line Registration & Information:

ACT – www.actstudent.org

SAT – www.collegeboard.org

Scholarship Information

Scholarship opportunities are listed on the counseling webpage of the Mustang High School Website. You can find the counseling webpage by going to <http://www.mustangps.org/counseling>. It is the responsibility of the student and parent to find and apply for scholarships, but to make it easier we have provided multiple links to individual scholarships as well as links to other sites to assist in the search for scholarships.

Oklahoma's Promise

The Oklahoma Legislature through the Higher Learning Access Program (OHLAP) has set up a fund that will pay for your college tuition if your parents' total yearly income does not exceed sixty thousand dollars. You may enroll during 8th, 9th, 10th grade, or 11th; however, all applications must be completed and received no later than June 30 of the student's junior year. Parents and students may apply online at <http://www.okhighered.org/okpromise/>.

NCAA Clearinghouse

Students planning on playing or participating in college athletics should enroll in the clearinghouse by the end of their junior year. Students must take a prescribed set of courses, take the ACT or SAT and maintain an approved GPA. Go to www.ncaa.org for further information or <http://eligibilitycenter.org> to register. Please note: It is the responsibility of the student/parent to notify their counselor if they have registered with the NCAA. Counselors will assist students tracking the necessary coursework for eligibility; however, you, the student, are

ultimately responsible for completing all of the requirements of the program.

Schedule Changes

Determining academic schedules should be for the growth of the student. Therefore, changes for such reasons as to have the student moved to a class generally below the intellectual capability of the student, a student's failure due to incomplete assignments, "to be with a friend" or "that the teacher is too hard" will not be considered a serious enough reason to cause a schedule change.

Schedule changes are permitted through the first five (5) days of the semester with the exception of AP courses. Schedule changes will be considered for legitimate reasons such as a schedule conflict, meeting graduation requirements or inappropriate placement as determined and recommended by a teacher or counselor with administrative approval.

Any change after the first five (5) days of a semester requires administrative approval. See procedures for the appeal process for a change of schedule after the deadline.

Students will be notified at the beginning of each semester when Schedule Change Forms are available in the counseling office. Please note that all schedule change forms require a parent/guardian signature.

Valid Reason for Schedule Changes:

- schedule is incomplete
- duplicate course has been scheduled
- course is scheduled for which the prerequisite course has not been completed
- schedule requires altering due to student's acceptance into a special program- (alternative school, concurrent, career tech, etc.). Students must bring a copy of documentation verifying enrollment into the special program before changes are made.
- course is scheduled with a teacher with whom the student has previously failed
- Student elects to enroll in a more challenging course (no reversal at a later date)

Appeal Process for a Change of Teacher:

A conference with parent, student, teacher, and an administrator is required. During this conference, the problem/ concern is discussed and a plan should be made by which the student and teacher can solve the problem/concern through mutual effort. The plan must be in effect for a minimum of six weeks.

If the parent feels the above plan has not been successful, he or she may write a letter to the principal, describing efforts the student has made to meet the specifications of the plan and why they have not solved the problem.

The principal will determine, based on the letter from the parent and an interview with the student and the teacher, as to whether a problem exists and a change is in the best interest of the student.

Graduation Requirements

All classes taken to meet graduation requirements must be taken in grades 9-12. According to the law, your student will automatically be enrolled in the college preparatory/work ready curriculum, and you do not need to do anything to enroll your student in this curriculum. However, if you choose the core curriculum, you must complete the "College Preparatory/Work Ready Parental Curriculum Choice Letter" and turn it in to your student's school counselor. Please contact your counselor if you have questions or need additional information.

Certificate of Distinction

A Certificate of Distinction will be awarded to students who have met or exceeded the following criteria by the end of their senior year in high school with at least a 3.25 unweighted grade point average:

- Earned four (4) units in English, Mathematics (excluding Math of Finance), Social Studies, and Science;
- Earned two (2) additional units in the area of technology, the humanities, or the arts;
- Earned two (2) units in a foreign language

Academic Achievement Award

Mustang High School will issue an Academic Award to all graduating seniors who fulfill the following scholastic requirements:

- A minimum of 3.60 weighted GPA
- A minimum score of 25 on the ACT Test or a minimum score of 1050 on the SAT
- A minimum of 26 credits earned in the following courses of study:
 - English 4 Units/Credits
 - Science 3 Units/Credits beginning with Biology
 - Math 3 Units/Credits, beginning with Algebra I Social Studies 3 Units/Credits
 - Foreign Language 2 Units in same language or Ap proved Computer Technology
 - Electives 11 Units

Oklahoma Academic Scholars

Graduating seniors who meet all of the requirements listed below shall be recognized by the local school district and the State Board of Education as an Oklahoma Academic Scholar in compliance with State law which became effective in 1986.

- Minimum unweighted GPA of 3.7, or top unweighted 10% of class
- 27 on ACT or 1220 on SAT, taken on a national test date before the date of graduation
- Complete (or will complete) the curricular requirements for a standard diploma.

National Honor Society

Students in the sophomore, junior and senior classes who have attained a cumulative grade point average of 3.8 or higher on a 4.0 scale are academically eligible to apply for membership in the Mustang High School Chapter of the National Honor Society. (Freshman are not eligible) Students who are accepted for membership by the faculty advisory committee must comply with the guidelines set forth in the National Honor Society Constitution and High School Chapter Bylaws. See student handbook for more information regarding NHS membership.

Valedictorian/Salutatorian

All students with a GPA of 4.00, weighted or unweighted (no rounding of points) and above, with no grade lower than a B, will be valedictorians and will have a class rank of number 1. All students with a 3.970 (no rounding of points) through 3.999, with no grade lower than a B, will be salutatorians. This is computed from a seven (7) semester transcript.

Students coming from out-of-state/out-of-country institutions with transfer grades that can only be transcribed as "P" may be eligible for valedictorian/salutatorian consideration only with administrative approval.

Students with weighted GPAs, which fall within the designated range for valedictorian/salutatorian, will be removed from consideration for the following:

- one (1) or more grades lower than a "B"
- one (1) or more grades of "NC"
- one (1) or more semesters of grades of "P," which may be transcribed from out-of-state/out-of-country transfer grades, unless administration approval is granted
- fewer than seven (7) semesters of grades, unless on a six (6) semester early graduation contract

College Prep/ Work Ready Graduation Requirements

English (4)

- | | |
|---|--|
| (sem 1) _____
(sem 2) _____
_____ English I/ English I Accelerated
_____ English II/ English II Accelerated
_____ English III/ AP Language/Composition
_____ English IV/ AP Literature/Composition | |
|---|--|

Mathematics (3)

completed during grades 9-12

- | | |
|---|--|
| (sem 1) _____
(sem 2) _____
_____ Algebra I/ Algebra I Accelerated
_____ Geometry/ Geometry Accelerated
_____ Intermediate Algebra*
_____ Algebra II/ Algebra II Accelerated
_____ Algebra III
_____ AP Statistics
_____ Pre-Calculus Accelerated
_____ AP Calculus AB
_____ AP Calculus BC | |
|---|--|

Social Studies (3)

- | | |
|--|--|
| (sem 1) _____
(sem 2) _____
_____ Okla History/ Okla History Accelerated
_____ World History/ AP World History
_____ U.S History/ AP U.S. History
_____ U.S. Government
_____ AP U.S. Government | |
|--|--|

Lab Sciences (3)

*Biology I, one physical lab science,
and one additional lab science*

- | | |
|--|--|
| (sem 1) _____
(sem 2) _____
_____ Biology I/ Biology I Accelerated | |
|--|--|

Required Physical Science

- | | |
|---|--|
| (sem 1) _____
(sem 2) _____
_____ Physical Science
_____ Chemistry/ Chemistry Acc
_____ Physics Acc | |
|---|--|

Life Sciences

- | | |
|--|--|
| (sem 1) _____
(sem 2) _____
_____ Botany/ Zoology
_____ AP Biology
_____ Enviro & Ntrl Resrces
_____ Anatomy/Physiology
_____ AP Environmental | |
|--|--|

Additional Physical Lab Sciences

- | | |
|--|--|
| (sem 1) _____
(sem 2) _____
_____ Chemistry II
_____ AP Chemistry
_____ Earth and Space
_____ Forensics
_____ AP Physics | |
|--|--|

Technology OR World Language[^]

- | | |
|--|---|
| (sem 1) _____
(sem 2) _____
_____ Computer Applications
_____ Adv Computer Apps
_____ Google Applications
_____ Game Design/Dev
_____ Adv. Game Design/Dev
_____ Video Fundamentals
_____ Digital Video Editing
_____ Graphic Design
_____ Fund of Technology
_____ Fund of Web Design
_____ Cybersecurity | (sem 1) _____
(sem 2) _____
_____ Spanish I
_____ French I
_____ Spanish II/Spanish II Acc
_____ French II
_____ Spanish III Accelerated
_____ French III Accelerated
_____ AP Spanish
_____ AP French |
|--|---|

Additional Requirements

- | | |
|--|--|
| _____ Fine Arts or one semester of Humanities
_____ One additional core course credit from above
_____ Personal Financial Literacy (must pass 14 competencies)
_____ Freshman Success | _____ ACT w/writing during 11th grade
_____ CCRA History test
_____ CCRA Science test
_____ CPR |
|--|--|

Minimum credits required for graduation: 26 credits
(one (1) credit = two (2) semesters)

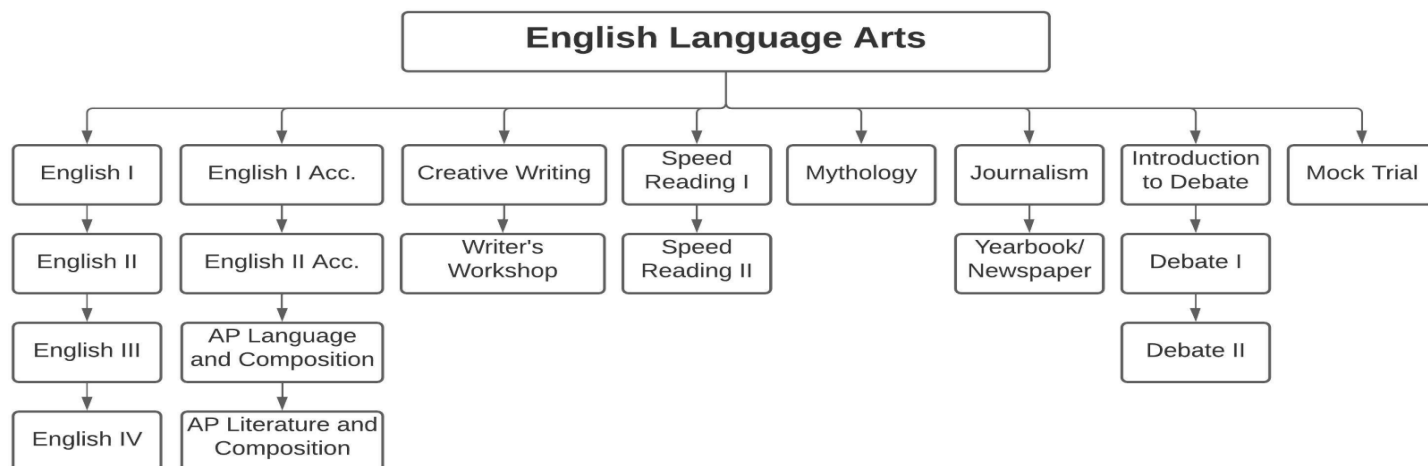
**class does not count towards College Prep requirements but does count for core curriculum-may be a required bridge class*

[^]Core Curriculum requires one year of technology or world language

Beginning with the class of 2024, all students are required to complete an ICAP (Individual Career Academic Plan)

Beginning with the class of 2025, all students must take a citizenship test as a requirement to graduate

According to state law, students will automatically be enrolled in the college preparatory/work ready curriculum. However, if you choose the core curriculum, you must complete the "College Preparatory/Work Ready Parental Curriculum Choice Letter" and turn it into your counselor. Please contact your counselor if you have questions or need additional information.



English I: This course fulfills the 9th grade English requirement. English I is a yearlong introductory course studying the writing process, different literary genres, including short stories, novels, poetry, drama, and nonfiction, grammar, and critical thinking skills. Book reports, projects, and essays are required.

Course No. 0101

Grade Level: 9

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

English I Accelerated: This course fulfills the 9th grade English requirement. English I Accelerated is an English class designed to challenge the highly-motivated student who has demonstrated advanced skills in critical reading and composition. This class concentrates on academic essay skills and literature to prepare for the AP exam. Students must meet established criteria to enroll. A summer reading assignment may be required.

Course No. 0110

Grade Level: 9

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

English II: This course fulfills the Oklahoma State 10th grade English requirement. Major emphasis is placed on grammar, essay writing, and the study of literature.

Course No. 0102

Grade Level: 10

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

English II Accelerated: This course fulfills the 10th grade English requirement. English II Accelerated is the preparatory course for both AP English III and IV. The focus is on composition, grammar, literature, and rhetoric. Students are expected to complete extensive, independent reading and grammar assignments outside of class.

Course No. 0119

Grade Level: 10

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

English III: This course fulfills the 11th grade English requirement. Major emphasis is placed on continued essay writing, ACT preparation, research skills and the study of American authors and literature.

Course No. 0103

Grade Level: 11

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

AP English Language & Composition: This course is equivalent to an introductory, college-level composition course. Students will read and analyze nonfiction prose selections, deepening their awareness of rhetoric and how language works. Students will develop their ability to work with language and text with a greater awareness of

purpose and strategy, while strengthening their own composition abilities. Summer reading is required.

Course No. 0113

Grade Level: 11

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

English IV: This course fulfills the 12th grade English requirement. Major emphasis is placed on advanced essay writing, continued use of research skills and the study of English literature.

Course No. 0104

Grade Level: 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

AP English Literature & Composition: This course, designed to comply with the curricular requirements described in the AP English Literature & Composition Course Description, engages students with literature through close reading, critical analysis, and writing. This course is taught at the rigor of a college class and prepares students for the AP Literature and Composition Examination. Summer reading is required.

Course No. 0114

Grade Level: 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

Creative Writing: This course is designed for students who enjoy writing and who wish to improve their talents. Coursework includes personal narrative writing in conjunction with specific techniques for improving writing style. Short story and poetry writing will also be emphasized.

Course No. 0159

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: NCAA

Writer's Workshop: Writer's Workshop builds on the skills students learn in Creative Writing. The

workshop will dive deeply into more intensive writing formats and subjects. Students will also look at strengthening writing by editing text. Students should be prepared to write long-form stories and delve into the editing process.

Course No. 0126

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: Creative Writing

Program Eligibility: None

Introduction to Debate: This is an introductory course which covers analysis, research techniques, logical reasoning, critical thinking, delivery, current National Speech & Debate Association topics, current event issues, and extemporaneous speaking. Students will work on Lincoln-Douglas debate topics throughout the semester, as well as researching current foreign and domestic topics. This class is ultimately for students that want to explore debate in a non-competitive environment, but may choose to participate in OSSAA competition with instructor approval. Participation in multiple in-class debates are mandatory.

Course No. 3096

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: None

Debate I: This is an introductory course which covers analysis, research techniques, logical reasoning, delivery, current national debate topics, current event issues, and extemporaneous speaking. Students will work on four Lincoln Douglas debate topics throughout the year as well as researching current foreign and domestic topics. Attendance of one OSSAA Speech Tournaments and participation in class debates are mandatory. Course fee is \$25 for tournament entry fees.

Course No. 0131

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: NCAA

Debate II: This is an advanced course which covers analysis, research techniques, logical

reasoning, delivery, current national debate topics, current event issues, extemporaneous speaking, and team debate. Students will work on Lincoln Douglas debate, Cross-Examination debate, Public Forum debate, as well as researching current foreign and domestic topics. Competing in OSSAA Speech Tournament and participation in class debates are mandatory. Course fee is \$25 for tournament entry fees.

Course No. 0132

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Debate I and instructor approval

Program Eligibility:

Mock Trial: Students will develop public speaking skills, encourage deductive and inductive reasoning, sharpens reading comprehension, stimulates interest in governmental studies and increases appreciation for our judicial system as a means of enforcing society's laws.

Course No. 0285

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Mythology: Mythology teaches history by examining ancient times and their effect on the modern world. It may also increase student's appreciation for literature and art by understanding the many mythological allusions. This course will broaden the knowledge base of students who are interested in careers in the arts, communication and writing.

Course No. 0509

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: None

Journalism: Introduction to Journalistic Writing and Design: Today's journalists report on the ever changing world around them and help bring attention to world and local issues. Journalism I develops skills in interviewing, news writing, feature writing, sports writing, editing, typography, basic layout and design, history and the ethics of journalism.

Course No. 0115

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: NCAA

Yearbook: This course is offered to students who qualify to be on the yearbook staff. Students in this class will develop, create, and produce a quality yearbook. Students may take the yearbook class more than one year and will receive credit. Student and parent will sign a contract for this class. Enrollment is subject to instructor approval.

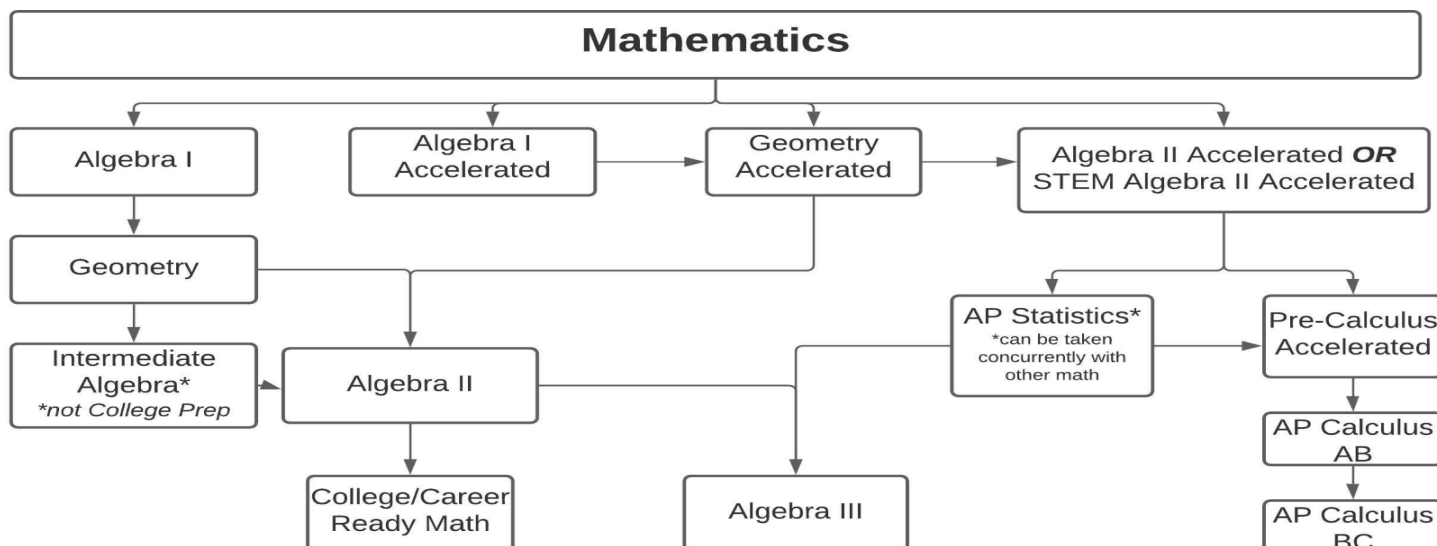
Course No. 0118

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Journalism I and Instructor Approval

Program Eligibility: No



Algebra I: Algebra I is required for graduation from high school. It is the beginning of all high school mathematics classes and a prerequisite for Geometry, the next course in the high school sequence. Topics included in Algebra I are properties of numbers, equations, graphing, and problem solving using the algebraic concepts of the course. Scientific calculators are used regularly.

Course No. 0205

Grade Level: 9

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

Algebra I Accelerated: Students will review and extend the understanding of numbers and operations to include square roots and cube roots. Students will represent and solve problems using linear equations, absolute value equations, and systems of equations. Students will represent and solve problems using linear inequalities, compound inequalities and systems of linear inequalities. Students will generate equivalent algebraic expressions and use algebraic properties to evaluate expressions and arithmetic and geometric sequences. Students will analyze mathematical change involving linear equations in mathematical problems. Students will understand functions as descriptions of covariation in mathematical problems. Students will distinguish between relations and functions. Students will recognize functions and understand that families are

characterized by their rate of change. Students will display, describe, and compare data. Scientific calculators are used regularly.

Course No. 0253

Grade Level: 9

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

Geometry: Geometry is required for graduation from high school. This class is intended for students who are preparing to take Algebra II. This course is a study of transformational geometry as it relates to congruent and similar polygons as well as a study of points, lines, planes, geometric figures and their properties. This course develops a student's ability to reason logically and justify this logical thinking by geometric properties. This course includes formal proofs. The material covered also provides the student with a background in geometric properties used in higher mathematics courses. Scientific calculators are used regularly (TI 30XS Multiview recommended).

Course No. 0206

Grade Level: 9, 10

Length of Course: Year

Prerequisite: Algebra I

Program Eligibility: Oklahoma's Promise, NCAA

Geometry Accelerated: Geometry is required for graduation from high school. This course is intended for students who are preparing to take Algebra II Accelerated. This course is a study of

transformational geometry as it relates to congruent and similar polygons as well as a study of points, lines, planes, geometric figures and their properties. This course develops a student's ability to reason logically and justify this logical thinking by geometric properties. This course includes formal proofs. The material covered also provides the student with a background in geometric properties used in higher mathematics courses. Scientific calculators are used regularly (TI 30XS Multiview recommended).

Course No. 0209

Grade level: 9, 10

Length of Course: Year

Prerequisite: Algebra I

Program Eligibility: Oklahoma's Promise, NCAA

Intermediate Algebra: This course is intended for students as a bridge course between Geometry and Algebra II. Course emphasis will be strengthening skills needed to be successful in Algebra II or College Algebra including: solving linear & quadratic equations and inequalities, factoring, rationals, linear functions. Seniors who take Intermediate Algebra may need to take a math remediation course in college based on collegiate math placement scores. This course is not a college-prep class.

Course No. 0242

Grade level: 11, 12

Length of Course: Year

Prerequisite: Alg I and Geom

Program Eligibility: None

Algebra II: This course is intended for students who plan to attend college following graduation and is the minimum upper level mathematics course required for college admission. Topics in Algebra II build on those from Algebra I and Geometry and include the additional topics of logarithms, rational equations, and complex numbers. Scientific calculators are used daily and graphing calculators are recommended. You may not use the TI-Nspire CAS or the TI-89 in this class.

Course No. 0207

Grade level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: Alg I and Geom

Program Eligibility: Oklahoma's Promise, NCAA

Algebra II Accelerated: This course is intended for students who plan to continue into upper level math in high school or college. This course will incorporate the Algebra II curriculum, plus a study of the basic trigonometric functions based on the unit circle and conic sections. A graphing calculator is strongly recommended. You may not use the TI-Inspire CAS or the TI-89 in this class.

Course No. 0210

Grade level: 9, 10, 11

Length of Course: Year

Prerequisite: Alg I and Geom.

Program Eligibility: Oklahoma's Promise, NCAA

STEM Algebra II Accelerated: This is a single instructional period class that combines the curriculum and objectives of Algebra II Acc. and Physics Acc. This course allows students to learn two of the prerequisites for higher level math and science classes at once, opening future opportunities. Students who successfully complete STEM will receive a separate grade and credit for both Algebra II Acc and Physics Acc, including weighted accelerated GPA for both subjects. Students will be dually enrolled in STEM Physics Accelerated.

Course No. 0273

Grade level: 9, 10, 11

Length of Course: Year

Prerequisite: Alg I and Geom

Program Eligibility: Oklahoma's Promise

AP Statistics: AP Statistics gives students a basic understanding of how data and statistics affect their lives. Students learn experimental design, how to use graphs and statistics to describe a data set, modeling data sets with functions and probability, and inferential statistics. Students in AP Stat learn through fun lab experiments and the use of technology. This is a college level course taught in accordance with AP guidelines to prepare students for the AP Statistics exam.

Course No. 0232

Grade level: 10, 11, 12

Length of Course: Year

Prerequisite: Algebra II

Program Eligibility: Oklahoma's Promise, NCAA

Algebra III: This class is intended for juniors and seniors wanting to improve their ACT score or needing a bridge course between Algebra II and other upper level mathematics courses. The Algebra III course covers the content of College Algebra, which includes functions and their graphs, quadratics and higher degree polynomials, equations and systems of equations, exponential functions and logarithms. A unit covering introductory trigonometric concepts will be included. A scientific calculator is used daily in this course and a graphing calculator is highly recommended.

Course No. 0229

Grade Level: 11, 12

Length of course: Year

Prerequisite: Algebra II

Program Eligibility: Oklahoma's Promise, NCAA

Pre-Calculus Accelerated: This course is intended for students who plan to take AP Calculus AB, AP Calculus BC, or College Calculus. The course is very rigorous and is paced as a college level course would be paced. Pre-Calculus incorporates the Algebra III and Trigonometry curricula, plus an extended study of inverse functions, factoring higher order polynomial equations, and special topics used specifically in Calculus. The last unit will be spent covering the foundations of entry-level Calculus. A scientific calculator is used daily in this course and a graphing calculator is strongly recommended. You may not use the TI-Nspire CAS or the TI-89 in this class.

Course No. 0438

Grade Level: 10, 11, 12

Length: Year

Prerequisite: Algebra II Acc

Program Eligibility: Oklahoma's Promise, NCAA

AP Calculus AB: This course is intended for students who are planning to major in fields of mathematics or science including engineering, medicine, physics, and other related and interrelated fields of study. Calculus is the study of motion and change. It uses all of the mathematical knowledge that students have accumulated during their high school education. A thorough understanding of Trigonometry is essential for students hoping to be successful in this course.

Students taking this course are expected to take the AP Calculus AB exam in the spring and may receive credit in the first course of college Calculus in most colleges and universities. A graphing calculator is College Board required for AP Calculus AB. TI-84 or TI-89 or comparable is recommended.

Course No. 0224

Grade Level: 11, 12

Length of Course: Year

Prerequisite Precalculus Acc

Program Eligibility: Oklahoma's Promise, NCAA

AP Calculus BC: This course is intended for students who are planning to major in fields of mathematics or science including engineering, medicine, physics, and other related and interrelated fields of study. AP Calculus BC is a fast-paced rigorous course that covers two college semesters of Calculus in one school year. It covers all of AP Calculus AB plus additional topics in the second course of college Calculus. Students taking this course are expected to take the AP Calculus BC exam in the spring and may receive credit in the first and/or second course of college Calculus in most colleges and universities. The AP Calculus BC exam has an AP Calculus AB subscore, for qualifying students. A graphing calculator is College Board required for AP Calculus BC. TI-84 or TI-89 or comparable is recommended.

Course No. 0260

Grade Level: 11, 12

Length: Year

Prerequisite: AP Calculus AB

Program Eligibility: Oklahoma's Promise, NCAA

Sports Statistics and Probability: This course is designed to introduce students to the world of sports statistics. Students will learn how to use statistical methods to analyze and interpret data related to sports. Topics covered in this course include probability, descriptive statistics, inferential statistics, correlation, regression, and hypothesis testing. By the end of the course, students will have a solid understanding of how statistics can be used to gain insights into the world of sports. Students in this class will have the opportunity to do projects over Mustang Bronco sports events throughout the year as well as open

ended assignments/projects about their favorite sports teams.

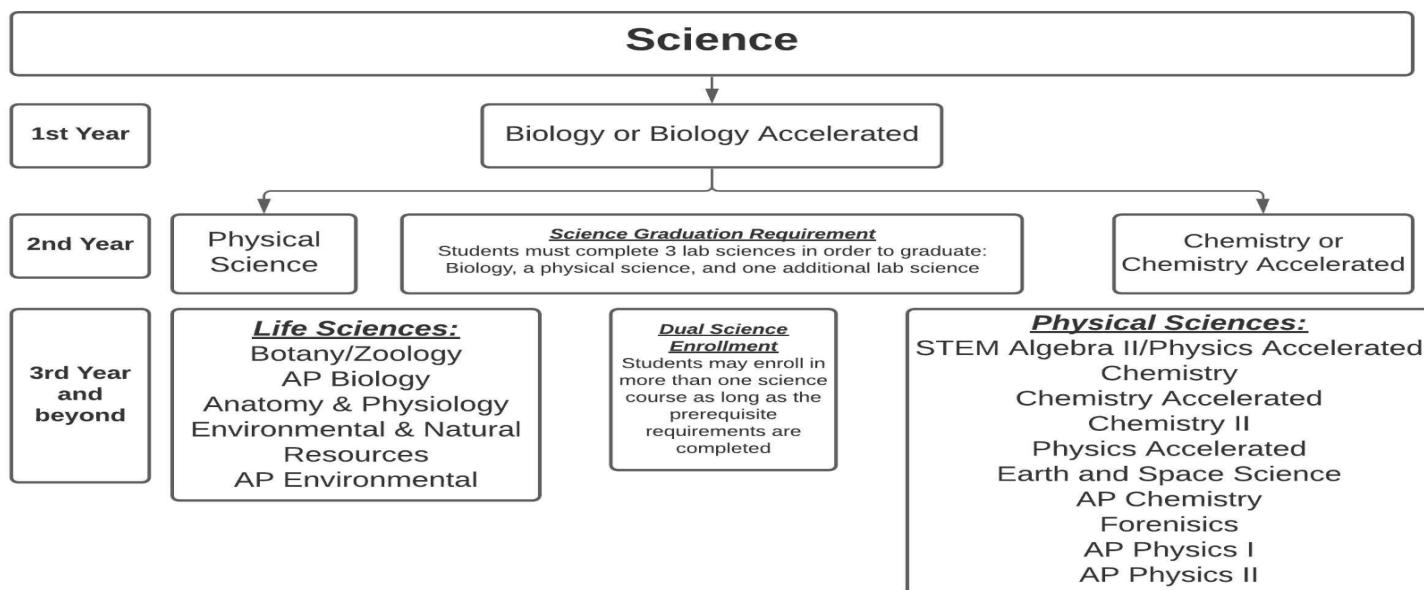
Course No. 1045

Grade Level: 11, 12

Length: Year

Prerequisite: Alg

Program Eligibility: None



Biology: This is an introductory course that deals with the study of life and the living things around you. Topics include Energy and Matter, Ecology, Natural Selection, Molecular Biology, and Genetics. Labs are required.

Course No. 0410

Grade Level: 9

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

Biology Accelerated: This course is designed as a prerequisite class for Chemistry Accelerated and AP Biology. Major concepts in life sciences will be presented, such as Energy and Matter, Ecology, Natural Selection, Molecular Biology, and Genetics. Lab technique skills, analysis of information, and problem-solving abilities will be an integral part of the course. Advanced students do additional projects and research not expected in general biology. This course is designed for preparing the student for college level work whether taken in high school as an AP class or later at a college level or university. Summer assignments may be required. Due to increased

content and rigor this course has an additional weight of .5 on a 4 point scale.

Course No. 5008

Grade Level: 9

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

Physical Science: Physical Science is a laboratory science course that explains relationships between matter and energy. Students will investigate Physical Science concepts through extensive lab work, student-centered activities, real life applications, utilizing the scientific method, and other hands-on learning. The student will gain valuable knowledge and skills needed to be successful in future Chemistry and Physics courses.

Course No. 0406

Grade Level: 10

Length of Course: Year

Prerequisite: Biology

Program Eligibility: Oklahoma's Promise, NCAA

Chemistry I: This course is a mathematics based physical science which is college preparatory in nature. Lab work will accompany studied topics. Course includes a study of measurement, atomic structure, periodic law, chemical bonding, equations, mass relationships and gas laws. It is recommended students should have earned a “C” or better in Algebra.

Course No. 0420

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Biology

Program Eligibility: Oklahoma’s Promise, NCAA

Chemistry Accelerated: Designed to provide students with the prerequisite skills and knowledge base necessary to be successful in the Advanced Placement Chemistry course or a General Chemistry course in college. Will also provide fundamental knowledge of matter and change; the basis of other elective science courses, which may be taken in high school. It is recommended students should have earned a “C” or better in Algebra. Due to increased content and rigor this course has an additional weight of .5 on a 4 point scale.

Course No. 0461

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Biology

Program Eligibility: Oklahoma’s Promise, NCAA

Zoology: This science course concentrates on the study of animals and various animal groups. This class utilizes lectures, laboratory activities, dissections, group presentations, and field trips to emphasize the major scientific concepts. Key skills and objectives include Identifying specific anatomical structures and physiologic processes in animals, recognizing the diversity in animal phyla, exploring ecological and evolutionary relationships between phyla, and understanding the basis for animal classification.

Course No. 0443

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Biology

Program Eligibility: Oklahoma’s Promise, NCAA

Anatomy & Physiology: This course is an in-depth and intense study of the human body designed to equip the student to be a knowledgeable consumer of the medical professions. Each unit covers structure, function, and associated diseases, causes and cures relating to each system. Lab and dissection are required.

Course No. 0444

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Biology

Program Eligibility: Oklahoma’s Promise, NCAA

Forensic Science: This course is a laboratory introduction to the concepts of forensic science. This course will explore crime scene investigation, types of evidence, analysis of fingerprints, hair, fibers, soil, DNA, blood, toxicology, and death investigations. As well as, historical development of the field and further exploration into forensic science careers.

Course No. 0490

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Biology

Program Eligibility: Oklahoma’s Promise, NCAA

Earth & Space Science: This course is a laboratory introduction to concepts in Astronomy, Geology, and Meteorology. Moving from the interior of the Earth to the farthest reaches of the universe, earth & space science will cover the processes shared by all 3 disciplines and specifics like rocks and minerals, weather forecasting, and stellar properties. Focus is placed on how scientific methods can be used to investigate complex interactive processes, developing skills for observation and analysis in the laboratory.

Course No. 3064

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Biology

Program Eligibility: Oklahoma’s Promise, NCAA

Environmental Science and Natural

Resources: The curriculum emphasizes the principles and process involved in conserving and/or improving natural resources such as air, water, land, wildlife habitat, forestry, and energy

for economic and recreational purposes. Competencies also include the establishment, management and operation of land for recreational purposes.

Course No. 0627

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Biology

Program Eligibility: Oklahoma's Promise, NCAA

Chemistry II: This course is a continuation of Chemistry I on an advanced level. Laboratory work will accompany studied topics. Course includes: solutions, ionization, acids, bases and redox reactions.

Course No. 0421

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Chemistry I and Algebra II (or concurrent enrollment in Algebra II)

Program Eligibility: Oklahoma's Promise, NCAA

Physics: Designed as an introductory physics course which will focus primarily on the topics covered in a first and second semester college physics course (Motion, velocity, acceleration, forces, work, energy, electricity, sound/light and magnetism). Physics is a math based science course that requires students to have either passed Algebra II already, or be concurrently enrolled in Algebra II. This course will require students to solve problems based on real world scenarios and incorporate math and graphing skills on a regular basis. Students taking this course will be given the opportunity to explore the concepts of physics by doing lab based activities throughout the year. Due to increased content and rigor this course has an additional weight of .5 on a 4 point scale.

Course No. 0440

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Algebra II or concurrent enrollment in Algebra II; Chemistry preferred

Program Eligibility: Oklahoma's Promise, NCAA

STEM Physics Accelerated: This is a single instructional period class that combines the curriculum and objectives of Algebra II and Physics. This course allows students to learn two

of the prerequisites for higher level math and science classes at once, opening future opportunities. Students who successfully complete STEM Algebra II & Physics Accelerated course will receive a separate grade and credit for both Algebra II and Physics. Due to increased content and rigor this course has an additional weight of .5 on a 4 point scale.

Course No. 0273

Grade level: 9, 10, 11

Length of Course: Year

Prereq: Algebra I & Geom.

Program Eligibility: Oklahoma's Promise

AP Biology: Equivalent to the general biology course usually taken during the first year in college. A laboratory period of 2 hours a week will be required outside of the regular class time. Students can expect to spend at least five hours a week in unsupervised, individual study outside of class. This course is taught at the college level in agreement with AP guidelines and in preparation for the AP exam. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale. *Course No. 0450*

Grade Level: 11, 12

Length of Course: Year

Prereq: Alg I and Chem I

Program Eligibility: Oklahoma's Promise, NCAA

AP Chemistry: This course will be the equivalent of the general chemistry course usually taken during the first year in college. A laboratory period of two hours will be required outside of the regular class time (approx. six times per semester). Students will spend at least five hours a week in unsupervised, individual study outside of class. This course is taught at the college level in agreement with AP guidelines and in preparation for the AP exam. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No. 0460

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Algebra II and Pre-AP Chemistry (or Chemistry I with teacher approval).

Program Eligibility: Oklahoma's Promise, NCAA

☪**AP Environmental Science:** Overview of general concepts, theoretical principles, and analytical techniques for investigating environmental systems. It integrates tools from both natural and social sciences to analyze contemporary environmental challenges such as pollution, resource acquisition, facility and ecosystem design, impact assessments, and the formulation of environmental policy.. A laboratory period of two hours will be required outside of the regular class time (approximately six times per semester). This course is taught at the college level in agreement with AP guidelines and in preparation for the AP exam. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No. 0472

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Biology , Algebra II, and Chemistry I or Pre-AP Chemistry

Program Eligibility: Oklahoma's Promise, NCAA

☪**AP Physics I:** This course is equivalent to College Physics I (semester I). It will cover kinematics, Newton's laws of motion, Work, Energy, Power, momentum, rotation, oscillations, and gravitation. Strong algebraic word problem solving, and critical thinking skills are required daily. Students will spend at least five hours a week in unsupervised, individual study outside of class. This course is taught at the college level in agreement with AP guidelines and in preparation for the AP exam. Due to increased content and rigor this course has an additional weight of 1 on a 4-point scale.

Course No. 6401

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Alg II Acc

Program Eligibility: Oklahoma's Promise, NCAA

☪**AP Physics II:** This course is equivalent to College Physics II (semester 2). It will cover electrostatics, conductors, capacitors, dielectrics, electric circuits, magnetic fields, thermodynamics, fluid mechanics and electromagnetism. Strong algebraic word problem solving, and critical thinking skills are required daily. Students will

spend at least five hours a week in unsupervised, individual study outside of class. This course is taught at the college level in agreement with AP guidelines and in preparation for the AP exam. Due to increased content and rigor this course has an additional weight of 1 on a 4-point scale.

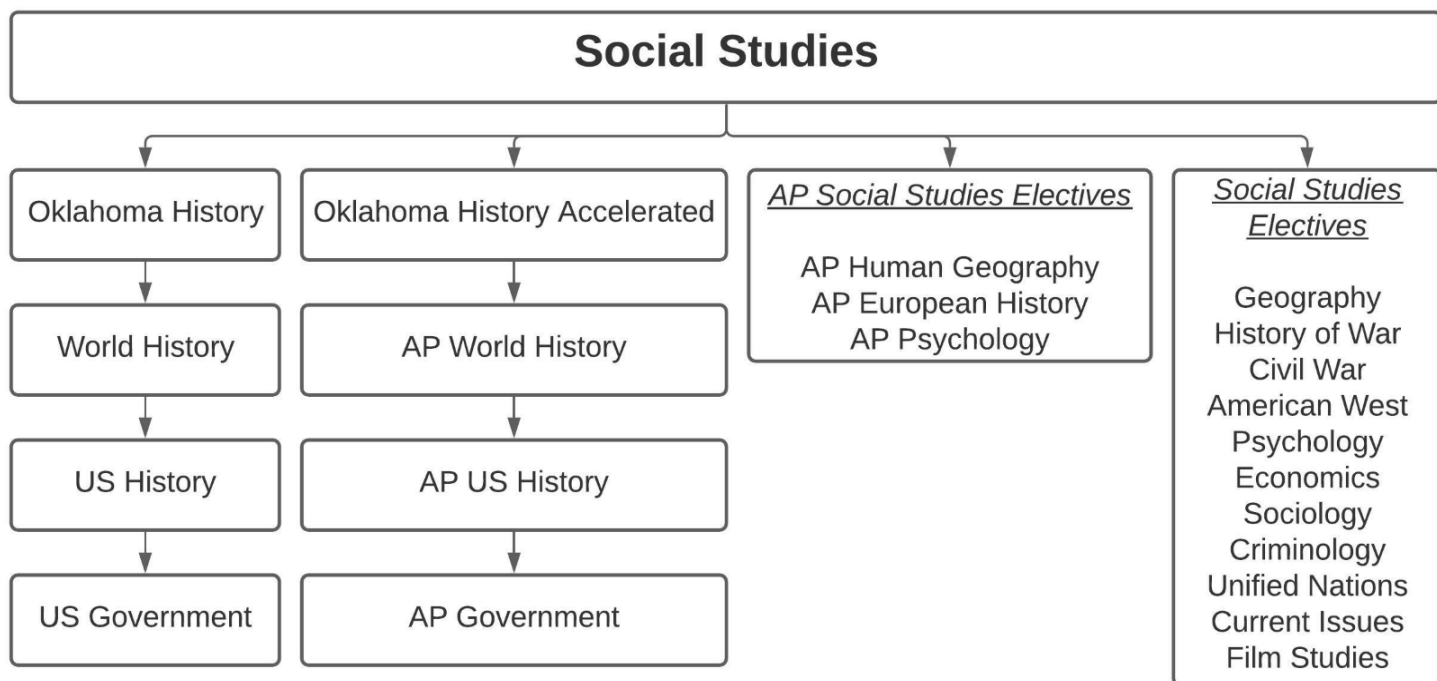
Course No. 6001

Grade Level: 11, 12

Length of Course: Year

Prerequisite: AP Physics 1

Program Eligibility: Oklahoma's Promise, NCAA



Oklahoma History: Included in the course are the following areas: Oklahoma's Geography, Oklahoma as Indian Territory (Removal and Relocation of Native Americans), the Civil War in Oklahoma, the development of Oklahoma Territory, Statehood, Oklahoma's Role in 20th Century America and beyond.

Course No. 0300

Grade Level: 9

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

Oklahoma History Accelerated: This course offers an in-depth study of Oklahoma history. Emphasis is on integrating our state's history with preparation for United States history or world history classes. Students will be expected to read extensively, demonstrate critical thinking and writing skills, and do research. The course prepares students for future history Advanced Placement coursework. Due to increased content and rigor this course has an additional weight of .5 on a 4 point scale.

Course No.0304

Grade Level: 9

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

World History: This course deals with the social, political, and economic progress of mankind from the Renaissance to the Modern Era. The Protestant Reformation, Imperialism, the Industrial Revolution, and various European conflicts will be emphasized.

Course No. 0311

Grade Level: 10

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. College Course Equivalent AP World History: Modern is designed to be the equivalent of an introductory college or university survey of modern world history. Students should be able to read a college-level textbook and write grammatically correct, complete sentences. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No.0338

Grade Level: 10

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise; NCAA

US History: This history course includes the social, economic, and political development of the United States from Reconstruction to the present day. Major emphasis is placed on World War I, the Great Depression, World War II, and the expansion of the United States' influence in the modern world.

Course No. 0320

Grade Level: 11

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

AP US History: This course is designed for the junior student who desires an in-depth exploration of US History. This course will include information from pre-Columbus America to modern times. It is a fast-paced class that demands strong organization skills from the student and an ability to write in a comprehensive manner. The subject matter taught will prepare the student for the possibility of receiving college credit by receiving a score of 3, 4 or 5 the Advanced Placement test. The course is taught in agreement with the AP and College Board guidelines. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No. 0322

Grade Level: 11

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

American Government: This is a study of the developing principles, structure, and functions of the United States federal government. It covers the origin of our Constitution, and concentrated study of the judicial, executive, and legislative branches of state and local government. This course is required for graduation.

Course No. 0328

Grade Level: 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

AP US Government and Politics: This course is taught at the college level in agreement with AP guidelines and in preparation for the AP exam. It will give students an analytical perspective on government and politics in the United States, including both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will also become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. This course is taught at the college level in agreement with AP guidelines and in preparation for the AP exam. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No. 0343

Grade Level: 11, 12

Length of course: Year

Prerequisite: None

Program eligibility: Oklahoma's Promise, NCAA

AP Human Geography: This course will introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research applications. This course is taught at the college level in agreement with AP guidelines and in preparation for the AP exam. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No. 0366

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

AP European History: This course is designed for the student who desires an in-depth examination of European History from 1450 to the present. This course will use AP Historical Thinking Skills to analyze the political, relational, intellectual, diplomatic, and economic themes of

European history. It is a fast-paced class that demands note-taking, strong organization skills, time management, and willingness to develop the ability to write in a historical manner. The subject matter taught will prepare the student for the possibility of receiving college credit by receiving a score of 3, 4, or 5 on the Advanced Placement test. The course is taught in agreement with the AP and College Board guidelines. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No. 0370

Grade Level: 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

AP Psychology: AP Psychology is an advanced study of the field of psychology centered around the many different aspects that influence behaviors and the theories that attempt to explain it. The design of the course is at the college level to prepare students for content requirements established by the College Board and the AP examination to be given at the end of instruction. Students are expected to be responsible for completing course materials, topics and activities related to psychology and to take the AP exam. Critical thinking skills and observational skills are required. Summer reading/assignments are required. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No. 0341

Grade Level: 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: NCAA

Current Events: This course introduces students to issues that influence our life in this global, multi-cultural society. Students will research current economic, political, social, and cultural problems, and explore how ongoing conflicts affect groups as well as individuals. Emphasis is upon America as a dynamic society in the 21st century, witnessing changes involving community, state, nation, and world. Some of the pressing problems facing our rapidly changing society will be examined in detail using a variety of media. Critical thinking skills and

technology related research is emphasized.

Speaking and listening skills are reinforced through class discussions and oral presentations. The study of interdisciplinary connections relates current events to history thereby enabling students to grasp the interrelationship between and among them. The use of a variety of technologies is integrated throughout the curriculum.

Course No. 0342

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: NCAA

Economics: This course will be a study of the choices and decisions people make about how to use the world's resources. It is aimed at the student wanting to understand issues within the economy and how they affect the political world. This semester class is designed to help you understand key economic principles such as supply and demand, savings and credit, stock markets, world trade and markets, and government policy.

Course No. 0355

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA

Sociology: Sociology attempts to explain people's reactions and responses to their environment as expressed through their social relationships. Students investigate crime, juvenile delinquency, minority groups, prejudice, aging, marriage, and comparative cultures of the world. Class discussions, reports, projects, and experiments will be ways we examine these topics.

Course No. 0351

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: NCAA, Oklahoma's Promise

Psychology: Psychology is the scientific study of behavior. This course examines such ideas as personality, personality theories, sensations and perceptions, defense mechanisms, attitudes and beliefs, family environment, hereditary concepts, and thinking and problem solving techniques. This

course is designed to help the student to understand behavior, behavior disorders, and treatment of behavior disorders.

Course No. 0350

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: NCAA, Oklahoma's Promise

The American West: This course is designed as an elective offering within the Social Studies sphere. Focus will be on the territorial expansion of the United States from 1803 to the end of the Frontier period, which would be the early 1890s. Topics to be discussed include (but are not limited to) the acquisition of territory, the cultural confrontations of Europe and Native American, sectional divisions, economic development and the impact of the west on the United States today.

Course No. 0380

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise ; NCAA

Civil War: This course will focus on the era 1830-1877, during the height of American sectional conflict between the Northern states and the Southern states, as well as the consequences of the War between the states of 1861 thru 1865. Topics to be discussed include (but are not limited to) Territorial expansion and the implications of governmental actions concerning the expansion and/or containment of slavery, the ideology of the North and South, personalities of the time period, the course of the war and the efforts at reconstruction of the South and the social issues which resulted, some of which are still felt today.

Course No. 0379

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise ; NCAA

History of War: This course will examine the broad sweep of human military experience on a global scale, focusing on the themes of precedent, innovation, and legacy. We will not try to construct a single narrative of military experience, nor will we

try to examine every society at every time. Although broadly inclusive of many times and places, we will follow several innovations in military practice as their implications around the globe.

Course No. 3041

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Geography: Physical geography is the study of the earth's dynamic systems: its air, water, weather climate, landforms, rocks, soils, plants, ecosystems and biomes and how humans interact with the earth's systems. Physical geography is the study of the world around you. It will help you to understand why San Francisco is always cold and foggy, why we have earthquakes, and what causes seasons. Everyone, every day, interacts with the earth's dynamic systems. This class is an exploration of the complex, and exciting world in which you live!

Course No. 3305

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: OK Promise; NCAA

Criminology: In the modern world, many citizens share a concern about criminal behaviors and intent. This course introduces students to the field of criminology, the study of crime. Students look at possible explanations for crime from psychological, biological, and sociological perspectives; explore the categories and social consequences of crime; and investigate how the criminal justice system handles criminals and their misdeeds. The course explores some key questions: Why do some individuals commit crimes while others do not? What aspects of culture and society promote crime? Why are different punishments given for the same crime? What factors— from arrest to punishment — help shape the criminal case process?

Course No. 3030

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: None

Native American Studies: This semester-long Humanities elective will provide an opportunity for any students (10th-12th grade) who want to learn more about the role Native American tribes and people have played in the history of the United States and continue to play in our present society.

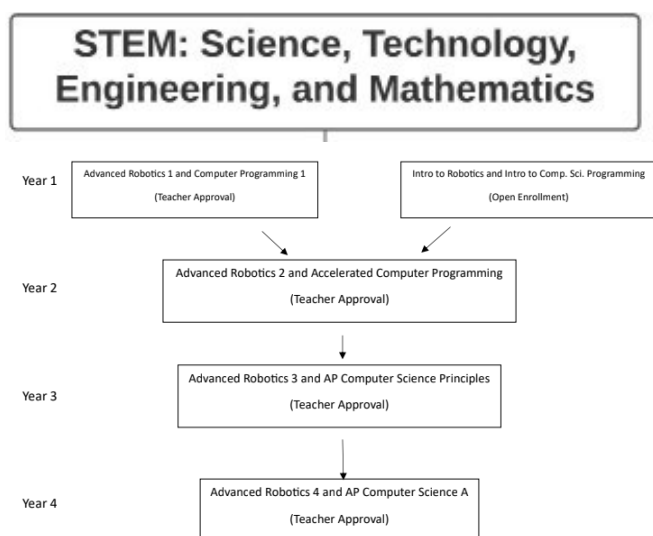
Course No. 0330

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: None



Robotics Classes are dual credit classes. Classes above the introductory level require instructor approval for all classes. Students will be placed in the appropriate robotics course and the appropriate computer programming course in order to receive credit for both courses. Robotics is a general elective credit.

Intro to Robotics: This course will introduce an engineering principles approach to problem solving including research, cost analysis, prototype development, testing, evaluating, and communicating results. Students will work as robotics teams to solve problems, practice safety, and improve communication skills. Students who enroll in this course will also be dually enrolled in Intro to Programming.

Course No. 1202

Grade Level: 9, 10, 11, 12

Course Length: Semester

Prerequisite: None

Program Eligibility: None

Intro to Computer Programming: Intro to Programming introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The programming language in this course is Snap!

Course No. 0611

Grade Level: 9, 10, 11, 12

Course Length: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Advanced Robotics I: Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects like designing a new toy or improving an existing project. Students who enroll in this course will also be dually enrolled in Programming 1, Advanced Programming, AP Computer Science A or AP Computer Science Principles.

Course No. 3054

Grade Level: 9, 10, 11, 12

Course Length: Year

Prerequisite: MS Competitive Robotics or Intro to Engineering Design

Program Eligibility: None

Advanced Robotics II: Students will learn to design, build, program and control robotic devices. A rigorous study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. engineering concepts will include: mechanical design, prototype development, design testing, programming and proper engineering documentation. Students who enroll in this course will also be dually enrolled in Programming 1, Advanced Programming, AP Computer Science A or AP Computer Science Principles.

Course No. 0227

Grade Level: 10, 11, 12

Course Length: Year

Prerequisite: Advanced Robotics 1

Program Eligibility: None

Advanced Robotics III: This is an advanced Engineering design course for upper level high school students. This course allows students to research and apply technology principles to a hands-on project. Students who enroll in this course will also be dually enrolled in Programming 1, Advanced Programming, AP Computer Science A or AP Computer Science Principles.

Course No. 0230

Grade Level: 11, 12

Course Length: Year

Prerequisite: Advanced Robotics 2

Program Eligibility: None

Advanced Robotics IV: This is an advanced robotics engineering course that delivers thorough and engaging STEM education. This course should deliver comprehensive, standards-based instruction through relevant activities and engagement. This course teaches science, engineering, technology, and math in a robotics-based, exciting and engaging environment for students. Students who enroll in this course will also be dually enrolled in Programming 1, Advanced Programming, AP Computer Science A or AP Computer Science Principles.

Course No. 3055

Grade Level: 12

Length: Year

Prerequisite: Adv Robotics 3

Program Eligibility: None

Computer Programming I: Programming 1 introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The programming language in this course is Snap! Students who enroll in this course will also be dually enrolled in Advanced Robotics I, II, III or IV.

Course No. 0226

Grade Level: 9, 10, 11, 12

Course Length: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Computer Programming Accelerated: This course will empower students to develop computational thinking skills while building

confidence that prepares them to advance to AP Computer Science Principles and AP Computer Science A. The programming languages in this course are Snap! And Java. Students who enroll in this course will also be dually enrolled in Advanced Robotics I, II, III or IV. Due to increased content and rigor this course has an additional weight of .5 on a 4 point scale.

Course No. 0248

Grade Level: 10, 11, 12

Course Length: Year

Prerequisite: Programming 1 or Intro to Programming

Program Eligibility: Oklahoma's Promise

AP Computer Science A: This course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. This course is endorsed by the College Board, giving students the opportunity to take the AP CSA exam for college credit. Students who enroll in this course will also be dually enrolled in Advanced Robotics I, II, III or IV. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

Course No. 0220

Grade Level: 11, 12

Course Length: Year

Prerequisite: Adv Programming

Program Eligibility: Oklahoma's Promise

AP Computer Science Principles: Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these

concepts are transforming the world we live in. This course is endorsed by the College Board, giving students the opportunity to take the AP CSP exam for college credit. Students who enroll in this course will also be dually enrolled in Advanced Robotics I,II, III or IV. Due to increased content and rigor this course has an additional weight of 1 on a 4 point scale.

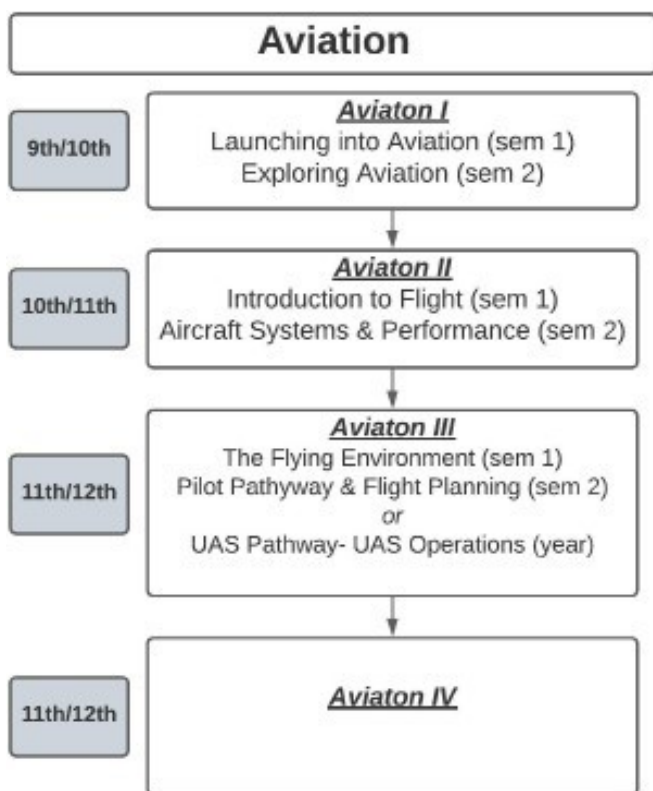
Course No. 0228

Grade Level: 11, 12

Course Length: Year

Prerequisite: Adv Programming

Program Eligibility: Oklahoma's Promise



Aviation I:

Semester 1 - Launching into Aviation – This course will provide the foundation for advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible.

Students will also learn about the wide variety of exciting and rewarding careers available to them. This course will inspire students to consider aviation and aerospace careers while laying the foundation for continued study.

Semester 2 - Exploring Aviation and Aerospace – This course will explore the regulatory and safety organizations and infrastructure that are essential to today's aviation environment. Students will investigate the role of regulation and oversight in creating and maintaining safety and efficiency within the aviation system and gain an understanding of the mission and responsibilities of the FAA. Later, students will consider the role of the National Transportation Safety Board and take an in-depth look at the accident investigation process. Finally, students will examine the government's role in delivering weather information and the importance of weather reporting to aviation safety.

Course No: 1017

Grade Level: 9, 10, 11

Length of Course: Year

Prerequisite: None

Program Eligibility: none

Aviation II:

Semester 1 - Introduction to Flight – In the Introduction to Flight Course, students pursuing the pilot and UAS tracks will take a closer look at the aircraft they may one day operate. Students will begin with an exploration of the types of aircraft in use today before going on to learn how aircraft are made and how they fly. Students will understand how air- craft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in- depth understanding of the forces of flight— lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight.

Semester 2 - Aircraft Systems and Performance – In the Air- craft Systems and Performance course, students in the pilot and UAS tracks will take an in- depth look at the systems that make manned and unmanned aircraft work. Beginning with aircraft propulsion, students will learn about the different types of engines that produce thrust to propel an

aircraft or UAS. They will go on to explore other key aircraft systems, including fuel, electrical, landing gear, and environmental. In order to fly an aircraft safely, students must also learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This unit also covers airplane flight manuals, the pilot's operating handbook, and required aircraft documents. Finally, students will learn about the factors that affect aircraft performance and how to determine critical operating data for aircraft.

Course No. 1018

Grade Level: 10, 11

Length of Course: Year

Prerequisite: Aviation I or instructor approval

Program Eligibility: none (technology credit- must complete full course)

Aviation III:

Semester 1 – The Flying Environment – This course is foundational for both manned and unmanned aviation. Topics include: pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures.

Semester 2 – Pilot Pathway – Flight Planning – This course will cover the remaining topics necessary for students to take the FAA Private Pilot Knowledge Test. Students will learn pilot and aircraft qualifications, cross-country flight planning, weight and balance, performance and limitations, human factors, chart use, night operations, navigation systems, and aeronautical decision making.

-OR-

UAS Pathway - UAS Operations – This course will cover small unmanned aircraft performance, ethics, human factors, aeronautical decision-making and judgment, safety protocols, weight and balance, maintenance, aviation weather sources and effects of weather on small unmanned aircraft performance, small unmanned aircraft loading and performance, emergency procedures, crew resource management, and preflight inspection procedures. Students will be prepared to complete the FAA Part 107 Remote Pilot Knowledge Test upon completion of this course.

Course No. 1019

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Aviation II or instructor approval

Program Eligibility: none (technology credit- must complete full course)

Aviation IV:

Semester 1 – Pilot Pathway

Preflight Your Career - After having prepared for the Private Pilot Knowledge Test and Part 107 Remote Pilot Test in the previous year, students will examine advanced aviation topics and aviation career options. Instrument flight, commercial aviation, and advanced aircraft systems begin the semester. Looking into the future, students then explore new horizons in the aerospace industry. What might aviation look like five, ten, or twenty years into the future? The focus then turns to business development opportunities in aviation. Finally, students learn about and conduct different types of research in preparation for their capstone project in the second semester.

Semester 2 – Pilot Pathway

Pilot Capstone - The Pilot Capstone course is the culmination of the student's learning experience throughout this pathway. The students will work as individuals or in small groups to study and report on an approved aviation topic of their choosing. The goal of this capstone course is to allow students to demonstrate a deep understanding of a topic in aviation. The curriculum will include suggestions for research topics or projects that can be adapted to match available resources.

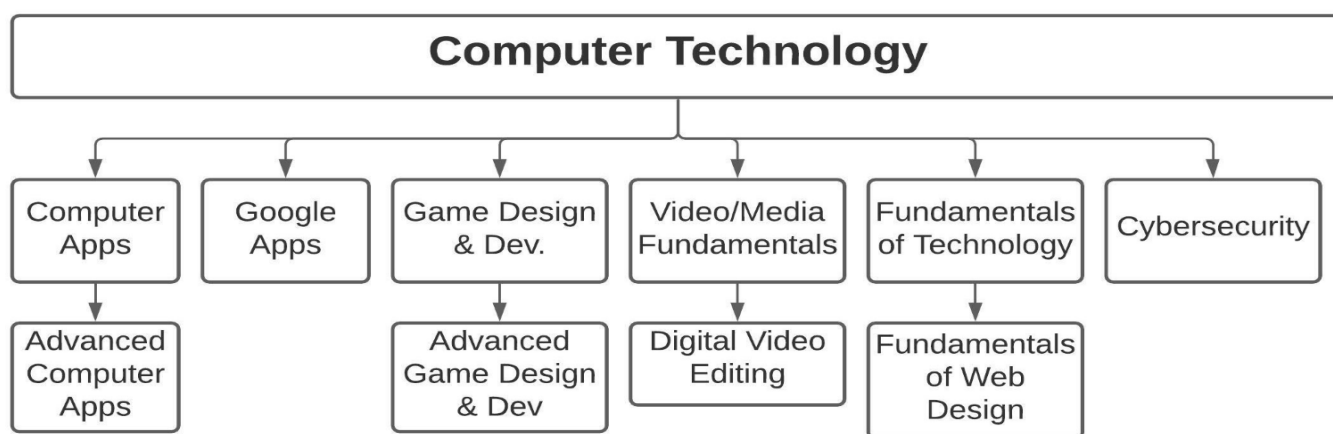
Course No. 1020

Grade Level: 12

Length of Course: Year

Prerequisite: Aviation III

Program Eligibility: none



Fundamentals of Technology: This course will provide students with the fundamental concepts, principles, and ideas needed to understand how business is operated and managed in a rapidly changing global environment, which is needed for success in business-related careers. This course also provides job readiness skills and soft skills that are critical for success in any workplace setting. Students will develop leadership traits, organizational skills, participate in community service projects, and identify their leadership potential through participation in BPA, the business professionals student organization. There is a \$20 student fee.

Course No. 3025

Grade Level: 9, 10

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Computer Applications I: This introductory computer course will provide students with a basic understanding of computer systems and a variety of software, as well as improved keyboarding skills. Students will learn computer terminology, file organization, proper document formatting, appropriate use of the internet for research, email etiquette, operation of Microsoft Windows, and an overview of Microsoft Office Word, Excel, and PowerPoint.

Course No. 0219

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Advanced Computer Applications: This course is an in-depth study of Microsoft Office. It will provide students with an enhanced set of computer skills and knowledge base in Word, Excel, PowerPoint, and Publisher. It is recommended for students who want to master these concepts to enter the business work force and/or college. A grade of an A or B in Computer Applications is highly recommended.

Course No. 0635

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: Computer Apps I

Program Eligibility: Oklahoma's Promise

Google Applications: Students will learn the basics of a growing Google world. Topics including application basics, file creation and sharing, multi-person functions, multi-platform functions, and Google classroom will be covered. Students will create a final project that will reflect all aspects of the Google environment.

Course No. 0280

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Game Design & Development: This course goes over the engineering design cycle, programming concepts, physics in games, debugging skills, problem solving, building and design games with construct 2, building assets and designing an original game. Each student builds their own original game using construct 2 as a final project.

Course No. 0258
Grade Level: 9, 10, 11, 12
Length of Course: Semester
Prerequisite: None
Program Eligibility: Oklahoma's Promise

Advanced Game Design & Development: This course will use Unity to build 3D games and will be an introduction to 3D game development. Students will be exposed to object-oriented programming concepts, game development skills, the design process, and group based projects.

Course No.0252
Grade Level: 10, 11, 12
Length: Semester
Prerequisite: Game Design & Dev
Program Eligibility: Oklahoma's Promise

Video/Media Fundamentals: Video/Media Fundamentals is a course designed to give students a taste of different fields in the video industry. As this class is a prerequisite for Media/Sports Broadcasting, students will learn how to identify, set up, operate, and take care of equipment, as well as other film fundamentals such as lighting, audio, scriptwriting, intro to editing, and cinematography. Many projects include being in front of the camera.

Course No. 0495
Grade Level: 9, 10, 11, 12
Length of Course: Semester
Prerequisite: None
Program Eligibility: Oklahoma's Promise

Digital Video Editing: Students will master real-time editing for professional digital video productions. Project management techniques and professionalism will be emphasized as students complete video based projects.

Course No.0496
Grade Level: 9, 10, 11, 12
Length: Semester
Prerequisite: Video Media Fund
Program Eligibility: Oklahoma's Promise

Graphic Design: Students will use Adobe InDesign, Photoshop, and other Adobe programs to create simple graphics, complex graphics, publications, and other graphic design pieces.

Course No. 5025

Grade Level: 9, 10, 11, 12
Length of Course: Semester
Prerequisite: Comp Apps I
Program Eligibility: Oklahoma's Promise

Cybersecurity: The design of the course exposes high school students to the ever growing and far reaching field of cybersecurity. Students accomplish this through problem-based learning. This includes Step by Step lessons showing how to accomplish a task, then practicing this task in following Steps. Students will also be asked to put what they have learned into Problem based Projects where the students will work in Small Cybersecurity Groups to apply what they have learned to solve the Problems. Students will be expected to present their group findings to the other Cybersecurity Teams (groups) in the class as a conclusion.

Reading, Collaboration and Short presentations are necessary skills for this class.

Course No. 1025
Grade Level: 10, 11, 12
Length of Course: Year
Prerequisite: None



French I: This course is designed to introduce students to the French language and cultures of French-speaking countries. Grammar structures and vocabulary are presented to develop proficiency in the four language skills of listening, reading, writing, and speaking. Reading, viewing, storytelling and role-playing activities in French reinforce language acquisition and cultural themes. A minimum grade of “C” in 8th grade Language Arts is recommended for a 9th grade student to be successful in this course.

Course No. 0170

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: OK Promise, NCAA

French II: This course is designed to continue developing proficiency. Grammatical structures and vocabulary from French I continue to be practiced. In addition, new grammatical concepts, vocabulary and cultural themes are presented. Reading, viewing, storytelling and role-playing activities in French reinforce language acquisition and cultural themes. A minimum of a “C” in French I is recommended.

Course No. 0171

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: French I

Program Eligibility: OK Promise, NCAA

French Language & Culture Accelerated (French III): This course is conducted in French and is intended for students that wish to develop proficiency and integrate their language skills, using authentic materials and sources. The course will prepare students to demonstrate their level of French language proficiency across the three communicative modes: interpersonal, interpretive and presentational. The course engages students in an exploration of culture in both contemporary and historical contexts. Throughout the course, the following six themes will be addressed via lessons on sub-themes/topics: 1) Global Challenges, 2) Science and Technology, 3) Contemporary Life, 4) Personal and Public Identities, 5) Families and Communities, and 6) Beauty and Aesthetics.

Course No. 0172

Grade Level: 11, 12

Length: Year

Prerequisite: French II

Program Eligibility: Oklahoma’s Promise; NCAA

AP French Language & Culture: The AP French Language and Culture course takes a holistic approach to language proficiency. In this standards-based course, students will learn language structures in context and use them to convey meaning. Language structures will be addressed inasmuch as they serve the communicative task and not as an end goal unto themselves. The course strives to promote both fluency and accuracy in language use and not to over-emphasize grammatical accuracy at the

expense of communication. [AP French Language and Culture, College Board Curriculum Framework]

Course No. 0173

Grade Level: 12

Length: Full Year

Prerequisite: French III

Program Eligibility: Oklahoma's Promise; NCAA

Spanish I: This course develops students' proficiency in listening, reading, writing, and speaking Spanish on a basic level. Also, the students are introduced to the history and culture of Spanish-speaking countries. Classroom presentations are part of instruction and students are expected to participate. A minimum grade of "C" in 8th grade Language Arts is recommended for a 9th grade student to be successful in this course.

Course No. 0180

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise; NCAA

Heritage Spanish 1: Designed for students who have prior exposure to Spanish but may not have studied it formally. Improvement of Spanish as used in the academic world. Review of grammar, exploration of Spanish-speaking cultures, and practice at novice-intermediate level proficiency. Practice in three communicative modes: interpersonal, presentational (speaking, writing), and interpretative (listening, reading).

Course No. 3981

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise; NCAA

Spanish II: Spanish II reinforces proficiency in using grammatical structures and vocabulary from Spanish I. In addition, this is an intense grammar course that introduces many new grammatical concepts. Writing, reading, listening and speaking in Spanish will be emphasized. Classroom presentations are part of instruction and students are expected to participate. Minimum grade of "C" in Spanish I recommended.

Course No. 0181

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: Spanish I

Program Eligibility: Oklahoma's Promise; NCAA

Spanish II for Heritage Speakers: This course provides instruction directed at students' continued development of existing competencies in the Spanish language. Students will acquire skills that range from learning grammar and spelling, developing specialized vocabulary through the study of other disciplines, and interpretation and analysis of different literary genres. Students will also increase their awareness and appreciation of different Spanish-speaking cultures. Students will compare and contrast language functions between Spanish and English and enhance their language skills in both languages. Spanish exclusively will be used in the classroom. In addition, it will prepare students for success in Pre-AP & AP Spanish.

Course No. 3982

Grade Level: 9, 10, 11, 12

Length: Year

Prerequisite: Spanish is spoken at home 50-70% of the time

Program Eligibility: Oklahoma's Promise

Spanish Language and Culture Accelerated (Spanish III): This course is intended for

students who wish to develop proficiency and integrate their language skills, using authentic materials and sources. Students who enroll should already have a basic knowledge of the language and cultures of Spanish-speaking peoples and should have attained a reasonable proficiency in using the language. The course will prepare students to demonstrate their level of Spanish proficiency across three communicative modes (Interpersonal [interactive communication], Interpretive [receptive communication], and Presentational [productive communication]). Minimum grade of a "C" in Spanish II recommended.

Course No. 0903

Grade Level: 11, 12

Length: Year

Prerequisite: Spanish II

Program Eligibility: Oklahoma's Promise; NCAA

AP Spanish Language and Culture: This course is intended for students who wish to develop proficiency and integrate their language skills, using authentic materials and sources. Students who enroll should already have a basic knowledge of the language and cultures of Spanish-speaking peoples and should have attained a reasonable proficiency in using the language. The AP Spanish Language course will prepare students to demonstrate their level of Spanish proficiency across three communicative modes (Interpersonal [interactive communication], Interpretive [receptive communication], and Presentational [productive communication]), and the five goal areas outlined in the Standards for Foreign Language Learning in the 21st Century (Communication, Cultures, Connections, Comparisons, and Communities). The course is meant to be comparable to third year (fifth or sixth semester) college and university courses that focus on speaking and writing in the target language at an advanced level. Minimum grade of a “C” in Pre AP Spanish recommended.

Course No. 0183

Grade Level: 12

Length: Year

Prerequisite: Spanish Language and Culture III

Program Eligibility: Oklahoma’s Promise; NCAA

FFA is an extension of the classroom that allows students to attend leadership conferences, livestock shows, judging contests, and career development events.

Course No. 0622

Grade Level: 9

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Agricultural Leadership and Personal Development:

This is a one unit course that is designed to further develop leadership and personal skills. Content will include leadership theory and attributes, developing leadership skills, conflict resolution, planning and carrying out meetings, using parliamentary procedure, preparing and making speeches, organizing communication campaigns, managing tasks and teams, loyalty, personal appearance and health, and ethics. FFA and supervised experience will be included, as appropriate.

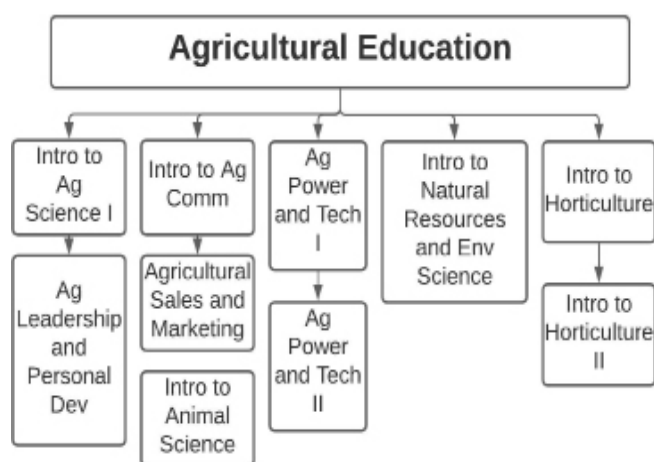
Course No. 0399

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None



Agricultural Science I: This is an introductory course in the agriculture and agricultural-related industries. Core curriculum provides students with necessary skills, information, and opportunities to experience a variety of occupational and educational clusters in leadership, communications, careers, agriculture mechanics (welding), and animal science and plant science.

Intro to Animal Science: The Introduction to Animal Science course is a one-unit course structured to provide a sound foundation for advanced courses. The course is designed for students interested in learning the fundamentals of science-based animal agriculture. The content includes the importance and scope of agricultural animals, taxonomy, anatomy, physiology, reproduction, nutrition, health and disease management, facilities and equipment, and production practices of popular species. Evaluation, fitting, showing, and marketing are included. Animal ethics and safety are also included. FFA and supervised experience are integral in the course, as appropriate.

Course No. 3103

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Intro to Ag Communications: This is a one credit course that introduces the broad field of agricultural communications and provides for the development of knowledge and skill in specific areas related to communications theory and practice. Content includes the meaning and process of communication, the role and history of print and electronic media, legal aspects of agricultural communications, news and feature writing in agriculture, news photography, layout and design, and ethics in agricultural communications. Content may also include web design and broadcast journalism in agriculture. Students will be encouraged to begin developing a portfolio in an area of interest such as print media, electronic media, or public relations. FFA and supervised experience will be included as appropriate.

Course No. 0661

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None (fine art credit- must complete full course)

Agricultural Sales and Marketing: This course builds on introductory courses and is for students with an interest in marketing processes, particularly selling and distribution. Content includes the importance of marketing, agricultural commodity marketing, international marketing, input marketing, preparing marketing plans, promotion and advertising, technology in sales and marketing, and personal selling.

Course No. 0621

Grade Level: 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None (PFL credit- must complete full course)

Agricultural Power & Tech I: These courses provide information about the selection, operation, maintenance, and use of agricultural power, electronics, agricultural machinery, soil and water management, and agricultural mechanic shop, including welding, cutting, metallurgy, and safety.

Course No. 0625

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Agricultural Power & Tech II: This course is a continuation of Intro to Ag. Mech & Power and provides information about the selection, operation, maintenance, and use of agricultural power, electronics, agricultural machinery, soil and water management, and agricultural mechanic shop, including welding, cutting, metallurgy, and safety.

Course No. 0626

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Agricultural Power & Tech I or

Instructor Approval

Program Eligibility: None

Introduction to Natural Resources and Environmental Science: This course is for students with an interest in the use and stewardship of natural resources and the environment. Content includes the importance of natural resources, issues associated with preservation and conservation, kinds of resource use, human population demands, recycling, ecology, weather and climate, biosecurity, land description, energy, minerals, rangeland, and waste management.

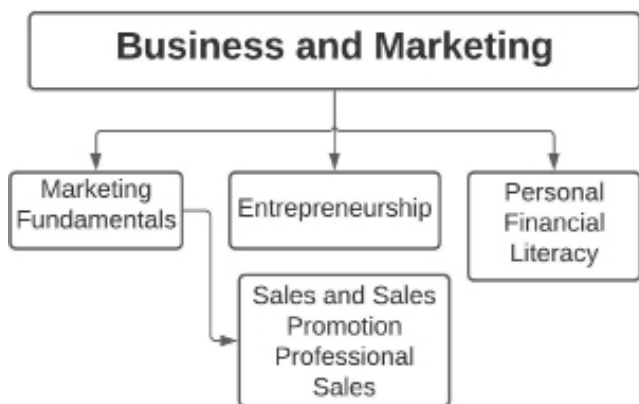
Course No. 0627

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise, NCAA



Marketing Fundamentals: See how companies such as Nike, Apple, and Disney advertise their businesses and keep profits high. Course content includes topics related to the marketing mix, marketing plans, advertising, and social media. Course includes marketing projects in the world of Fashion, Sports, Entertainment, Health & Beauty, and Travel & Tourism. Students will develop leadership traits and identify their leadership potential through participation in DECA, the marketing student organization. Membership in DECA is a class requirement. \$20 for local, state, and national dues.

Course No. 0634

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Entrepreneurship: From local stores to business empires, every organization needs brand recognition. Learn to create effective business plans, marketing campaigns, develop new business pitches, and gain insight on how to build a business. Students will study what it takes to be an entrepreneur, business math, decision making, types of business ownership, and physical store layout. Get the knowledge to not only survive in the business world but thrive in it. Membership in DECA is a class requirement: \$20 for local, state, and national dues

Course No. 0642

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: None

Sales and Sales Promotion: This is a course of study designed to prepare students with the basic knowledge and skills necessary for a career in sales. Students will discover the role of sales and sales promotion in meeting the goals of an organization. Topics include; understanding personal traits, human relation skills, product knowledge, selling principles and techniques, promotion, advertising, and state and federal laws. Students will engage in a workplace environment and sales lab scenario through running the student store. Students will develop leadership traits and identify their leadership potential through participation in the DECA student organization. This is the capstone course for all DECA/Business & Marketing courses. Membership in DECA is a class requirement. \$20 for local, state, and national dues.

Course No. 3537

Grade Level: 11, 12

Length of Course: Year

Prerequisite: previous Marketing/ DECA courses;

Teacher Approval

Program Eligibility: None

Professional Sales: This is a course of study designed to prepare students with the basic knowledge and skills necessary for a career in sales. Students will discover the role of sales and sales promotion in meeting the goals of an organization. Topics include; understanding personal traits, human relation skills, product knowledge, selling principles and techniques, promotion, advertising, and state and federal laws. Students will engage in a workplace environment and sales lab scenario through running the student store. Students will develop leadership traits and identify their leadership potential through participation in the DECA student organization. This is the capstone course for all DECA/Business & Marketing courses. Membership in DECA is a class requirement. \$20 for local, state, and national dues.

Course No. 3341

Grade Level: 12

Length of Course: Year

Prerequisite: previous Marketing/ DECA courses;

Teacher Approval

Program Eligibility: None

Personal Financial Literacy: This course will introduce many areas that will help enhance financial security: understanding ways to maximize one's earnings potential, developing strategies for managing financial resources, exploring skills for the wise use of credit and discovering ways to manage risk are some of the topics that will be covered. Students will complete the personal financial literacy standards required for graduation through the completion of this course.

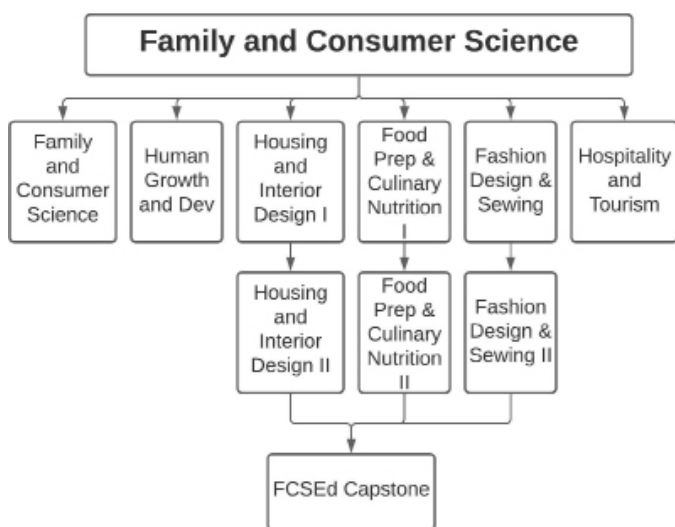
Course No. 0632

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: None



Family & Consumer Science: This course provides students with basic information and skills needed to function within the family and society. Students will examine nutrition and wellness, food science, housing and interior design, early childhood, textiles, interpersonal relationships and career exploration. Basic life skills that promote a positive influence upon the quality of their life will be gained. Leadership opportunities are offered through the student organization, Family, Career and Community Leaders of America (FCCLA). Students who wish to join will pay national affiliation dues, along with district and state convention registration fees.

Course No. 0700

Grade Level: 9, 10

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Human Growth and Development: In this course, students examine human development across the lifespan. From newborn to older adulthood, people continue to develop and change physically, cognitively, socially, and emotionally. Family trends, cultural diversity, health, and safety are included in the curriculum. Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course.

Course No. 0722

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Interior Design I: This course enables students to explore their creativity in the field of interior design. Identification of the elements and principles of design are emphasized. Other topics included are housing needs, influences on the housing industry, furniture arrangement basics, floor plan evaluation, area planning, facility and maintenance management, and careers. Student leadership through Family, Career and Community Leaders of America (FCCLA) is an integral part of this course. Class fee for consumable class project supplies. Additional supplies for personalized and/or individualized projects to be supplied by students.

Course No. 0724

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Interior Design II: This is a specialized course designed to prepare students to understand the influences affecting both residential and commercial decisions. This course is a continuation of Housing and Interior Design I. Instruction will focus on space planning and functionality, finishing materials, furniture styles and functions, designs and presentations.

Course No. 0725

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Interior Design I

Program Eligibility: None

Food Prep & Culinary Nutrition I:

A laboratory course in which students use nutrition knowledge to make informed choices to promote lifetime wellness, the importance of healthy eating, and physical activity across the lifespan. Students will learn safe food handling practices, healthy menu planning and food preparation techniques, and how to recognize sources of stress and healthy strategies to reduce the impact of stress on total wellness. Career exploration of the nutrition and culinary industries. Student leadership through Family, Career, and Community Leaders of America (FCCLA) is an integral part of this course.

Course No. 0718

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Food Prep & Culinary Nutrition II:

A laboratory course in which students will study the physical, biological, and chemical makeup of food, the causes of deterioration in food products, the principles underlying food processing, and the improvement of foods for the consuming public. Students will investigate and analyze the science involved in advanced food preparation techniques. Students will learn to make informed decisions regarding consumable foods to foster wellness in our ever-changing society. Career exploration of the nutrition and culinary industries. Student leadership through Family, Career, and Community Leaders of America (FCCLA) is an integral part of this course.

Course No. 0714

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Food Prep & Culinary Nutrition I

Fashion Design & Sewing: This course introduces students to basic apparel design and construction skills. Students will examine the elements and principles of design, plan a wardrobe, learn to care for clothing, select appropriate fabrics for a selected pattern, learn basic operations of sewing technology and equipment as well as apply basic sewing skills. Career skills and career opportunities within the apparel industry will be explored. Class fee for consumable class project

supplies. Additional supplies for personalized and/or individualized projects to be supplied by students.

Course No. 0720

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

Fashion Design & Sewing II: This course will strengthen and broaden apparel design and production techniques taught in Fashion Design & Sewing 1. In this course, students will design and construct intermediate to advanced level projects using various construction techniques. Students will identify, analyze and apply design processes and techniques to textiles. Entrepreneurship, service projects, career skills and career opportunities within the apparel industry will also be explored. Class fee for consumable class project supplies. Additional supplies for personalized and/or individualized projects to be supplied by students.

Course No. 0729

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Sewing I

Program Eligibility: None

Hospitality and Tourism: Introduction to Hospitality, Tourism and Recreation focuses on pathways and careers in the Hospitality and Tourism cluster. Students identify and compare their personal attributes with careers in this cluster. Students explore the professional behaviors, skills and abilities necessary for hospitality, tourism and recreation.

Course No. 1026

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: None

FACS Capstone: OK CareerTech capstone courses are an in-depth opportunity for the student to demonstrate accomplishment of the full spectrum of their learning at the culmination of a career major. The course is student centered and directed and integrates what the student has

learned from specific career major FCS courses along with their academic courses. Capstone courses are the application of all that the student has learned. Capstone courses are tailored and individualized within a student/teacher partnership and serve as a pure evaluation instrument when assessed by a panel of the career major experts. Student leadership through Family, Career, and Community Leaders of America (FCCLA) is an integral part of this course.

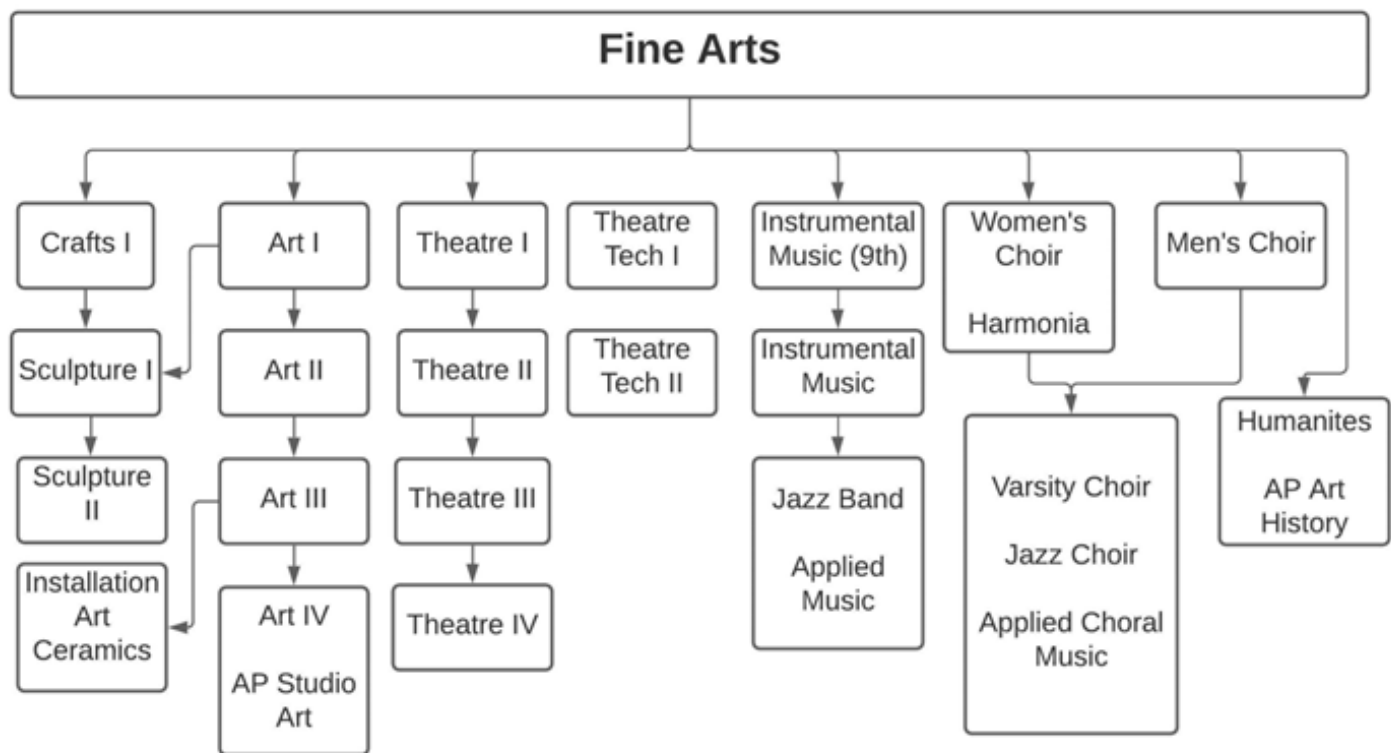
Course No. 00730

Grade level:12

Length of Course: Year

Prerequisite: FCS 1 and 2 yrs in specific FCS pathway

Program Eligibility: None



Art I: Students will study and work with basic techniques and materials in art. The elements of drawing will be studied in depth. Students will work in various drawing media. Basic painting, printmaking, and sculpture will also be covered. \$40 Art fee required to cover consumable materials used.

Course No. 0510

Grade Level: 9, 10

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Art II: This course will address, in increasing detail, the techniques and skills taught in Art I. Students will be required to think with increasing independence and creativity. Careers in art will also be discussed. A \$40 Art fee is required to cover consumable materials used.

Course No. 0511

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Art I

Program Eligibility: Oklahoma's Promise

Art III: Artists at this level will be working individually with the teacher to create artwork in their areas of interest. Coursework will include both full class and some individual assignments. Students must be self-motivated and truly interested in Art. Emphasis will be placed on careers in art and career planning, art presentation and display and creation of successful portfolios. Students are required to show work in the spring Art Show. A \$40 Art Fee is required to cover consumable materials used.

Course No. 0512

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Art II

Program Eligibility: Oklahoma's Promise

Art IV: Artists at this will continue their individual work with the teacher guidance to create artwork in their areas of interest. Coursework will include both full class and some individual assignments. Students must be self-motivated and truly interested in Art with aspirations to continue in the field after high school. Emphasis will be placed on careers in art and career planning, art presentation and display and creation of successful portfolios. Senior students are required to show work, expanding their high school career, in the spring Art Show. A \$40 Art Fee is required to cover consumable materials used.

Course No. 0513

Grade Level: 12

Length of Course: Year

Prerequisite: Art III

Program Eligibility: Oklahoma's Promise

AP Studio Art: AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP work should be at a first-year college level and should reflect a sense of quality, concentration on a particular visual interest or problem, and the need for breadth of experience in the formal, technical and expressive means of the artist. This course is only for students who intend to submit an AP portfolio at the end of the year. A \$80

art fee is required to cover consumable materials used, (it can be paid out throughout the year).

Course No. 0448

Grade Level: 11, 12

Length of course: Year

Prerequisite: Art II/Teacher Rec

Program eligibility: Oklahoma's Promise

Installation Art: This course will provide hands-on experience including basic construction skills as well as faux painting. We will be working/creating the design for prom. Artists will be assigned class and individual assignments. Students must be self-motivated.

Course No. 0508

Grade Level: 11, 12

Length of course: Year

Prerequisite: Art I, Woodshop I or Stagecraft

Program eligibility: Oklahoma's Promise

Crafts I - Mixed Media/Art Exploration: This course helps students apply fundamental processes of creative artistic expression with a variety of materials and accompanying aesthetics of traditional & contemporary hands-on art making opportunities. Students may explore different types of mediums, materials, applied art processes, in traditional and contemporary ways. This course will survey a wide range of art basics including the use of the Elements and Principles of Art, processes, craft making, art techniques, some possibilities include Zentangles, Scratch Art, Print-making, encaustic, painting, wood & leather burning, wood arts, beading/simple jewelry making, fiber arts (stitching, hand & machine sewing, weaving, felting, etc), handwriting & lettering, serigraphy, leather/leather stamping, and so on. This course may also explore aesthetic issues surrounding folk art, traditional practices, contemporary practices and correlate artists/art history and engage in critiques of these art forms. Expect: Fine-motor development, hands-on, messy, assorted smells, safety protocols and studio practices are observed and expected. A \$30 Art fee is required to cover consumable materials used.

Course No. 0500

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Sculpture I: This course will build on basic art concepts using sculpture as the primary method for creating art. Various types of sculpture will be covered including relief and 3D. Materials may include paper, found objects, clay and wood. A \$40 Art fee is required to cover consumable materials used.

Course No. 0501

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: Art1, Crafts or Materials & Processes

Program Eligibility: Oklahoma's Promise

Sculpture II: This course will cover, in increasing detail, the techniques and skills taught in Sculpture I. Students will be required to think with increasing independence and creativity while engaging in challenging sculpture techniques. Students must be self-motivated and truly interested in Art. Materials may include found objects, clay, wood, mosaic, plaster and wire. This course may be used as a pathway to Advanced Placement Art. A \$40 Art fee is required to cover consumable materials used.

Course No. 1028

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: Sculpture I

Program Eligibility: Oklahoma's Promise

Ceramics: This course will build on basic ceramic hand-building skills using clay as the primary method for creating art. Various hand building skills will be covered including pinch pot, coil building, slab, and a variety of surface textures and carving techniques. Students will explore a variety of surface treatments such as glazing, underglazing, acrylic painting and watercolor painting. This course may also build into throwing on the wheel. There is a \$40 materials fee required for this course.

Course No. 1024

Grade Level: 11, 12

Length of Course: Semester

Prerequisite: Sculpture I and Sculpture II

Program Eligibility: Oklahoma's Promise

Humanities: This semester-long course is an engaging study of society and history through the lens of art and music. Academically challenging and creative activities prepare students for discussions, group activities, and individual assignments that will make history come alive. This course will be helpful for every student who desires to think deeply and dig deeper into all issues regarding humanity – it will be extremely beneficial in preparation for college.

Course No. 3824

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma's Promise

AP Art History: This course is to prepare students for the AP Art History exam. It is to encourage critical thinking, develop strong writing skills, cultivate a life-long love of art, and understanding of how art enriches the human experience. In addition, students are encouraged to develop a desire to travel and see the world. The course will begin with Prehistoric art and continue to the present day. We will study the diversity of art to include both European and non-European traditions. We will consider painting, printing, sculpture, and architecture. We will place the artworks within the context of function, style, period, politics, personalities, geography, literature, religion, philosophy, ethics, technology, patronage, ethnicity and gender. Learning to understand what a piece of art communicates and how it communicates is a priority.

Course No. 6061

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Treble Choir (Women's Choir): This ensemble is for 9th - 12th singers with soprano/alto voice ranges. This ensemble performs choral literature ranging from the Renaissance to the 21st Century. Performance events include, but are not limited to, State Choir Contest, Solo & Ensemble, and local concerts. Students also have the opportunity to audition for a variety of honor choirs. Attendance at evening concerts and participation at contests are

mandatory. Choir fee includes (but not limited to) uniform rental, folder, Mustang High School choir t-shirt.

Course No. 0537

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Cantus Choir (Men's Choir): This ensemble for 9th - 12th singers with tenor/bass voice ranges. This ensemble performs choral literature ranging from the Renaissance to the 21st Century. Performance events include but are not limited to State Choir Contest, Solo & Ensemble, and local concerts. Students also have the opportunity to audition for a variety of honor choirs. Attendance at evening concerts and participation at state choir contests are mandatory. Choir fee includes (but is not limited to) uniform rental, folder, Mustang High School choir t-shirt.

Course No. 0529

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Harmonia Choir: This auditioned choir is for singers with soprano/alto voice ranges who are wanting to sing challenging music, are apt to audition for regional and state honor choirs, and compete in Solo and Ensemble, in addition to performing at all concerts and competing at state choir contests. This choir creates a continuation of the select choirs at the middle and high school level. This group performs choral literature ranging from Renaissance to the 21st Century. Performance events include but are not limited to State Choir Contest, Solo & Ensemble, and local concerts. Attendance at evening concerts and state choir contests are mandatory. Choir fee includes (but not limited to) uniform rental, folder, Mustang High School choir t-shirt.

Course No. 0533

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: Audition

Program Eligibility: Oklahoma's Promise

Jazz Choir: An auditioned mixed choir consisting of 9th - 12th grade students who are looking to sing and compete in jazz music. Students will perform at all regular concerts, as well as other outside events. This group focuses on popular vocal styles such as Jazz, R&B and other popular genres. Not only do students learn how to sing with a group, but also learn the skill of solo improvisation, microphone technique, and performance skills. Students must maintain concurrent enrollment in either Treble Choir, Cantus, Harmonia or Varsity Choir to enroll in this course.

Course No: 3336

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: Audition, dual enrollment in additional choir course.

Program Eligibility: Oklahoma's Promise

Varsity Choir: This is an auditioned mixed ensemble for 9th - 12th grade singers who are looking to sing and compete at the highest levels. This group performs choral literature ranging from the Renaissance to the 21st Century. Performance events include but are not limited to State Choir Contest, Solo & Ensemble Contest, local concerts, as well as community events. Students are encouraged to participate in regional, state and national honor choirs. Attendance at evening concerts and participation at state choir contests are mandatory. Choir fee includes (but not limited to) uniform rental, folder, Mustang High School choir t-shirt.

Course No. 0532

Grade Level: 10, 11, 12 (9th grade students require teacher approval)

Length of Course: Year

Prerequisite: Audition

Program Eligibility: Oklahoma's Promise

Show Choir: This audition mixed choir is for singers who are looking to sing, dance and compete at the highest levels. Students will perform at concerts, as well as other outside events. Students are expected to be enrolled in either Treble Choir, Cantus, Harmonia or Varsity Choir to participate in this ensemble. This is an extracurricular ensemble that does not meet during the school day, but rehearses one evening a week.

Course No: 3957

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: Audition, dual enrollment in additional choir course.

Program Eligibility: Oklahoma's Promise

Applied Choral Music (Voice): This course is designed to develop the growing vocal musician. Emphasis will be placed on progress and measured individual achievement. Students enrolling in Applied Music will be required to audition for the CODA and All-OkMEA honor choirs during the Fall Semester. Students enrolling in the spring will be required to participate in OSSAA Solo and Ensemble music competition at both the regional and state levels. There will be required performances on evenings and weekends as scheduled in advance by the instructor. Audition Fees will apply.

Course No. 3839

Grade Level: 12

Length of Course: Year

Prerequisite: Approval

Program Eligibility: Oklahoma's Promise

Theatre I: Theatre I is a year-long, performance-based course. Students, live or filmed, perform in class presentations including: oral interpretation, monologues, scenes, storytelling, improvisation, mime, pantomime, commercials, and a mandatory class production. Students study Greek, Roman, Medieval, Renaissance & Elizabethan theatre history and are also introduced to stagecraft as they create makeup, costume and set designs. OSSAA Speech Tournaments are encouraged while participation in a class play is mandatory. A 16 GB SD card is required.

Course No. 0148

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma's Promise

Theatre II: Theatre II is a year-long, performance-based course building on the background established in Theatre I, adding the exploration of classical and contemporary production styles and playwriting as well as the study

of acting styles/theories, Shakespeare and Modern playwrights. Students read and analyze plays, write critiques and reviews, create a resume, create and implement makeup designs and construct/design a flat. Possible Shakespeare and stage combat workshops. Students are required to purchase a \$80-85 theatrical makeup kit for our unit on stage makeup. Competing in one OSSAA Speech Tournament as well as participation in a class play is required. A 16 GB SD card is required.

Course No. 0149

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Theatre 1, audition process and instructor approval

Program Eligibility: Oklahoma's Promise

Theatre III: Theatre III is an advanced performance-based course building on the background established in Theatre I and II. Students are required to participate in scenes, monologues, playwriting, improvisation, production design, tournaments, theatre management (in senior-directed one acts), and a class production, which will require some outside class time for a few rehearsals (TBA) & performances. Theatre III students specifically study American Drama, Shakespeare, and auditioning techniques and create an acting resume or design portfolio. Possible stage combat and "auditioning for camera" (film & TV) workshops. Competing in 2 OSSAA Speech Tournaments, participation in the class play, a 16 GB SD card, and participation in the Senior Directed One Acts are all required.

Course No. 0150

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Theatre II, audition process and instructor approval

Program Eligibility: Oklahoma's Promise

Theatre IV: Theatre IV is the final theatrical available course, building upon all previous theatre classes, adding the element of directing (Senior-directed one acts). Students are required to participate in scenes, monologues, playwriting, improvisation, production design, tournaments, and a class production, which will require some

outside class time for a few rehearsals (TBA) & performances. Theatre IV students specifically study World Theatre, Shakespeare & audition techniques and create an acting resume or design portfolio. Possible stage combat and “auditioning for camera” (film & TV) workshops. Competing in 2 OSSAA Speech Tournaments, participation in the class play, a 16 GB SD card, and participation in the Senior Directed One Acts are all required.

Course No. 0151

Grade Level: 12

Length of Course: Year

Prerequisite: Theatre III, audition process and instructor approval

Program Eligibility: Oklahoma’s Promise

Speech: Public speaking is listed as the number one fear of Americans. This course will hope to alleviate this problem for students. This course is focused on students preparing, presenting and evaluating public speaking projects. Students will learn essential communication skills and concepts as well. Students will be required to prepare and present several speeches over the course of the semester including, but not limited to, informative, persuasive, demonstration, group presentations, and more.

Course No. 0750

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: Oklahoma’s Promise; NCAA

Arts Tech Audio/Video/Lighting PAC

Internship Course: This course is designed for the student who desires a career in AVL Design or a comparable production pathway. By the end of this course, students will have connections to enter the workforce or a college program of choice.

Professional membership and attendance at USITT conferences will expand their knowledge to prepare them for new industry innovations. Students enrolled in this course will assist the MPAC Technical Director with performances and events held in the PAC.

Course No. 0381

Grade Level: 12

Length of course: Year

Prerequisite: Enrollment by application & teacher recommendation.

Stagecraft/Technical Theatre: This course is designed to give all students a basic understanding of the tools, materials, methods, terminology and practice of Stagecraft & Technical Theater. The course introduces the student to the art and craft of technical theatre and theatre production, as well as beginning design and theory. The course focus is on scenery & properties of construction, theatrical painting, lighting & sound operation and program participation. Stagecraft admission requires instructor approval, and advancement requires an application process.

Course No. 3161

Grade Level: 9, 10, 11, 12

Length of Course: Year

Prerequisite: None

Program Eligibility: Oklahoma’s Promise

Theatre Technologies I: This course is an introduction to the basic theory and practice of stage audio/lighting. Students will explore and apply elements of design (color, texture, intensity, line, composition) as they relate to lighting for live performance. Learning the basic tools of the lighting from the actual lighting instruments to the creating and timing of lighting cues. Intensive practical application of principles in technical theatre running crew for a live production. Theory and practice of sound design for live theatre.

Course No. 1038

Length of course: Year

Prerequisite: Stagecraft or Teacher Approval

Theatre Technologies II: This course intensive practical application of principles in technical theatre production for Lighting and Sound. Theory and practice of stage lighting. Instruments and control systems employed in lighting the stage. Advanced techniques and practice in technical drafting as applied to theatrical scenic construction. Strengthen design aesthetic and understanding of modern technology that is commonly seen in the theatre through hands-on exploration of lighting consoles, automated and LED fixtures that will sharpen design skills. Production opportunities in

Sound Design and Audio Engineering. Overseeing the planning and execution of an actual production.

Course No. 1040

Prerequisite: Stagecraft, Theatre Technologies I, or Teacher Approval

Length of course: Year

AP Music Theory: The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory and aural skills coursework. Students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. Course content extends from the fundamentals of pitch, rhythm, timbre, and expression to concepts of harmonic function, phrase relationships, and tonicization. Students study these concepts in heard and notated music, with emphasis on identification and analysis of musical features, relationships, and procedures in full musical contexts. Repertoire for analysis on the AP Music Theory Exam ranges from European Baroque pieces to folk and popular music from across the globe. Students develop musicianship skills through melodic and harmonic dictation, sight singing, and error detection exercises. Writing exercises further emphasize the foundational harmonic and voice-leading procedures of Western art music.

Course No. 3208

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Instructor Approval

Program Eligibility: Oklahoma's Promise (Fine Arts)

Instrumental Music: Instrumental Music is the continuation of the band curriculum at Mustang High School. All students enrolling in Instrumental Music at MHS may choose to audition for participation in the MHS Marching Band. Students selected for the marching band will audition for placement in one of several concert ensembles following the competitive marching season. Participation in the marching band is required for placement in the highest performing concert ensemble (Wind Ensemble). Students not participating in marching band will continue on a course of fundamental exercises and ensemble

skills while performing several concerts in the Fall and Spring semesters. Students must be enrolled in this class to be eligible to audition or any instrumental region or state competitions. Students in this class are required to perform at all football games, all marching contests (marching band only), several evening concerts and other performances and rehearsal events as scheduled in advance by the instructor. Course fees will apply.

Course No. 0526

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Instrumental Music or Instrumental Music (9)

Program Eligibility: Oklahoma's Promise

Applied Music (Instrumental Music): This course is designed to develop the growing instrumental musician, specifically those students who desire to pursue higher education in music beyond high school. Emphasis will be placed on progress and measured individual achievement. Students enrolling in Applied Music will be required to audition for the CODA and All-OkMEA honor bands during the Fall Semester. Students enrolling in the spring will be required to participate in OSSAA Solo and Ensemble music competition at both the regional and state levels. There will be required performances on evenings and weekends as scheduled in advance by the instructor. Audition Fees will apply.

Course No. 0525

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Instructor Approval

Program Eligibility: Oklahoma's Promise

Jazz Band: This course is designed for our students that wish to perform in the MHS Jazz Bands. Time will be spent not only in rehearsing the Jazz Ensemble but also for teaching the techniques of jazz such as improvisation and style. All students who wish to participate in this course must audition for the instrumental music staff for ensemble selection prior to enrollment. We will compete in various jazz festivals around the state as well as in the OSSAA State Jazz Band competition. There will be required performances on evenings

and weekends as scheduled in advance by the instructor. Course Fees will apply.

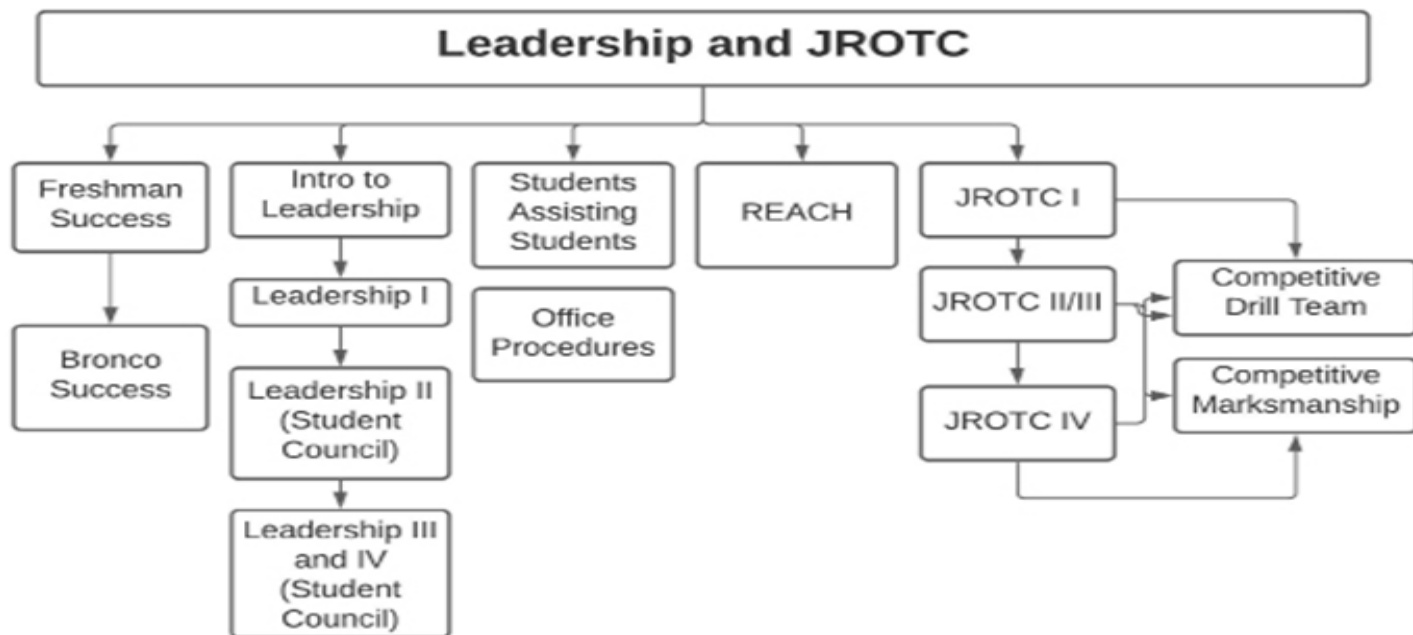
Course No. 0524

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Instructor Approval

Program Eligibility: Oklahoma's Promise



Freshman Success: This course is designed to help students understand the environment and expectations of being a high school student. The curriculum for the course will cover a variety of topics including organizational and time-management skills, collaborative learning, service-learning, goal setting and career exploration.

Course No.3564

Grade Level: 9

Length: Semester

Prerequisite: None

Program Eligibility: None

Bronco Success: This course is designed to help students develop and explore post secondary goals as well as college and career planning. The curriculum for the course will cover a variety of topics including organizational and time-management skills, collaborative learning, service-learning, goal setting and career exploration.

Course No.3539

Grade Level: 11, 12

Length: Semester

Prerequisite: None

Program Eligibility: None

R.E.A.C.H. Mentorship: Reaching Everyone And Cultivating Hope (R.E.A.C.H.) is a mentorship program and elective class for Seniors and Juniors to work with incoming freshmen in an attempt to make the transition from middle school as smooth as possible. Student Leaders will do this through a collaborative orientation in August and various events/activities with freshmen throughout the year. Acceptance into the class will be based on an application and inter- view process each Spring semester.

Course No.3200

Grade Level: 11, 12

Length: Year

Prerequisite: Teacher approval, application

Program Eligibility: None

Intro to Leadership: This course is for one semester as an elective for anyone who is

considering the Leadership courses later on in their high school careers or who want to improve their leadership skills. This course will focus on public speaking skills, leadership styles, group dynamics, decision making skills and visual creations. Class objectives are achieved through in-class projects that may carry over into the school's overall environment. Students will be given the opportunity to participate in community service learning and activities as well.

Course No. 3718

Grade Level: 9, 10

Length of Course: Semester

Prerequisite: None

Leadership I (Student Council): This is a year long course open as an elective for anyone who is a member of an existing club or organization on campus, specifically student council. Class objectives are achieved through in-class projects that may carry over into the school's overall environment. Through their leadership positions, the students will have the opportunity to practice skills learned in class. This class consists of a core curriculum supplemented by group dynamic exercises, visual creations, publicity, ice breaker activities, public speaking, motivation techniques, committee work, journal writing, team building, conflict resolution, leadership styles, parliamentary procedures, and project planning. Students will be required to participate in community service activities outside of school.

Course No. 3577

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Intro to Leadership

Program Eligibility: None

Leadership II (Student Council): Students will take active roles in service to Mustang High School and to the community of Mustang. Students wishing to take Leadership II will have an important role in all MHS activities held by Student Council. This class consists of a core curriculum supplemented by group dynamic exercises, visual creations, publicity, ice breaker activities, public speaking, motivation techniques, committee work, journal writing, team building, conflict resolution, leadership styles, and project planning. Students

are required to be an active member of student council or an officer of another club on campus. Students will be required to participate in community service activities outside of school.

Course No. 0345

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Instructor Approval

Program Eligibility: None

Leadership III (Student Council): Students will take active roles in service to Mustang High School and to the community of Mustang. Students wishing to take Leadership III will have an important role in all MHS activities held by Student Council. This class consists of a core curriculum supplemented by group dynamic exercises, visual creations, publicity, ice breaker activities, public speaking, motivation techniques, committee work, journal writing, team building, conflict resolution, leadership styles, and project planning. Students are required to be an active member of student council or an officer of another club on campus. Students will be required to participate in community service activities outside of school.

Course No. 0376

Grade Level: 10, 11, 12

Length: Year

Prerequisite: Instructor Approval

Program Eligibility: None

Students Assisting Students: Students must obtain an application packet from the instructor prior to enrolling. This course is designed to develop leadership skills and disability awareness through peer tutoring. Applications are available in the counseling office.

Course No. 0727

Grade Level: 11, 12

Length of Course: Semester

Prerequisite: Application

Program Eligibility: None

Office Procedures: This course is designed to allow students an opportunity to assist a specific teacher, administrator or office staff member with daily duties and responsibilities. Students must be in good standing (both academically and discipline) and obtain an application packet from the

counseling office prior to enrolling. Applications are available in the counseling office.

Course No. 0644

Grade Level: 11, 12

Length of Course: Semester/Year

Prerequisite: Application

Program Eligibility: None

Junior ROTC Leadership & Education

Training (LET) I: Students are introduced to the first three JROTC Core Units. Unit 1, Citizenship in Action includes the history, customs, traditions, organization, and purpose of Army Junior ROTC. Unit 2, Leadership Theory and Application students are introduced to basic leadership skills to include leadership principles, values, skills and attributes. Unit 3, Foundations for Success includes oral and written communication skills, conflict resolution, thinking and study skills, diversity and self-awareness training, and financial goal setting. Additional areas of study include first aid, map reading, physical fitness, and history. Students wear the JROTC uniform one day each week. Extracurricular Activities include: Color Guard, Drill, Marksmanship, Saber, Cadet Challenge (physical fitness), Raider Challenge (adventure training), Academic Challenge teams; Annual Military Ball and participating in community parades.

Course No. 0371

Grade level: 9, 10, 11

Length of course: Year

Prerequisite: None

Program Eligibility: None

Junior ROTC Leadership & Education

Training (LET) II/III: Includes classroom and laboratory instruction building on the LET I curriculum while introducing the student to additional areas in the Core Units. Unit 4, Wellness, Fitness, and First Aid contains physical fitness, diet, nutrition, healthy lifestyles and awareness of substance abuse and prevention, and first aid training. Unit 5, Geography and Earth Science includes an overview of geography, map and land navigation skills, and environmental awareness. Unit 6, Citizenship in American History and Government explores the U.S. Constitution, Bill of Rights, responsibilities of U.S.

Citizens, and the federal justice system. Leadership Lab and Service Learning projects are additional content areas. Students wear the JROTC uniform one day each week. Extracurricular Activities are the same as the LET I course. Successful completion of the LET I, II and III courses makes the student eligible for 8 semester hours of college credit through Adams State College (Colorado).

Course No. 0372, 0373

Grades: 10, 11, 12

Length of course: Year

Prerequisite: JROTC LET I

Program Eligibility: None

Junior ROTC Leadership & Education

Training (LET) IV: Fourth year students perform as commanders and staff officers within the JROTC organization. As such, these students are responsible for the daily administration of many areas of the JROTC program. They act as assistant instructors in several subject areas for other the JROTC classes. Students will apply their skills in the areas of leadership, negotiating, decision making, problem solving, presentation skills, conflict management, career and financial planning while continuing to develop their leadership, mentoring and planning skills through the implementation of special unit events such as the annual awards banquet and military ball, field training exercises and extracurricular team preparation for competitions. Extracurricular Activities are the same as the LET I course. Successful completion of LET I through LET IV makes the student eligible for 16 semester hours of college credit through Adams State College (Colorado).

Course No. 0374

Grade level: 12

Length of course: Year

Prerequisite: LET I, II and III courses; Instructor approval.

Competitive Marksmanship: This course is competitive Olympic three position small bore target shooting which requires students to develop precise muscle control, intense concentration, mental and physical stamina, and unwavering emotional control. Students will also become familiar with marksmanship safety. This course will require time spent outside of the regular school

day. This is not a beginning or recreational sport. Students must maintain a passing grade in all other assigned classes, using OSSAA as the academic standard.

Course No. 0369

Grade level: 10, 11, 12

Length of course: Year

Prerequisite: LET I and current enrollment in a LET II, III course & Instructor Approval

Program Eligibility: None

JROTC Competitive Drill Team: JROTC Drill Teams will consist of 12 to 24 students. These teams compete in local and regional Drill Meet competitions where the teams are judged on their precision and attention to detail as they execute a detailed routine. These drill routines normally last 5 to 7 minutes. There are 4 subcategories of drill teams and include Unarmed Regulation, Unarmed Exhibition, Armed Regulation and Armed Exhibition, and in some instances solo competition opportunities may be available. Students enrolled in this class may train to compete on teams in any, or all categories. Students must remain academically eligible to compete on any drill team, using OSSAA as the basis for eligibility.

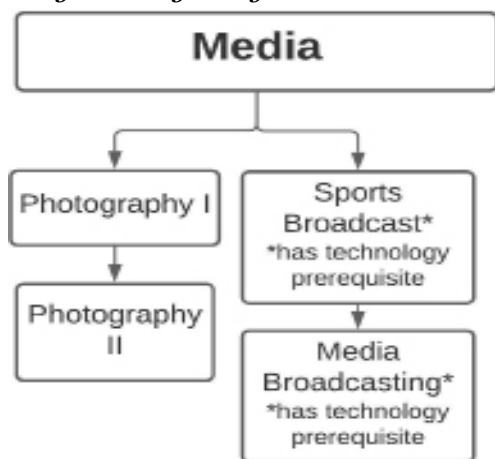
Course No. 0375

Grade level: 10, 11, 12, second semester 9th graders who've been invited to the team by a JROTC Instructor.

Course Length: Year

Prerequisite: Concurrent enrollment in JROTC and Instructor approval

Program Eligibility: None



Photography I: Students will use and maintain modern photographic equipment and learn principles of photographic design and composition.

Students will also learn image editing using Adobe Photoshop and Lightroom and engage in critical analysis of photographs.

Course No. 3870

Grade Level: 9, 10, 11, 12

Length: Semester

Prerequisite: None

Program Eligibility: None

Photography II: This course builds on the fundamentals of Photography I with the application of Photography I skills towards professional scenarios and assignments seen in commercial photography. Students taking this course should have a greater desire to build their understanding and skill set in the field of photography. Students will be expected to commit their time to assignments outside of class. This course emphasizes the use of camera operations including Aperture, Shutter Speed, and ISO while also diving deeper into photo enhancing and manipulating using Adobe Photoshop and Lightroom.

Course No. 0117

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: Photography

Program Eligibility: None

Advanced Photography

Advanced photography is a year long course to continue opportunities for those students who truly desire to build their skill level and experience in photography. Students will be working on personal, as well as instructor assigned projects outside of class and use class time to work on preparing for projects, sorting and editing after photo shoots are complete while building a professional portfolio. Students can re-enroll in this course multiple years.

Course No. 3869

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Photography I & II

Program Eligibility: None

Media Broadcasting: This course will require students to make a commitment of time, talent, and energy. Students enrolled in this class will be responsible for filming and working on events and

activities outside of school. This course will require students to be responsible, self-motivated, task-oriented, and have a strong ability to meet deadlines. Students will be responsible for developing a weekly or bi-weekly news broadcast for the high school and will also be responsible for filming and producing live events, such as school concerts, assemblies and other large events. Students will have access to software programs, such as the Adobe Creative Suite and Apple Final Cut Studio, to utilize skills from Digital Video Editing to produce short news stories for the weekly newscast. Students will also learn the positions in a news broadcast or other live event, such as videographer, editor, technical director, talent, etc. Students and their parents are required to sign a contract for this course. A \$20 course fee will be charged that will cover an SD card for the student's projects.

Course No. 0498

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Video Editing and approval

Program Eligibility: None

Intro To E-Sports: Intro to E-Sports covers the basics of what E-Sports is with assignments designed to be able to be completed by any student.

Course No. 0439

Grade Level: 9

Length of Course: Semester

Prerequisite: None

E-Sports: Esports takes video gaming to another level with organized competitive gameplay between two teams, governed by its own strict set of rules and guidelines. The difference is comparable to a pick-up basketball game at a park versus a varsity high school basketball game. Esports requires teamwork, communication, critical and strategic thinking, creativity, sportsmanship, and leadership — much like traditional sports. Assignments have more rigor. Students are expected to work in groups, find information, write 2 page papers, and present in front of peers.

Course No. 0357

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Required tryout/instructor approval

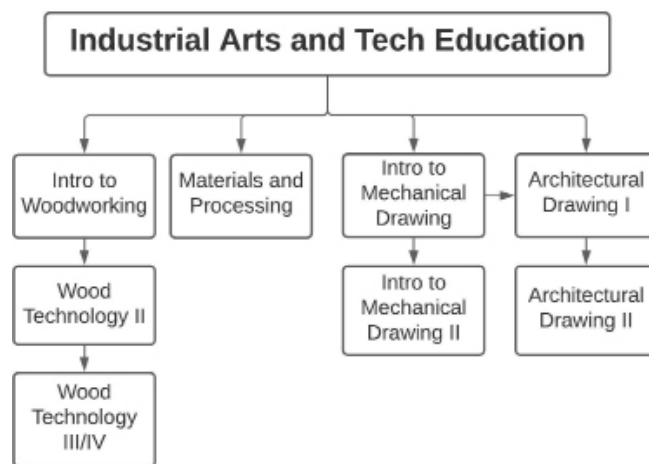
Advanced E-Sports: This course is for the varsity E-Sports team to practice for competition.

Course No. 0441

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Required tryout/instructor approval



Intro to Woodworking: This course consists of woodworking processes. The student will be involved in working with hand tools, safety aspects and basic machine processes. Student fees for project materials.

Course No. 0764

Grade Level: 9, 10, 11

Length of Course: Semester

Prerequisite: None

Program Eligibility: None

Woodworking II: This course will involve the student in advanced machine processes using more complicated and complex safety aspects of working with machines. The student will be responsible for the choosing, building, and funding of a quality woodworking project. Student fees for project materials.

Course No. 0761

Grade Level: 10, 11, 12

Length of Course: Year

Prerequisite: Intro to Woodworking

Program Eligibility: None

Woodworking III-IV: This course will involve the student in the construction of furniture and

cabinet making. Students will have to choose a project, fund it, and build it by the end of the year. Student fees for project materials.

Course No. 0762, 0763

Grade Level: 11, 12

Length of Course: Year

Prerequisite: Woodworking II

Program Eligibility: None

Materials & Processes: This course will further expose the student to the construction of quality craftsmanship projects, as well as concentration on the improvement of the student's fine motor skills. All projects in this production-orientated class are subject to approval by the instructor and may be altered to conform to the skill level of the individual student. Students will be expected to pay for any materials used in projects produced in this course. This course is for the serious craftsman and will require extra time for the average student.

Course No. 0502

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: None

Program Eligibility: None

Intro to Mechanical Drawing: Drafting is a means of communication by instrumental drawings. Students are expected to furnish their materials. The student will receive training in mechanical drawing, which includes the following: multi-view, isometric and section drawing. Students are to furnish their own pencils and erasers.

Course No. 0755

Grade Level: 9, 10, 11

Length of Course: Semester

Prerequisite: None

Program Eligibility: None

Mechanical Drawing II: This course covers advanced concepts, materials, and technical illustrations (ink and air brush renderings). Students are expected to furnish their materials as in Introduction to Mechanical Drawing.

Course No. 0756

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: Intro to Mechanical Drawing

Program Eligibility: None

Architectural Drawing I: Students will design a floor plan and a full set of house plans.

Course No. 0757

Grade Level: 10, 11, 12

Length of Course: Semester

Prerequisite: Intro to Mechanical Drawing

Program Eligibility: None

Architectural Drawing II: This course covers advanced residential and commercially designed drawings and house models.

Course No. 0758

Grade Level: 9, 10, 11, 12

Length of Course: Semester

Prerequisite: Architectural Drawing I

Program Eligibility: None

Physical Education, Health, and Team Sports				
Physical Education	Co-Ed Weight Training	Sports Officiating	First Aid	E-Sports
Outdoor Education	Athletic Training	Sports Medicine	Health	Mindfulness 101
Baseball Girl's Basketball Boy's Basketball Cheer fall sem. Girl's Cross Country all sem. Boy's Cross Country fall sem. Football Senior Football fall sem. Girl's Golf Boy's Golf Pom fall sem. Girl's Soccer spring sem. Off Season Girl's Soccer/Athletics fall sem. Boy's Soccer spring semester Off Season Boy's Soccer/Athletics fall sem. Softball Swimming Girl's Tennis spring sem. Off Season Tennis/Athletics fall sem. Boy's Tennis spring sem. Off Season Tennis/Athletics fall sem. Girl's Track and Field spring sem. Boy's Track and Field spring sem. Volleyball fall sem. Off Season Volleyball/Athletics fall sem. Wrestling				

Physical Education: This program stresses basic skills in various individual and team activities. The majority of time will be spent in developing knowledge and skills in leisure time activities. These activities may include table tennis, soccer, volleyball, bowling, tennis, softball, golf, physical fitness, and aerobic exercises.

Course No. 3089;

Grade Level: 9, 10, 11, 12

Length of Course: Year
Prerequisite: None
Program Eligibility: None

Co-Educational Weight Training: Co-Ed Weight Training is designed to give the student athlete a more competitive edge on the playing field. For the non student athlete this class is designed to help these individuals learn a life- long skill. Students will be properly instructed on 3 Olympic lifts (clean, snatch, and jerk) and 5 power lifts (bench, squat, towel bench, incline, and box squat). Students will also learn various other lifts that will compliment the Olympic and Power lifts. Furthermore, individuals will learn the benefits of proper nutrition. Students must be enrolled in a team or competitive sport in order to be enrolled in this course.

Course No.0900;
Grade Level: 9, 10, 11, 12
Length of Course: Year
Prerequisite: None
Program Eligibility: None

Outdoor Education: Students will meet their physical education needs and have the opportunity to excel throughout a lifetime in the unique sports of archery and fishing. This is part of a national program and the curriculum is provided by the Oklahoma Department of Wildlife. Students will compete in archery contests.

Course No. 0805
Grade Level: 9, 10, 11, 12
Length of Course: Semester
Prerequisite: None
Program Eligibility: None

Sports Medicine: Students who have an interest in sports medicine will have the opportunity to learn about the body, injuries and how to work with athletes to overcome sports-related injuries. Students will also learn first aid and proper nutrition for athletes.

Course No. 0841
Grade Level: 11, 12
Length of Course: Semester
Prerequisite: None
Program Eligibility: None

Sports and Exercise Nutrition:

Course No. 0719
Grade Level: 10,11,12
Length of Course: Semester
Prerequisite: None
Program Eligibility: None

First Aid: This course will help participants identify and eliminate potentially hazardous conditions in their environment, recognize emergencies and make appropriate decisions for first aid care. It teaches the knowledge and skills that individuals will need to know to give immediate care to an ill or injured person until more advanced medical care arrives.

Course No. 5018
Grade Level: 9, 10
Length of Course: Semester
Prerequisite: None
Program Eligibility: None

Health: This is a comprehensive health course consisting of various units including, fitness, nutrition, dangerous dieting, weight control, substance abuse (drugs, alcohol and tobacco), diseases including a sub-unit on heart disease and the cardiovascular system. Students will develop knowledge of emotional and social growth issues with discussions of peer pressure, teen suicide, dating and divorce.

Course No. 3410
Grade Level: 9, 10, 11, 12
Length of Course: Semester
Prerequisite: None
Eligibility: None

Athletic Student Training: Serve as Student Athletic Training Aide through the year. Students will assist the Head Athletic Trainer with the day-to-day operations of the Mustang High School Sports Medicine program and Athletic Training room(s). Requires time spent outside of the regular day with evening and weekend commitments as well. Completion of First-aid, Anatomy and/Physiology recommended.

Course No. 0845, 3576
Grade Level: 10, 11, 12
Length of Course: Year

Prerequisite: Instructor Approval, Approved application

Team Sports

The following will require time spent outside of the regular school day. These sports are competitive, not beginner or recreational activities. Tryouts or coach approval may be required in order to enroll.

Baseball 0829
Girl's Basketball 0803
Boy's Basketball 0823
Cheer 0858
Girl's Cross Country 0806
Boy's Cross Country 0813
Football 0820
Senior Football 0821.
Girl's Golf 0827
Boy's Golf 0826
Pom 0880
Girl's Soccer 0811
Boy's Soccer 0810
Softball 0812
Swimming 3953
Girl's Tennis 0824
Boy's Tennis 0825
Girl's Track and Field 0807
Boy's Track and Field 0815
Volleyball 0804
Wrestling 0817

Internships

Educational Internship I & II: This course is designed to encourage academically able students who possess exemplary leadership and interpersonal skills to consider a career working with children. The class is designed to help students gain insights about teachers and schools so they will become advocates for education. Part of the course curriculum is hands-on experience during school day hours. The class primarily revolves around group presentations, projects, observations, and learning activities as opposed to hands-on paper and pencil learning. Students will attend class one per week and report to their assigned school sites four days per week. Students will produce a portfolio at the conclusion of the

semester. Selection process required through application and interview. Students are responsible for their own transportation to and from their sites. Students will earn 1 full credit each semester upon successful completion of the course.

Course No. 0175, 1089

Grade Level: 11, 12

Length: Semester or Year

Prerequisite: Approved application

Program Eligibility: None

Professional Internship I & II: These courses provide work-based activities in which students engage in learning through practical and relevant experiences at various internship sites. Internships are targeted to the students' meaningful future plans and allow high school students the opportunity to explore careers that require additional degrees, certifications, or on the job training following high school. Students must be capable of assuming a mature professional role in an organization and provide their own transportation. Selection criteria will involve an application process involving teacher recommendation, parental support, attendance and academic record review, interview, and secured mentorship site. Students will earn 1 full credit each semester upon successful completion of the course.

Course No. 0654, 0363

Grade Level: 11, 12

Length: Semester or Year

Prerequisite: Approved application

Program Eligibility: None

Employment Essentials I & II: The work study program is designed for students who are currently employed but do not necessarily have an interest in keeping that particular job as a career. Students earn credit for documenting work hours and engaging in activities that emphasize career planning and life skills.

Course No. 3210, 3211

Grade Level: 11, 12

Length: Semester or Year

Prerequisite: Approved application

Program Eligibility: None

Virtual Core and Elective Classes

English Language Arts

English I VC: This course fulfills the 9th grade English requirement. English I is a year long introductory course studying the writing process, different literary genres, including short stories, novels, poetry, drama, and nonfiction, grammar, and critical thinking skills.

Course Number:

Grade: 9

English II VC: This course fulfills the Oklahoma State 10th grade English requirement. Major emphasis is placed on grammar, essay writing, and the study of literature.

Course Number:

Grade: 10

English III VC: This course fulfills the 11th grade English requirement. Major emphasis is placed on continued essay writing, ACT preparation, research skills and the study of American authors and literature.

Course Number:

Grade: 11

English IV VC: This course fulfills the 12th grade English requirement. Major emphasis on complex writing skills, advanced research techniques, and the study of both classic and contemporary British and Western Literature.

Course Number:

Grade: 12

Mathematics

Algebra I VC: It is the beginning of all high school mathematics classes and a prerequisite for Geometry, the next course in the high school sequence. Topics included in Algebra I are properties of numbers, equations, graphing, and problem solving using the algebraic concepts of the course. Scientific calculators are used regularly.

Course Number:

Grade: 9

Geometry VC: This class is intended for students who are preparing to take Algebra II. This course is a study of trans-formational geometry as it relates

to congruent and similar polygons as well as a study of points, lines, planes, geometric figures and their properties. This course develops a student's ability to reason logically and justify this logical thinking by geometric properties. This course includes formal proofs. The material covered also provides the student with a back-ground in geometric properties used in higher mathematics courses. Scientific calculators are used regularly.

Course Number:

Grade: 9, 10

Prerequisite: Algebra I

Intermediate Algebra VC: This course is intended for students as a bridge course between Geometry and Algebra 2. Course emphasis will be strengthening skills needed to be successful in Algebra 2 or College Algebra including: solving linear & quadratic equations and inequalities, factoring, rationals, linear functions. Seniors who take Intermediate Algebra may need to take a math remediation course in college based on collegiate math placement scores. This course is not college preparatory.

Course Number:

Grade: 11

Prerequisite: Algebra I and Geometry

Algebra II VC: This course is intended for students who plan to attend college following graduation and is the minimum upper level mathematics course required for college admission. Topics in Algebra II build on those from Algebra I and Geometry and include the additional topics of logarithms, rational equations, and complex numbers.

Course Number:

Grade: 11, 12

Prerequisite: Algebra I and Geometry

Algebra III VC: This class is intended for juniors and seniors wanting to improve their ACT score or needing a bridge course between Algebra 2 and other upper level mathematics courses. The Algebra 3 course covers the content of College Algebra, which includes functions and their graphs, quadratics and higher degree polynomials, equations and systems of equations, exponential functions and logarithms. A unit covering

introductory trigonometric concepts will be included. A scientific calculator is used daily in this course and a graphing calculator is highly recommended.

Course Number:

Grade: 11, 12

Prerequisite: Algebra II

Sciences

Biology VC: This is an introductory course that deals with the study of life and the living things around you. Topics include Energy and Matter, Ecology, Natural Selection, Molecular Biology, and Genetics. Virtual Labs are required.

Course Number:

Grade: 9

Physical Science VC: Physical Science is a laboratory science course that explains relationships between matter and energy. Students will investigate Physical Science concepts through extensive virtual lab work, student-centered activities, real life applications, utilizing the scientific method, and other hands-on learning. The student will gain valuable knowledge and skills needed to be successful in future Chemistry and Physics courses.

Course Number:

Grade: 10

Prerequisite: Biology

Chemistry VC: This course is a mathematics based physical science which is college preparatory in nature. Virtual Lab work will accompany studied topics. Course includes a study of measurement, atomic structure, periodic law, chemical bonding, equations, mass relationships and gas laws. It is recommended students should have earned a “C” or better in Algebra.

Course Number:

Grade: 10, 11, 12

Prerequisite: Biology

Botany/ Zoology VC: This course is college prep in nature. It is an introduction to the plant and animal kingdoms. Virtual Labs and dissection are required and will accompany studied topics. A leaf

collection is required for botany and an individual project or research paper for zoology.

Course Number:

Grade: 11, 12

Prerequisite: Biology

Anatomy & Physiology VC: This course is an in-depth and intense study of the human body designed to equip the student to be a knowledgeable consumer of the medical professions. Each unit covers structure, function, and associated diseases, causes and cures relating to each system. Virtual Labs are required.

Course Number:

Grade: 11, 12

Prerequisite: Biology

Earth Science VC: Students enrolled in this dynamic course explore the scope of Earth sciences, covering every- thing from basic structure and rock formation to the in- credible and volatile forces that have shaped and changed our planet. As climate change and energy conservation be- come increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

Course Number:

Grade: 11, 12

Prerequisite: Biology

Environmental Science VC: The curriculum emphasizes the principles and process involved in conserving and/or improving natural resources such as air, water, land, wildlife habitat, forestry, and energy for economic and recreation- al purposes. Competencies also include the establishment, management and operation of land for recreational purposes.

Course Number:

Grade: 11, 12

Prerequisite: Biology

Social Studies

Oklahoma History VC: Included in the course are the following areas: Spanish and French exploration, the Five Civilized Tribes, the Trail of Tears, Oklahoma as Indian Territory, the Civil War in Oklahoma, the development of Oklahoma Territory, statehood and after.

Course Number:

Grade: 9

World History VC: This course deals with the social, political, and economic progress of mankind from the Renaissance to the Modern Era. The Protestant Reformation, Imperialism, the Industrial Revolution, and various European conflicts will be emphasized.

Course Number:

Grade: 10

US History VC: This history course includes the social, economic, and political development of the United States from Reconstruction to the present day. Major emphasis is placed on World War I, the Great Depression, World War II, and the expansion of the United States' influence in the modern world.

Course Number:

Grade: 11

American Government VC: This is a study of the developing principles, structure, and functions of the United States federal government. It covers the origin of our Constitution, and concentrated study of the judicial, executive, and legislative branches of state and local government.

Course Number:

Grade: 12

Personal Financial Literacy VC: This course will introduce many areas that will help enhance financial security: understanding ways to maximize one's earnings potential, developing strategies for managing financial resources, exploring skills for the wise use of credit and discovering ways to manage risk are some of the topics that will be covered. Students will complete the personal financial literacy standards required for graduation through the completion of this course.

Course Number:

Grade: 11, 12

Computer Technology

****Parents & Students please be aware that some computer technology courses offered may require specific software that is not provided by Mustang Schools or the use of a desktop computer is needed.**

Computer Applications VC: This introductory computer course will provide students with a basic understanding of computer systems and a variety of software, as well as improved keyboarding skills. Students will learn computer terminology, file organization, proper document formatting, appropriate use of the internet for research, email etiquette, operation of Microsoft Windows, and an overview of Microsoft Office Word, Excel, and PowerPoint.

Fundamentals of Computer Systems VC:

Fundamentals of Computer Systems is a course that provides students with an understanding of computers and how they operate as well as a basic understanding of how to manage and maintain computers and computer systems. These skills provide students with the ability to configure computers and solve computer problems. Students learn details about the different elements of computers and computer systems, how to identify hardware devices and their functions, the role of operating systems as well as how to install and customize Windows operating systems. Students also learn about networking and the Internet, security issues, and current software applications, such as Microsoft® Office. In addition, students learn specifics about maintaining and troubleshooting computers, including managing files, backing up systems, and using the administrative tools in Windows operating system. Lastly, students learn the basics of customer service and working as a help desk support technician.

Business Computer Information Systems

VC: Business Computer Information Systems is a year-long course that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas: communication, business technology, word processing, spreadsheet, and database applications, telecommunications,

desktop publishing, and presentation technology, computer networks, and computer operating systems.

Fundamentals of Programming & Software

VC: This semester-long course provides students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations. Students learn details about core concepts in programming using Java, writing and debugging code, proper syntax, flow of control, order of operations, comparison operators, and program logic tools and models. Students learn the function of key program techniques including if statements, looping, and arrays, as well as web development using HTML and drag-and-drop development of user interfaces in an integrated development environment. Students explore the software development life cycle and different variations used to create software.

Parents: This course does require JAVA Software & other special programs installed so maybe this is not an option for your student.

Computer Science VC : Introduction to Computer Science is a year-long course designed for students in grades 9-10, although any students across 9-12 may enroll. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students have creative, hands-on learning opportunities to create a computer program, develop a web page, design a mobile app, write algorithms, and collaborate with peers while building a strong foundational knowledge base. This course provides a solid foundation for more advanced study as well as practical skills they can use immediately.

Required Materials: Activities in this course require that Python is installed on personal computers, software not provided by the school.

Introduction to Coding VC: Intro to Coding covers a basic introduction to the principles of

programming, including algorithms and logic. Students engage in hands-on programming tasks in the Python programming language as they write and test their own code using the approaches real programmers use in the field. Students will program with variables, functions and arguments, and lists and loops, providing a solid foundation for more advanced study as well as practical skills they can use immediately.

Introduction to Information Technology VC:

This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.

Science Electives

Health Science Concepts VC: This year-long course introduces high school students to the fundamental concepts of anatomy and physiology—including the organization of the body, cellular functions, and the chemistry of life. As they progress through each unit, students learn about the major body systems, common diseases and disorders, and the career specialties associated with each system. Students investigate basic medical terminology as well as human reproduction and development. Students are introduced to these fundamental health science concepts through direct instruction, interactive tasks, and practice assignments. This course is intended to provide students with a strong base of core knowledge and skills that can be used in a variety of health science career pathways.

Medical Terminology VC: This course introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course allows students to achieve

comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology and pathology.

Social Studies Electives

Geography VC: Physical geography is the study of the earth's dynamic systems: its air, water, weather climate, landforms, rocks, soils, plants, ecosystems and biomes and how humans interact with the earth's systems. Physical geography is the study of the world around you. It will help you to understand why San Francisco is always cold and foggy, why we have earthquakes, and what causes seasons. Every- one, every day, interacts with the earth's dynamic systems. This class is an exploration of the complex, and exciting world in which you live!

Economics VC: This course is designed to help you understand key economic principles and show you those principles in action in the real world. Economics is the study of the choices and decisions people make about how to use the world's resources. It is aimed at the student wanting to understand the problems within the economy and how that affects the political world. Several of the topics discussed will be supply and demand, world trade and markets, government deficits and the effects on the economy, savings and credit and the effects within the economy, and stock markets.

Sociology VC: This course attempts to explain people's reactions and responses to their environment as expressed through their social relationships. Students investigate crime, juvenile delinquency, minority groups, prejudice, aging, marriage, and comparative cultures of the world.

Psychology VC: Psychology is the scientific study of behavior. This course examines such ideas as personality, personality theories, sensations and perceptions, defense mechanisms, attitudes and beliefs, family environment, hereditary concepts, and thinking and problem solving techniques. This course is designed to help the student to understand behavior, behavior disorders, and treatment of behavior disorders.

Language Arts Electives

Expository Reading & Writing VC: This course is de- signed to develop critical reading and writing skills while preparing high school students to meet the demands of college level coursework. While students will explore some critical reading skills in fiction, poetry, and drama the focus of this course will be on expository and persuasive texts and the analytical reading skills that are necessary for college success.

Introduction to Communications and Speech VC: Students will be guided through engaging lectures and interactive activities, exploring themes of self awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.

Strategies for Effective Learning VC: Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

Engineering Electives

Engineering and Design VC: This semester-long course focuses on building real-world problem solving and critical thinking skills as students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering

design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.

Engineering and Product Development VC:

This semester-long course provides an overview of the concepts of product engineering and development. Students analyze the life cycle of a product to prepare a product for distribution and for target markets. The course begins with building an understanding of the product life cycle, from the initial idea to drafting requirements to using 3-D modeling tools and other design tools. The final unit focuses on assembling the pieces within a project plan to achieve a product and evaluating the plans for a successful product launch. In addition, the course provides information about the different careers available to students interested in engineering, product development, and project management.

Prerequisite: Engineering and Design

Fine Arts Electives

Introduction to Art VC: Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

Art History VC: Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-

century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth and nineteenth century art in Europe and the Americas; and modern art in Europe and the Americas.

Business Electives

Introduction to Business VC: In this introductory course, students learn the principles of business using real-world examples—learning what it takes to plan and launch a product or service in today's fast paced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

Business Law VC: This semester-long high school course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Students are then introduced to the types of businesses that can be created as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated are reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts are discussed to get a better sense of what it means to “go global” with a business. Dispute resolution strategies are also addressed.

Career Exploration: Finance VC: Introduction to Careers in Finance is a semester-long course that provides the fundamentals of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers. Course units address a broad set of services in the industry including finance overview, financial services, securities analysis, investments, principles

of corporate finance, banking services, risk management, and insurance.

Health & Fitness Electives

Health and Safety VC: Health, Safety, and Ethics in the Health Environment is a course that focuses on healthcare safety, health maintenance practices, environmental safety processes and procedures, and ethical and legal responsibilities. It also reinforces, expands, and enhances biology content specific to diseases and disorders. Students participate in Virtual project- and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills. Students develop basic technical skills required for all health career specialties including understanding occupational safety techniques.

Healthy Living VC: Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, this course is a one-semester course that provides students with comprehensive information they can use to develop healthy attitudes and behavior patterns. Designed for high school students, this informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors to reduce risks.

Lifetime Fitness VC: Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness. Throughout this one-semester course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.

Career Explorations

Career Exploration: Animal Systems VC:

Animal Systems is a semester-long high school course that provides students with a wealth of information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, veterinary practice, and innovations in food production. Changes in practices, regulations, and legislation for animal welfare continue as new research provides solutions to medical, ethical, and practical concerns. The course reviews current topics, such as advancements in technology and research, and defines areas of discussion while maintaining focus on best-management practices. A student might use the knowledge gained from the course to further an interest in becoming a chef, researcher, doctor, wildlife-management professional, or any number of applicable careers.

Career Exploration: Banking VC:

Banking Services Careers is a semester-long high school course that provides an overview of how the banking system works, what the Federal Reserve is, and the technical and social skills needed to work in banking and related services. Students explore career paths and the required training or higher education necessary and gain an understanding of the basic functions of customer transactions (e.g., setting up an account, processing a loan, establishing a business), cash drawer activity, check collection processes, and other customer service-related transactions. This course also discusses how technology has changed banking in the 21st century. The banking industry is responsible for many of the products that we use on a daily basis, from checking and savings accounts to debit cards, credit cards, and loans.

Career Exploration: Digital Media VC:

Fundamentals of Digital Media is a semester-long course that presents high school students an overview of the different types of digital media and how they are used in the world today. This course examines the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces several different career paths related to digital media. Students learn about the tools used as well as best practices employed for creating

digital media. In the course, students explore topics such as the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students also review the ethics and laws that impact digital media use or creation.

Career Exploration: Forensic Science VC:

Using Science to Solve a Mystery is a semester-long high school course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law. Projects in this course include virtual activities for simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case. The focus of this course is to assist students in making career choices. The overview of careers includes job descriptions and availability, educational and training requirements, licensing and Edgenuity Course, Career and Technical Education Courses certification, and typical annual salaries. Students who take this class will become equipped to make more informed career choices regarding the forensic, computer science and medical science fields. At the same time, students will survey the history and scope of present-day forensic science work.

Career Exploration: Marketing VC:

Marketing research is the foundation of all marketing activities because it provides the data needed to make key strategic decisions about products, promotions, pricing, and other key organizational decisions. Careers in Marketing Research is a semester-long high school course that provides information about the process of investigation and problem analysis by using research to produce key marketing statistics that are communicated to management and used throughout the organization. This course concludes with the execution, interpretation, and presentation of marketing research.

Career Exploration: Social Services VC:

Family and Community Services introduces

applications within professions related to family and community services. Students identify degree and credential requirements for occupations in this pathway and identify individual, social, historical, economic, and cultural context to increase awareness of family and community services. Students develop the abilities necessary to evaluate and identify a range of effective communication strategies and skills for establishing a collaborative relationship with others. Students also complete a variety of projects to apply their skills and knowledge. Units are divided among career fields: Social Workers, Emergency Management and Planners, Therapists and Treatment Specialists, Education and Childcare.

Career Exploration: Teaching VC:

Teaching and Training Careers is a course that introduces students to the art and science of teaching. It provides a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. In five units of study, lessons, and projects, students engage with the material through in-depth exploration and hands-on learning, to prepare them for teaching and training careers. Students are given many opportunities to be the teacher or trainer, and to explore the tasks, requirements, teaching strategies, and research based methods that are effective and high-quality.

Career Exploration: Fire & Emergency

Services VC: Emergency and fire-management services are essential infrastructure components of a community. Fire and Emergency Services is a semester-long course that provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements. The vehicles, equipment, and emergency-mitigations strategies that are commonly used in the emergency- and fire-management field are also explored. Students gain an understanding of the goals of an emergency-management service and how they are implemented and managed, including personnel, budget, and labor-management challenges in the organization. Various preparedness plans are discussed as students explore typical characteristics

and frameworks of modern emergency and fire-management organizations.

Career Exploration: Legal Services VC: Legal Services is a course that provides students with an overview of the system of laws in the United States, the practice areas, and career options in the field. Students learn about how the legal system operates, the consequences to those who commit crimes, and how disputes are settled, as well as how criminal and civil cases reach court and are resolved. Students learn about the courtroom and the basics of a typical court case. Students explore constitutional rights and legal safeguards, types of evidence, as well as how technology has changed the practice of law. They also learn about legal education and various careers in the legal field.

Career Exploration: Security & Protective Services VC: Security and Protective Services is a course that offers an overview of the security and protective services industry. Students will understand different types of security services and how they relate to one another. The distinction between the criminal justice system within the public sector and private security is addressed. The course begins with an introduction to the history of private security, with subsequent units focusing on a specific sector. The concluding unit focuses on the emerging challenges facing security services in the twenty-first century, including international terrorism. In addition, the course provides information about many different careers that are available to students who are interested in security and protective services.

Career Exploration: Nursing VC: Nursing: Unlimited Possibilities and Unlimited Potential provides opportunities to compare and contrast the various academic and clinical training pathways to an entry level position in nursing and to explore the growing number of opportunities for professional advancement given the proper preparation and experience. In this semester-long course, students have several opportunities to learn about the expanding scope of professional practice for registered nurses and better understand the important changes proposed in the education and ongoing professional development of nurses.

Career Exploration: Physician VC: Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors focuses on preparation for physician-level careers, including dental, veterinary and pharmaceutical, along with a look into the physician assistant and alternative medicine systems. This semester-long course also introduces the topics of diversity and the move toward social and cultural skills in medicine, in addition to academic ability. This course focuses on the preparation for entry to practice, along with navigating the field once you are in it (working as part of a team, dealing with patients, etc.). Students choose their career path by studying different roles, responsibilities, settings, education needs, and amounts of patient contact. Degree and training requirements, working environment, salaries, and the day in the life of that career is also covered in this course. Students explore important aspects that are applicable to the entire health field, such as behaving ethically, keeping patients safe

Career Exploration: Therapeutics VC: Therapeutics: The Art of Restoring and Maintaining Wellness is a course that focuses on careers that help restore and maintain mobility and physical and mental health, such as physical therapists, physical therapy assistants, occupational therapists, athletic trainers, massage therapists, dieticians and dietetic technicians, art therapists, neurotherapists, vocational rehabilitation counselors, and registered dental hygienists. Each career is explored in depth, examining typical job duties, educational and licensure requirements, working conditions, average salary, and job outlook. Key concepts and specific skill sets are introduced in the lessons, allowing students to apply what they have learned to health careers. This course is important because skilled health care workers are in high demand and expected to remain so for the foreseeable future.

Career Exploration: Public Health VC: Public Health: Discovering the Big Picture in HealthCare is a course that discusses the multiple definitions of public health and the ways these definitions are put into practice. The five core disciplines and ways they interact to reduce disease, injury and death in populations is explored. Career and Technical

Education Courses: Understanding the roles of public health, students gain a greater appreciation for its importance and the various occupations one could pursue within the field of public health. Students explore the history, nature and context of the public health system. Students also learn how to promote public health, and how to coordinate a response to a public health emergency. Students explore how diseases spread and learn about the roles of the Centers for Disease Control and the World Health Organization. By entering the field of public health, students play an integral part in improving the health and lives of many people.