

# Mustang High School

## 2022-2023 Course Guide



*“Empowering today to achieve a better tomorrow”*

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## Principals

9th - Kaitlin Hensley & Cody Little  
10th - Chad Harper & Renee' Boatman  
11th - Danny Brown  
12th - Craig Chestnut  
Academic Principal - Melanie Hix  
Student Assistance Principal - Keli Wilkie  
Head Principal - Kathy Knowles

## Counselors

9th Counselors  
Alecia Day (A-K)  
Ralph Chappell (L-Z)  
  
10-12th Counselors  
Carie Allen (A-C)  
Stephanie Fugate (D-Hi)  
Erica Vancleave (Ho-Mi)  
Mariah Baker (Mo-Sa)  
Jason Limke (Sc-Z)

## 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](http://www.actstudent.org)

SAT – [www.collegeboard.org](http://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>.

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 approved GPA. Go to [www.ncaa.org](http://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 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 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 (Math of Finance does not count for Acad. Ach. Award)
- Social Studies 3 Units/Credits
- Foreign Language 2 Units in same language or Approved 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 By-laws. 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
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#### 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 (2)^

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

### Additional Requirements

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

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

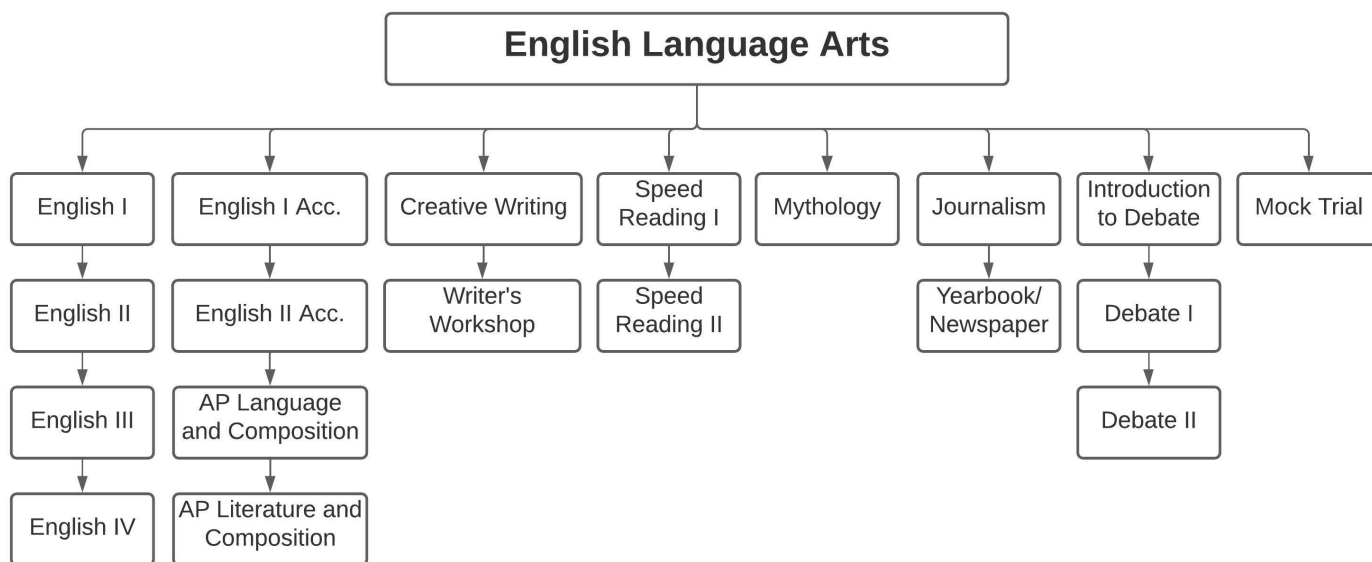
*\*class does not count towards College Prep requirements but does count for core curriculum-may be a required bridge class*

*^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; OCAS 4045    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; OCAS 4045    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; OCAS 4048    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; OCAS 4048    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; OCAS 4051    Grade Level: 11*  
*Length of Course: Year    Prerequisite: None*  
*Program Eligibility: Oklahoma's Promise, NCAA*

 **AP Language & Composition:** This course, the equivalent of a second semester freshman college composition course, focuses on the language and argument and author's use of rhetorical devices to develop and enhance the text. Summer reading is required.

*Course No. 0113; OCAS 4057    Grade Level: 11, 12*  
*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; OCAS 4054    Grade Level: 12*  
*Length of Course: Year    Prerequisite: None*  
*Program Eligibility: Oklahoma's Promise, NCAA*

 **AP 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 Examina-

tion. Summer reading is required.

*Course No. 0114; OCAS 4010      Grade Level: 11,12*  
*Length of Course: Year              Prerequisite: None*  
*Program Eligibility: Oklahoma's Promise, NCAA*

**Reading:** This course is beneficial for students who did not score Basic on the 8th grade Reading OCCT. This year-long course is for students who have experienced reading difficulties, testing difficulties, and/or seldom read for pleasure. The emphasis will be the improvement in reading comprehension, vocabulary acquisition, critical thinking skills, multimodal tasks skills, organization strategies, research strategies, and test-taking strategies.

*Course No. 0142; OCAS 4210              Grade Level: 9*  
*Length of Course: Semester/Year      Prerequisite: None*  
*Program Eligibility: None*

**Speed Reading I (Fall Semester):** Recommended as a college preparatory experience, the course is ideal for students wanting to increase exposure to literature, improve vocabulary skills, and refine comprehension skills. Exploring six to eight contemporary pieces addressing specific mature adult content, the student will develop the skills to practice in-depth analysis of the literary craft. Throughout the semester, the ultimate goal of the course is to generate the pure thrill of reading.

*Course No. 0144; OCAS 4210      Grade Level: 11 and 12*  
*Length of Course: Semester      Prerequisite: None*  
*Program Eligibility: None*

**Speed Reading II (Spring Semester):** Recommended as a college preparatory experience, the course is ideal for students wanting to increase exposure to literature, improve vocabulary skills, and refine comprehension skills. Exploring six to eight contemporary pieces addressing specific mature adult content, the student will develop the skills to practice in-depth analysis of the literary craft. Throughout the semester, the ultimate goal of the course is to generate the pure thrill of reading.

*Course No. 0147; OCAS 4210      Grade Level: 11, 12*  
*Length of Course: Semester      Prerequisite: None*  
*Program Eligibility: None*

**Creative Writing:** This course is designed for students who enjoy writing and who wish to improve their talents. course-work includes personal narrative writing in conjunction with specific techniques for improving writing style. Short story and poetry writing will also be emphasized. *Course No. 0120; OCAS 4301              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 sub-

jects. 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; OCAS 4301      Grade Level: 9,10, 11,12*  
*Length of Course: semester      Prereq: Creative Writing*  
*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; OCAS 4066      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; OCAS 4111      Grade Level: 9, 10, 11, 12*  
*Length of Course: Year              Prerequisite: None*  
*Program Eligibility: NCAA*

**Newspaper:** This course is offered to students who qualify to be on the newspaper staff. Students in this class will work to develop, create and produce a quality monthly newspaper. Student and parent will sign a contract for this class.

*Course No. 0116; OCAS 4150      Grade Level: 10,11,12*  
*Length of Course: Year              Prerequisite: Journalism I*  
*and Instructor Approval          Program Eligibility: None*

**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; OCAS 4240      Grade Level: 10, 11, 12*  
*Length of Course: Year              Prerequisite: Journalism I*  
*and Instructor Approval          Program Eligibility: None*

**Introduction to Debate:** 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 two 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.

Attendance of one OSSAA Speech & Debate tournament and participation in multiple in-class debates are mandatory.  
*Course No. 3096; OCAS 4015      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; OCAS4015      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 a class debates are mandatory. Course

fee is \$25 for tournament entry fees.

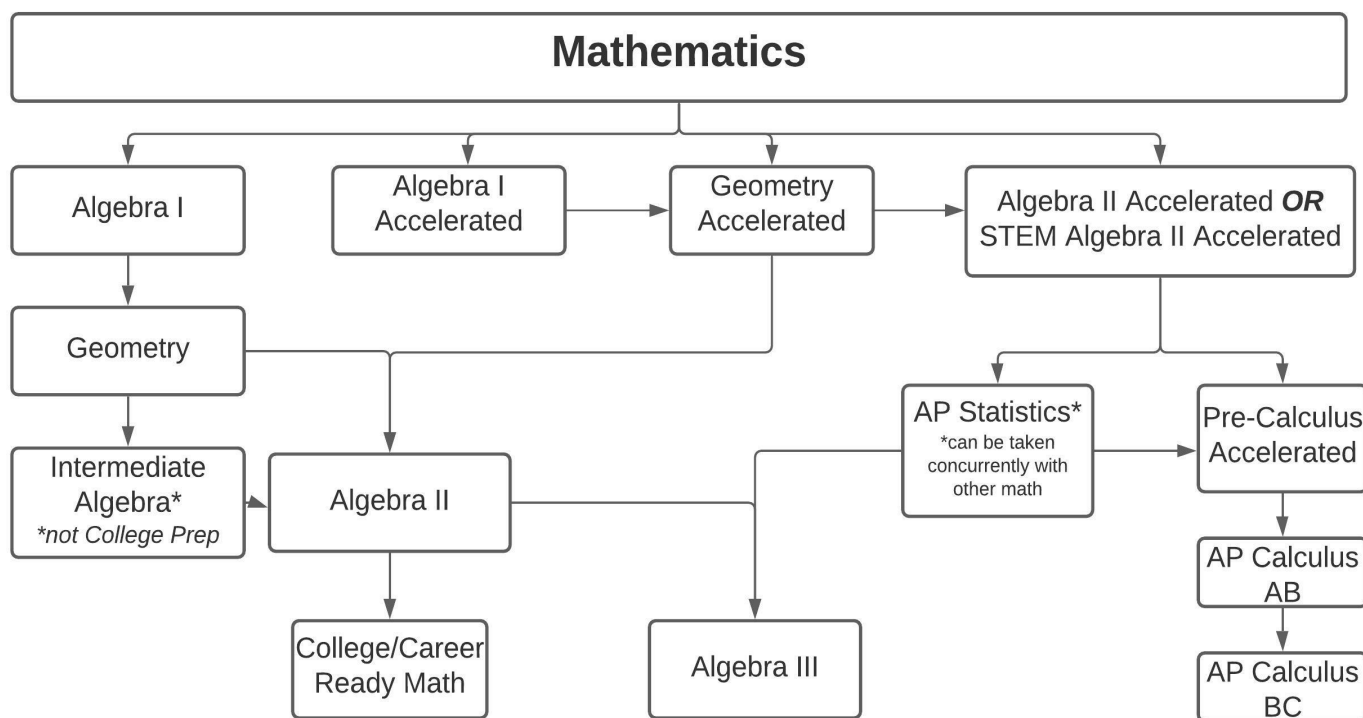
*Course No. 0132; OCAS 4222      Grade Level: 10, 11, 12*  
*Length of Course: Year      Prerequisite: Debate I and instructor approval*  
*Program Eligibility:*

**Mock Trial:** Students will develop public speaking skills, encourages 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; OCAS 2750      Grade Level: 10,11,12*  
*Length of Course: Year      Prerequisite: None*  
*Program Eligibility: None*

**ACT Prep Course:** This course is designed to be an interactive, action-packed and individualized learning experience. It contains extensive lessons on all English, Math, Reading, and Science skills tested on the ACT. Students will thoroughly study general test taking tips and strategies for mastering each section of the ACT. Students will drill on content through the use of structured activities, lessons, worksheet and peer - teaching exercises. Students who enroll in this course should plan on taking the ACT test during the semester.

*Course No. 4008; OCAS 2740      Grade Level: 10, 11, 12*  
*Length of Course: Semester      Prerequisite: enrolled in Alg II/above*  
*Program Eligibility: None*



**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. Sci-Mustang High School

entific calculators are used regularly.

*Course No. 0205; OCAS 4411      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 number 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; OCAS 4411    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; OCAS 4530    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; OCAS 4530    Grade level: 9, 10*  
*Length of Course: full 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; OCAS 4418    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-Inspire CAS or the TI-89 in this class.  
*Course No. 0207; OCAS 4412    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; OCAS 4412    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; OCAS 4412    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; OCAS 4760    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, OCAS 4413    Grade Level: 11, 12*  
*Length: 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-Inspire CAS or the TI-89 in this class.

*Course No. 0438; OCAS 4611    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; OCAS 4615    Grade Level: 11, 12*  
*Length: Year                      Prerequisite PreCalculus Acc*  
*Program Eligibility: Oklahoma's Promise, NCAA*

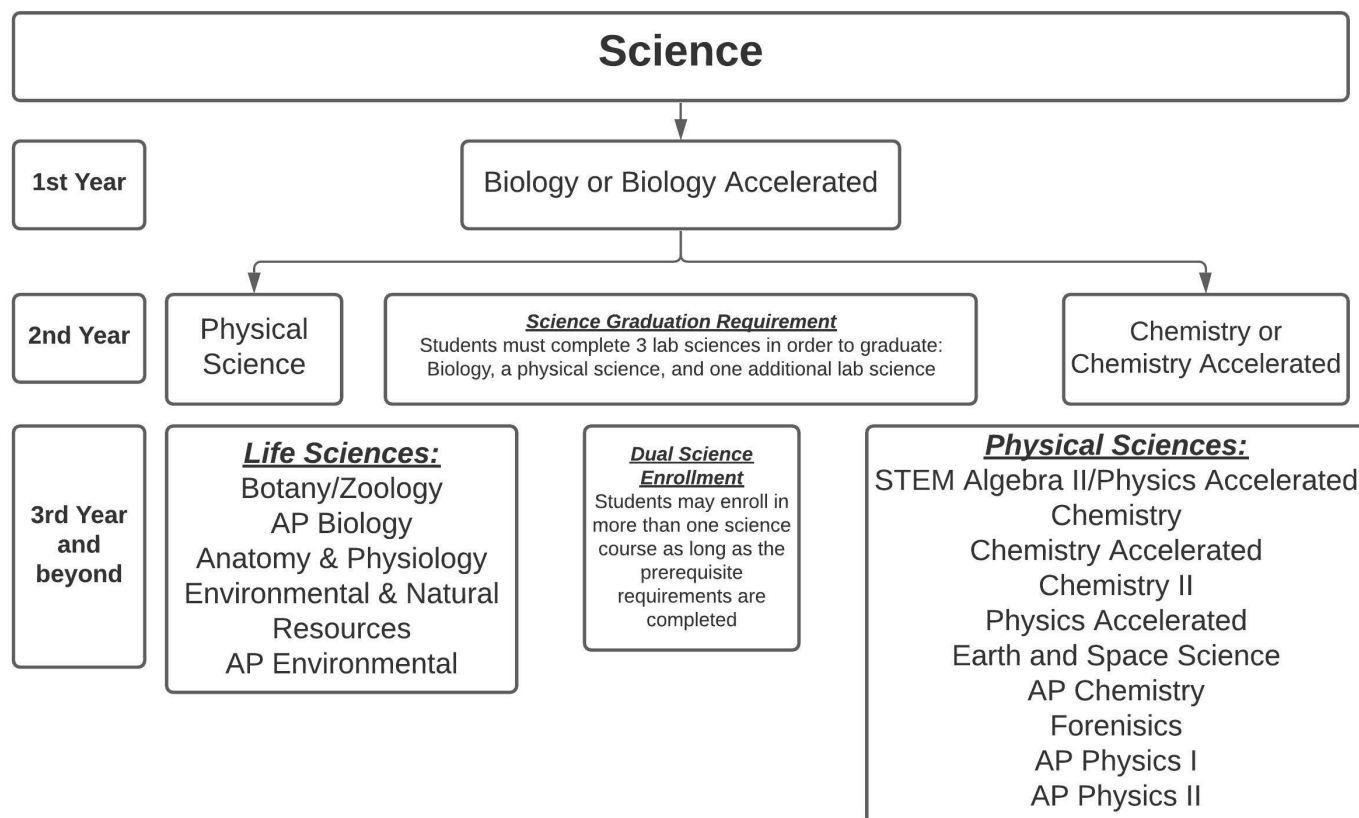


**AP Calculus BC:** This course is intended for students who are planning to major in fields of mathematics or science including engineering, medicine, physics, and other related and interrelated fields of study. AP Calculus BC is a fast-paced rigorous course that covers two college semesters of Calculus 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; OCAS 4616    Grade Level: 11, 12*  
*Length: Year                      Prerequisite: AP Calculus AB*  
*Program Eligibility: Oklahoma's Promise, NCAA*

**College and Career Ready Math:** This course is recommended for students that have a Math ACT score of 16-19. College and Career Math Ready is designed for high school seniors who have completed Algebra I, Geometry, and Algebra II and need a transition course to get them ready for college-level coursework. The course emphasizes understanding of mathematics concepts rather than memorizing procedures. By engaging students in real-world applications, College Career Math Ready develops critical-thinking skills that students will use in college and their careers.

*Course No. 3063; OCAS 4550    Grade Level: 12*  
*Length: Year                      Prerequisite: Algebra II*  
*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; OCAS 5031 Grade Level: 9  
Length of Course: Year Prerequisite: None  
Program Eligibility: Oklahoma's Promise, NCAA

**Biology Accelerated:** This course is designed as a pre-requisite 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; OCAS 5031 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; 5160 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; OCAS 5051 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 pre-requisite 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; OCAS 5051 Grade Level: 10, 11, 12



*Length of Course: Year      Prerequisite: Biology*  
*Program Eligibility: Oklahoma's Promise, NCAA*

**Botany/ Zoology:** This course is college prep in nature. It is an introduction to the plant and animal kingdoms. Lab 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 No. 0443; OCAS 5040      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; OCAS 5220      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, drugs, soil and blood. The history of forensic science and the agencies and labs that offer forensic services as well as careers in forensic science will be studied. Second semester topics will consist of exploring forensic anthropology and odontology (dentistry); chemical analysis for substance identification; forensic entomology; autopsies; soils; ballistics and firearms; and further exploration into forensic science careers.

*Course No. 0490; OCAS 5334      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. 0000; OCAS 5061      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 in-

*Mustang High School*

clude the establishment, management and operation of land for recreational purposes.

*Course No. 0627; OCAS 5120      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 include: solutions, ionization, acids, bases and redox reactions.

*Course No. 0421; OCAS 5052      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 Accelerated:** Designed as an introductory physics course which will focus primarily on the topics covered in a first semester college physics course (Motion, velocity, acceleration, forces, work, and energy). 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. 0463; OCAS 5211      Grade Level: 10, 11, 12*  
*Length of Course: Year      Prerequisite: Algebra II or concurrent enrollment in Algebra II*  
*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; OCAS 4412      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; OCAS 5035      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; OCAS 5055*      *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*

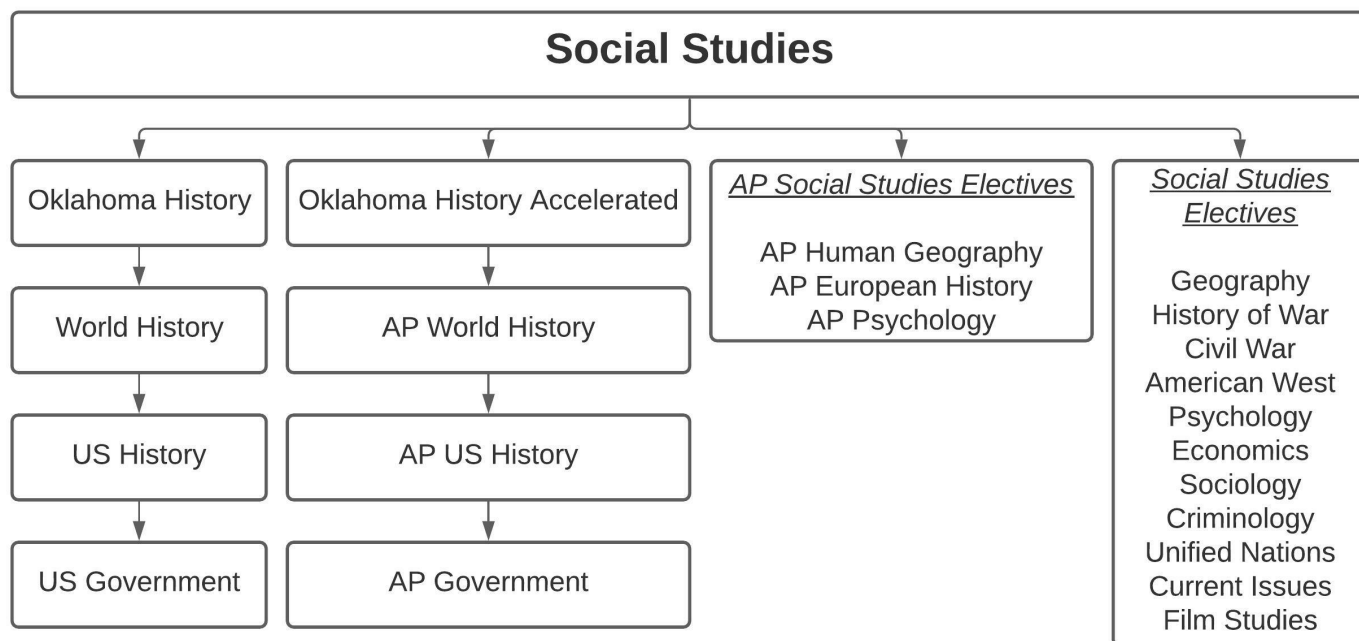
 **AP Physics I:** This course is equivalent to College Physics I (semester I). It will cover kinematics, Newton's laws of motion, Work, Energy, Power, momentum, rotation, oscillations, and gravitation. Strong algebraic word problem solving, and critical thinking skills are required daily. Students will 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. ???*      *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. ???*      *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: 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 No. 0300; OCAS 5615    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; OCAS 5615    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; OCAS 5731    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 histo-

rians: 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; OCAS 5736    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; OCAS 5410    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; OCAS 5415    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; OCAS 5541    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; OCAS 5546    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; OCAS 5790    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; OCAS 5735    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; OCAS 5645    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; OCAS 5510    Grade Level: 10, 11, 12*  
*Length of Course: Semester      Prerequisite: None*  
*Program Eligibility: NCAA*

**Economics:** 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.

*Course No. 0355; OCAS 5521    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; OCAS 5720    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; OCAS 5641    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; OCAS 5780    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; OCAS 7841    Grade Level: 9, 10, 11, 12*

*Length of Course: Semester    Prerequisite: None*

*Program Eligibility: Oklahoma's Promise ; NCAA*

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; OCAS 5789    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; OCAS 5530    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; OCAS 5755    Grade Level: 10, 11, 12*

*Length of Course: Semester    Prerequisite: None*

*Program Eligibility: None*

**Film Studies:** This courses is intended to familiarize students with the particulars of film history as well as provide them with the skills to analyze film as a visual art form. This class will explore world cultures and social history through the medium of film and other mediums of mass culture. Students will view a variety of films arranged in chronological order focusing on important eras in world history.

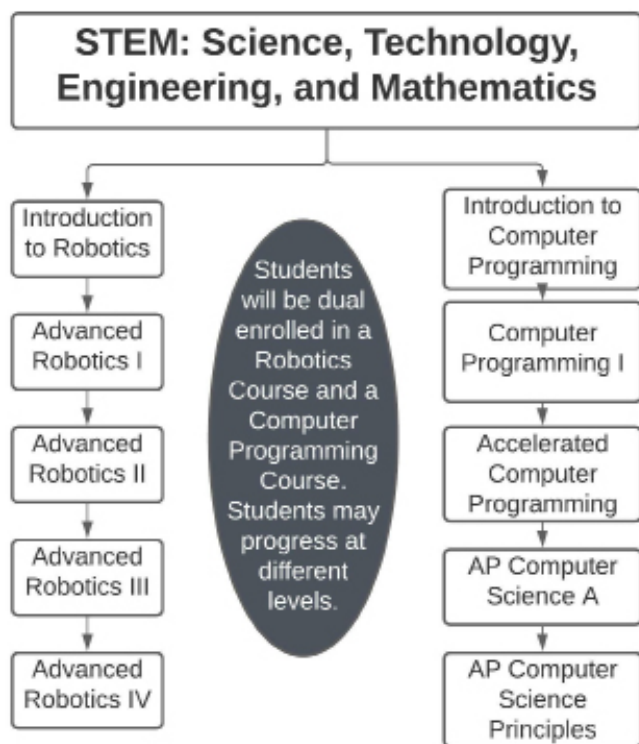
*Course No. 3051; OCAS 2951    Grade Level: 11, 12*

*Length of Course: Semester    Prerequisite: None*

*Program Eligibility: None*

**History of War:** This course will examine the broad sweep  
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**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; OCAS 8827    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; OCAS 8860    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; OCAS 8827    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; OCAS 8833    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; OCAS 8826    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; OCAS 8866    Grade Level: 12*  
*Course Length: Year    Prereq: 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; OCAS 8860 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.

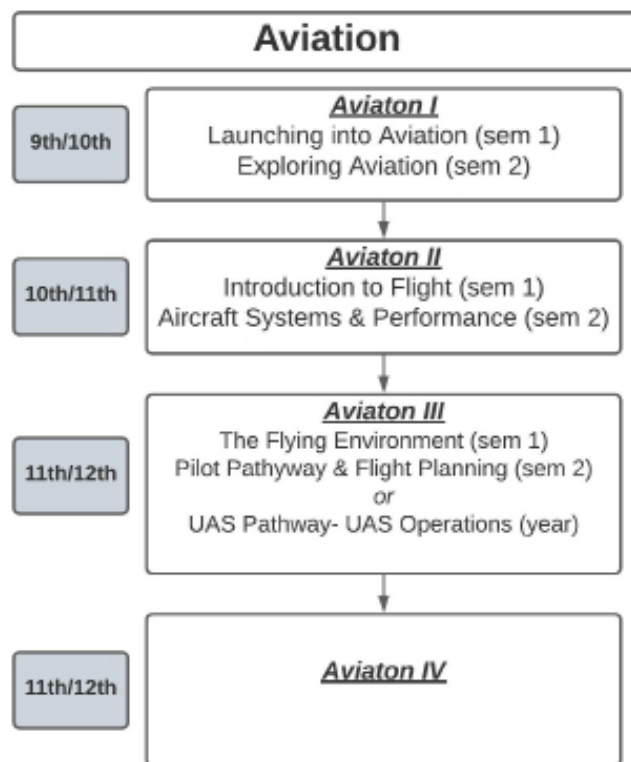
Course No.0248; OCAS 8852 Grade Level: 10,11,12  
 Course Length: Year Prerequisite: Programming 1 or Intro to Programming  
 Program Eligibility: Oklahoma's Promise

 **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; OCAS 8853 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; OCAS 8851 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. Student's 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. OCAS 8874 Grade Level: 9, 10  
 Length of Course: Full 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 oper-



ate. 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 aircraft 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 Aircraft 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. OCAS 8875                      Grade Level: 10, 11*  
*Length of Course: Full Year              Prerequisite: None*  
*Program Eligibility: none*

### **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.

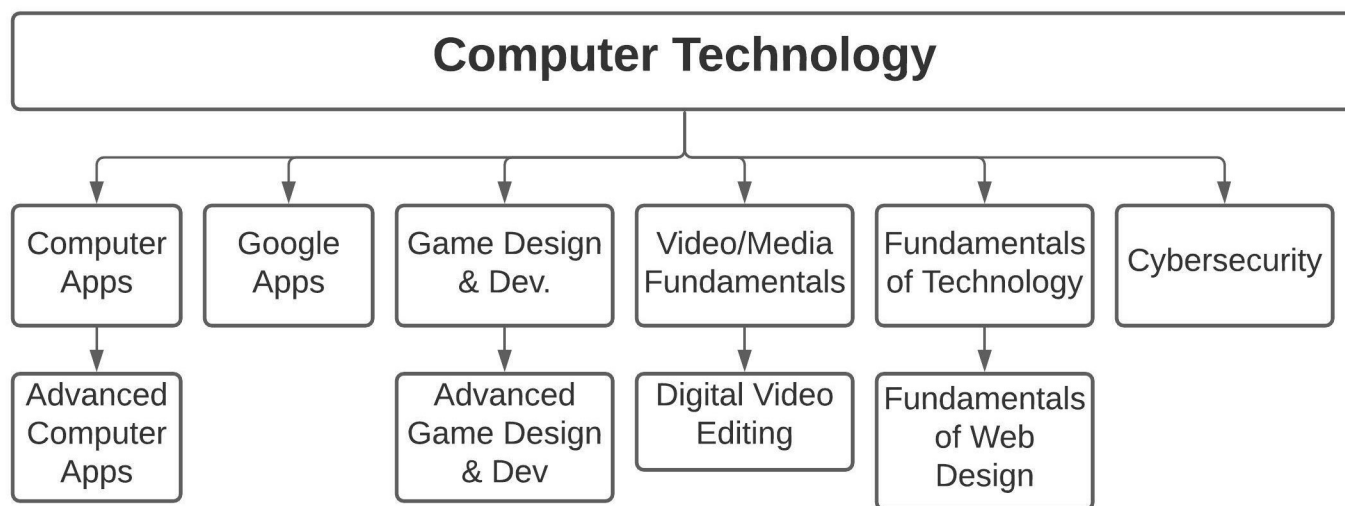
OR

**UAS Pathway - UAS Operations** – This course will cover small unmanned aircraft performance, ethics, human factors, aeronautical decision-making and judgement, 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. OCAS 8876                      Grade Level: 11, 12*  
*Length of Course: Full Year              Prerequisite: Aviation II*  
*Program Eligibility: none*

### **Aviation IV:**

*Course No. HS1020*



**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; OCAS 8169    Grade Level: 9, 10  
Length of Course: Year    Prerequisite: None  
Program Eligibility: Oklahoma's Promise*

**Fundamentals of Web Design:** Students learn the fundamentals of HTML and web design using Adobe Dreamweaver software. They will learn to design, create, edit and publish web pages as well as design and manage websites. Content will include page layout and formatting text; adding and modifying images, creating hyperlinks, style sheets, and dynamic web pages that utilize forms. Students will develop leadership traits, organizational skills, participate in community service projects, and identify their leadership potential through participation in BPA, the Business Professionals of America student organization. There is a \$20 student fee.

*Course No. 0613; OCAS 8153    Grade Level: 10, 11, 12  
Length of Course: Year    Prereq: Fund. of Tech  
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; OCAS 2551    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; OCAS 2551    Grade Level: 9, 10, 11, 12  
Length of Course: Semester    Prereq: 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 and portfolio that will reflect all aspects of the Google environment.

*Course No. 0280; OCAS 2551    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; OCAS 2551    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; OCAS 2552      Grade Level: 10,11, 12*

*Length: Semester      Prereq: 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, script-writing, intro to editing, and cinematography.

*Course No. 0495; OCAS 2910      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; OCAS 2552      Grade Level: 9, 10, 11, 12*

*Length: Semester      Prereq: 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. ???*

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

*Length of Course: Semester      Prerequisite: Comp Apps I*

*Program Eligibility: Oklahoma's Promise*

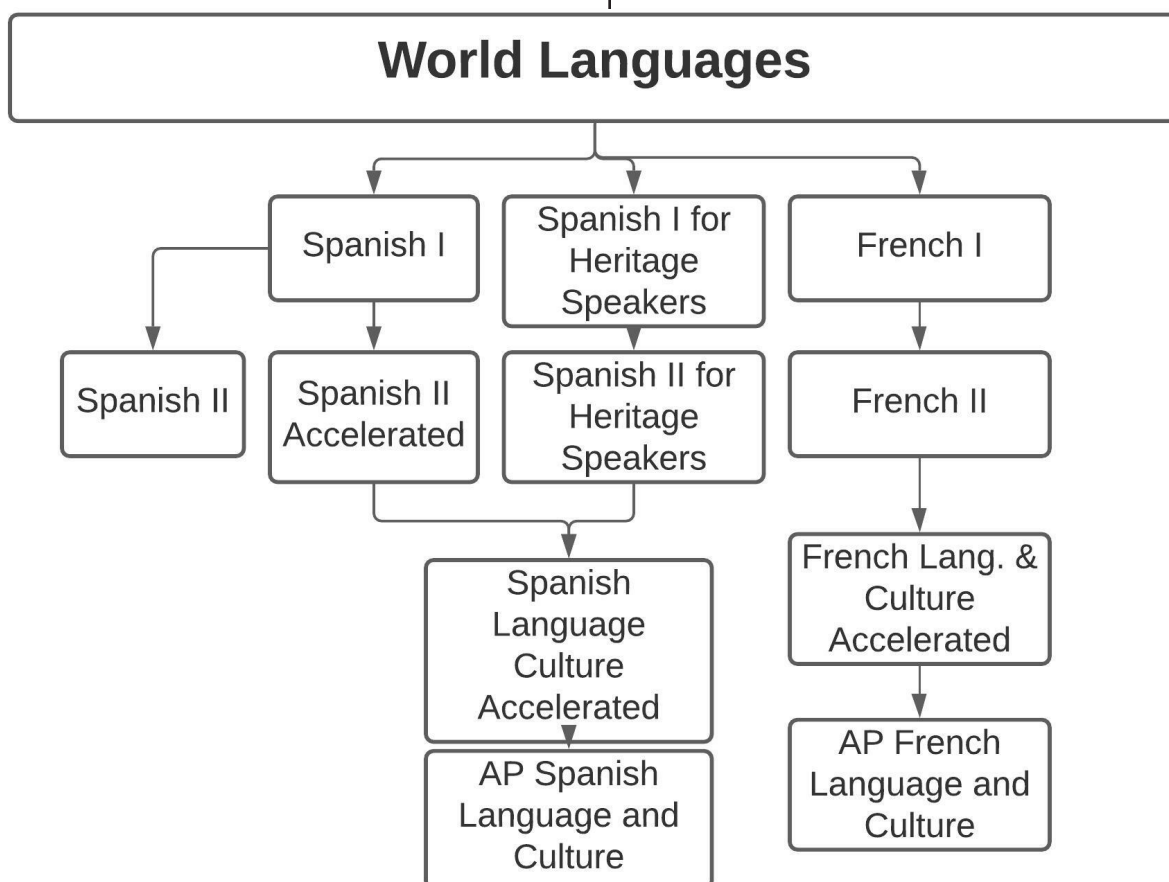
**Cybersecurity:** The design of the course exposes high school students to the ever growing and far reaching field of cybersecurity. Students accomplish this through problem-based learning, where students role-play and train as cybersecurity experts.

*Course No. ???*

*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; OCAS 3111      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; OCAS 3112      Grade Level: 10, 11, 12*  
*Length of Course: Year      Prerequisite: French I*  
*Program Eligibility: OK Promise, NCAA*

**French Language & Culture Accelerated:** 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; OCAS 3113      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; OCAS 3115      Grade Level: 12*  
*Length: Full Year      Prerequisite: French III*  
*Program Eligibility: Oklahoma’s Promise; NCAA*

**Spanish I:** This course develops students’ proficiency in Mustang High School

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; OCAS 3161      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; OCAS 3162      Grade Level: 9, 10, 11, 12*  
*Length of Course: Year      Prerequisite: Spanish I*  
*Program Eligibility: Oklahoma’s Promise; NCAA*

**Spanish II Accelerated:** This course is designed to increase students’ cultural competence and to build his/her writing, reading, speaking and listening skills in the target language. Students will improve spoken & written language skills in fluency, comprehensibility, vocabulary, and syntax. Students will have an increased expectation of verbal participation and will work at a faster and more rigorous pace than that of on-level Spanish 2. This course is meant to better prepare students to continue their language learning into years 3 & 4 of study (Advanced Spanish 3 & AP Spanish Language & Culture). A minimum of a “B” average in Spanish 1 is recommended.

*Course No. 0181; OCAS 3162      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; OCAS 3162      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:** 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; OCAS 3163    Grade Level: 11, 12*

*Length: Year                      Prerequisite: Spanish II*

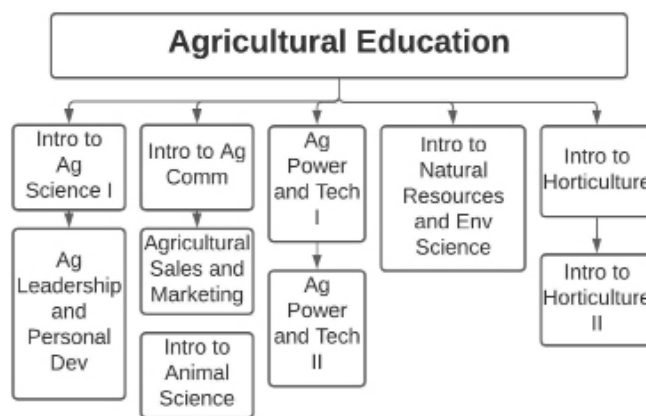
*Program Eligibility: Oklahoma’s Promise; NCAA*

**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; OCAS 3165    Grade Level: 12*

*Length: Year                      Prerequisite: Spanish Language and Culture III*

*Program Eligibility: Oklahoma’s Promise; NCAA*



**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. 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; OCAS 8004    Grade Level: 9,10, 11, 12*

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

*Length of Course: Year                      Prerequisite: None*

*Program Eligibility: None*

**Intro to Horticulture:** This introductory course has horticulture emphasis. Content includes species and importance of horticulture plants, ornamental horticulture (including floristry, landscaping, turf, and greenhouse production), disease and pest management, plant nutrition, and growth regulation.

*Course No. 6868; OCAS 8029    Grade Level: 10, 11, 12*

*Length of Course: Year                      Prerequisite: None*

*Program Eligibility: None*

**Horticulture II:** This course is designed to prepare students for further studies in Horticulture. Careers and areas of horticulture are explored, as is how horticulture fits into the field of plant agriculture. Greenhouse watering, tools,



safety, and plant growth are all aspects of this course. The course will be divided into theory, terminology and hands-on applications, which are a stepping stone for all other horticulture studies.

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

**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. Length of Course: Year

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

**Agricultural Sales and Marketing:** This course builds on introductory course and is for students with an interest in marketing processes, particularly selling and distribution. Content includes 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; OCAS 8020*      *Grade Level: 11, 12*  
*Length of Course: Year*                      *Prerequisite: Agriscience I & Introduction to Ag Business and Management*  
*Program Eligibility: None*

**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.

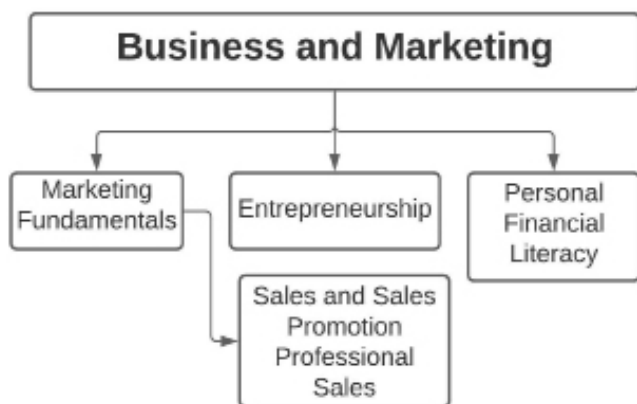
*Course No. 0625; OCAS 8009*      *Grade Level: 11, 12 only*  
*Length of Course: Year*                      *Prerequisite: None*  
*Program Eligibility: None*

**Agricultural Power & Tech II:** This course is a continuation of Intro to Agr. 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; OCAS 8010*      *Grade Level: 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; OCAS 2613*      *Grade Level: 10, 11, 12*  
*Length of Course: Year*                      *Prerequisite: Agriscience I*  
*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. \$30 for local, state, and national dues.

*Course No. 0634; OCAS 8602    Grade Level: 9,10,11,12*  
*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: \$30 for local, state, and national dues.

*Course No. 0642; OCAS 8616    Grade Level: 10,11,12*  
*Length of Course: year                      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 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. \$30 for local, state, and national dues.

*Course No. 3537; OCAS 8607    Grade Level: 10,11,12*  
*Length of Course: sem.*

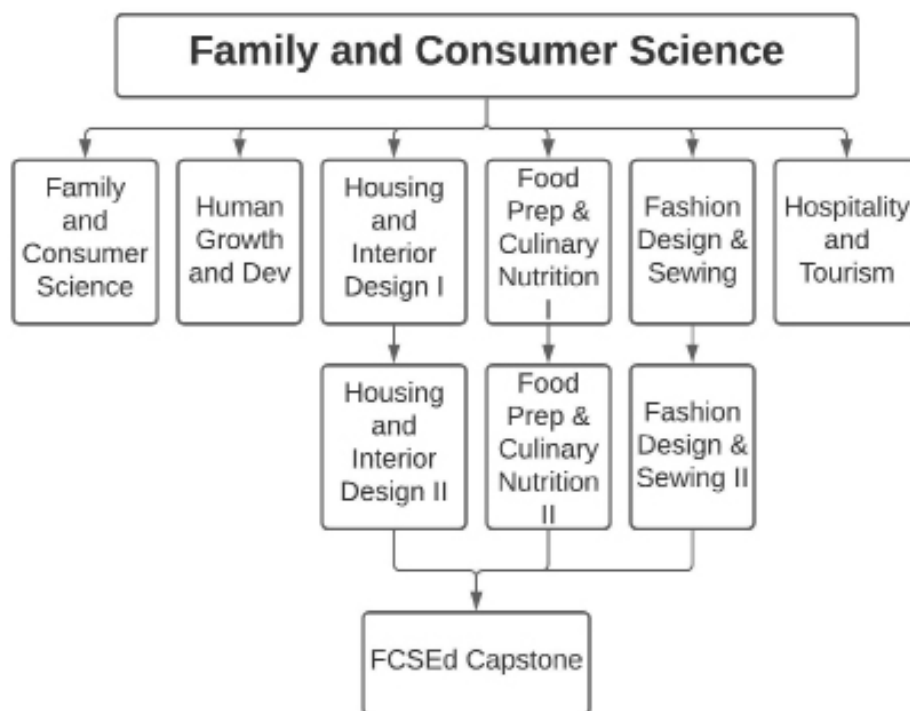
*Prerequisite: previous Marketing/ DECA courses; Teacher Approval*  
*Program Eligibility: None*

**Professional Sales:** This course focuses on the purpose of the promotional strategy of selling and its role in the marketing environment. Emphasis is placed on the purpose and steps of the sales process, and the importance of completing each step in the presentation. Technology will be used to create and deliver presentations, enhance problem-solving situations, and practice critical thinking and decision-making. Professional careers in sales will be explored. Students will develop leadership traits and identify their leadership potential through participation in DECA, the marketing student organization. This is the capstone course for all DECA/Business & Marketing courses. Membership in DECA is a class requirement. \$30 for local, state and national dues.

*Course No. 3341; OCAS 8608    Grade Level: 11,12*  
*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; OCAS 1451    Grade Level: 10, 11, 12*  
*Length of Course: Semester                      Prerequisite: None*  
*Program Eligibility: None*



**Family & Consumer Science:** This course will consist of units covering personality, color, nutrition and food preparation, grooming, beginning clothing construction, child development, and consumer education and color in everyday life. Students will be expected to furnish supplies for clothing construction. FCCLA (Family Community and Career Leaders of America) is a student leadership organization associated with FCS courses. Students who wish to join will pay national affiliation dues, along with district and state convention registration fees.

*Course No. 0700; OCAS 8415      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; OCAS 8471      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  
*Mustang High School*

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 student.

*Course No. 0724; OCAS 8461      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; OCAS 8461      Grade Level: 10, 11, 12*  
*Length of Course: Year              Prereq: Interior Design I*  
*Program Eligibility: None*

**Food Prep & Culinary Nutrition I: Food Prep & Culinary Nutrition I:** A laboratory course in which students use nutrition knowledge to make in-

formed 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 American (FCCLA) is an integral part of this course.

*Course No. 0718; OCAS 8474      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 of 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 American (FCCLA) is an integral part of this course.

*Course No. 0714; OCAS 8472      Grade Level: 10, 11, 12*  
*Length of Course: Year              Prerequisite: Food 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 student.

*Course No. 0720; OCAS 8425      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 student.

*Course No. 0729; OCAS 8425      Grade Level: 10, 11, 12*  
*Length of Course: Year              Prerequisite: Sewing I*  
*Program Eligibility: None*

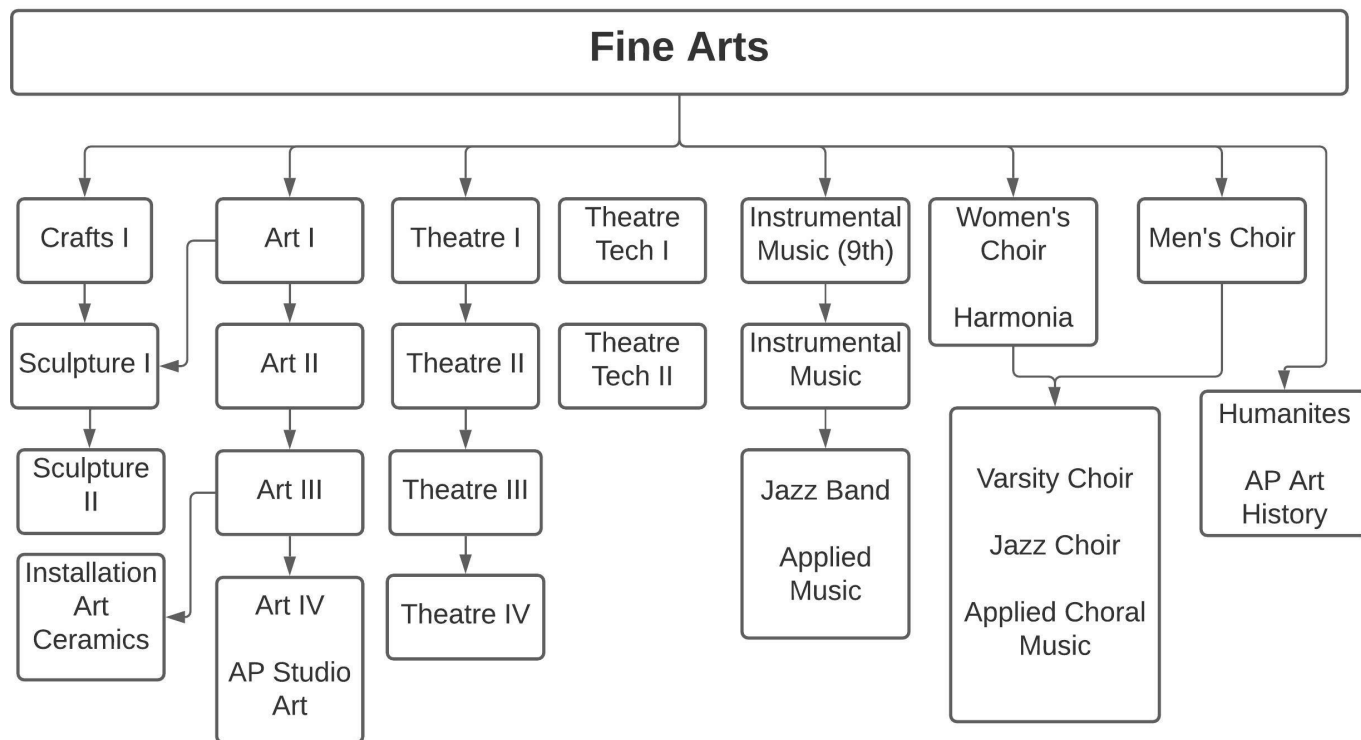
**Hospitality and Tourism:** Introduction to Hospitality, Tourism and Recreation focuses on pathways and careers in the Hospitality and Tourism cluster. Students identify and compare their personal attributes with careers in this cluster. Students explore the professional behaviors, skills and abilities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

*Course No.                              Grade Level: 10, 11, 12*  
*Length of Course: Year              Prerequisite: none*  
*Program Eligibility: None*

**FCSEd 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 American (FCCLA) is an integral part of this course.

*Course No. 00730; OCAS 8446      Grade level:12*  
*Length of Course: Semester      Prerequisite: FCS 1 and 2*  
*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 using marker, colored pencil, oil pastel, and chalk pastel. Basic painting, printmaking, and sculpture will also be covered. \$40 Art fee required to cover consumable materials used.

*Course No. 0510; OCAS 2808    Grade Level: 9, 10  
Length of Course: Year    Prerequisite: None  
Program Eligibility: Oklahoma's Promise*

**Art II:** This course will cover, in more detail, the techniques and skills taught in Art I. Students will be required to think more independently and creatively. Careers in art will also be covered. \$40 Art fee required to cover consumable materials used.

*Course No. 0511; OCAS 2809    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. We will do some class and some individual assignments. Students must be self-motivated and truly interested/talented 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. \$50 Art Fee required to cover consumable materials used.

*Course No. 0512; OCAS 2810    Grade Level: 11, 12  
Length of Course: Year    Prerequisite: Art II  
Program Eligibility: Oklahoma's Promise*

**Art IV:** Artists at this level will be working individually with the teacher to create artwork in their areas of interest. We will do some class and some individual assignments. Students must be self-motivated and truly interested/talented in Art. 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. \$50 Art Fee required to cover consumable materials used.

*Course No. 0513; OCAS 2811    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. \$80 Art fee required to cover consumable materials used, (it can be paid out throughout the year).

*Course No. 0448; OCAS 2815    Grade Level: 11, 12  
Length of course: Year    Prereq: Art II/Teacher Rec  
Program eligibility: Oklahoma's Promise*

**Ceramics I:** 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 be used as a pathway to Advanced Placement Art. Student fee for this course is \$40.

*Course No.*

*Grade Level: 10, 11, 12*

*Length of Course: Year*

*Prerequisite: Art I or Crafts*

*Program Eligibility: Oklahoma's Promise*

**Installation Art (previously Set Design):** 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; OCAS 2856* *Grade Level: 11, 12*

*Length of course: Semester* *Prerequisite: Art II*

*Program eligibility: Oklahoma's Promise*

**Crafts I:** This course is for the student who wishes to develop their craftsmanship skills through the completion of a variety of projects and exercises designed to expose the student to the design principles of Space, Line, Form, Tone and Texture and how they apply to Arts & Crafts. This course is structured for students who are creative and enjoy making quality crafts. Projects will vary according to availability of materials and practicality for the class size involved. A required \$15

Supply fee will cover all materials used in the course.

*Course No. 0500; OCAS 2821* *Grade Level: 9, 10, 11, 12*

*Length of Course: Semester* *Prerequisite: None*

*Program Eligibility: Oklahoma's Promise*

**Sculpture I 3D Design:** 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. This course may be used as a pathway to Advanced Placement Art. Student fee for this course is \$25.

*Course No. 0501; OCAS 2833* *Grade Level: 9, 10, 11, 12*

*Length of Course: Semester* *Prerequisite: Art I, Crafts 1 or Materials & Processes*

*Program Eligibility: Oklahoma's Promise*

**Sculpture II:** This course will cover, in more detail, the techniques and skills taught in Sculpture I or Ceramics. Students will be required to think more independently and creatively while engaging in more 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 student fee will be required for this course.

*Course No.*

*Grade Level: 10, 11, 12*

*Length of Course: Year*

*Prereq: Sculpture I or Ceramics I*

*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; OCAS 2951* *Grade Level: 9, 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; OCAS 2816* *Grade Level: 10, 11, 12*

*Length of Course: Year* *Prerequisite: None*

*Program Eligibility: Oklahoma's Promise*

**Women's Choir:** Women's Choir is a group for 9th - 12th grade women who enjoy singing. 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, 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) dress rental, scarf, folder, choir t-shirt.

*Course No. 0530; OCAS 3073* *Grade Level: 9, 10, 11, 12*

*Length of Course: Year* *Prerequisite: None*

*Program Eligibility: Oklahoma's Promise*

**Men's Choir:** Men's Choir is a group for 9th - 12th men who enjoy singing. 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, 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 contest are mandatory. Choir fee includes tuxedo rental, tuxedo flat collar shirt, tie, two pair of black dress socks, folder,

choir t-shirt.

*Course No. 0529; OCAS 3072    Grade Level: 9, 10, 11, 12*  
*Length of Course: Year            Prerequisite: None*  
*Program Eligibility: Oklahoma's Promise*

**Harmonia:** This auditioned choir is for women who are wanting to sing more challenging music, are more apt to audition for regional and state honor choirs, 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 dress rental, scarf, folder, choir t-shirt.

*Course No. 0000 OCAS 3072    Grade Level: 9,10, 11, 12*  
*Length of Course: Year            Prerequisite: None*  
*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 more 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 are expected to be enrolled in Men's Choir, Women's Choir, Harmonia, or Varsity in order to be a member of this class.

*Course No: 3336; OCAS 3072    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:** Varsity Choir is an auditioned mixed ensemble for 9th - 12th grade students who are looking to sing and compete at the highest level. 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 dress/tuxedo rental, scarf, folder, choir t-shirt.

*Course No. 0532; OCAS 3074*  
*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 men and women who are looking to sing, dance and compete at this highest level. Students will perform at concerts, as well as Mustang High School

other outside events. Students are expected to be enrolled in a choir course in addition to participation in this ensemble. This choir does not meet during the school day, but one evening a week.

*Course No: 0000; OCAS 000    Grade Level: 9, 10, 11, 12*  
*Length of Course: Year*  
*Prerequisite: Audition, dual enrollment in additional choir course.*  
*Program Eligibility: Oklahoma's Promise*

**Applied Music (Choir):** 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. 0525; OCAS 3052    Grade Level: 10, 11, 12*  
*Length of Course: Semester    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; OCAS 4019    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 \$60-65 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; OCAS 4020*  
*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; OCAS 4021    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; OCAS 4022    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; OCAS 4221    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 conference 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.

*Prerequisite: Enrollment by application & teacher recommendation.*

*Grade Level: 12*

*Length of course: Year*

**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; OCAS 2856    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

*Prerequisite: Stagecraft or Teacher Approval*

*Length of course: Year*

**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.

*Prerequisite: Stagecraft, Theatre Technologies I, or Teacher Approval*

*Length of course: Year*

**Instrumental Music (9th Grade):** This course is the initial course for students wishing to take band 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. Par-

ticipation 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. 0520; OCAS 3004    Grade Level: 9*  
*Length of Course: Year            Prerequisite: MS Band*  
*Program Eligibility: Oklahoma's Promise*

**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. 0521; OCAS 3004    Grade Level: 10, 11, 12*  
*Length of Course: Year*  
*Prerequisite: Instrumental Music or Instrumental Music (9)*  
*Program Eligibility: Oklahoma's Promise*

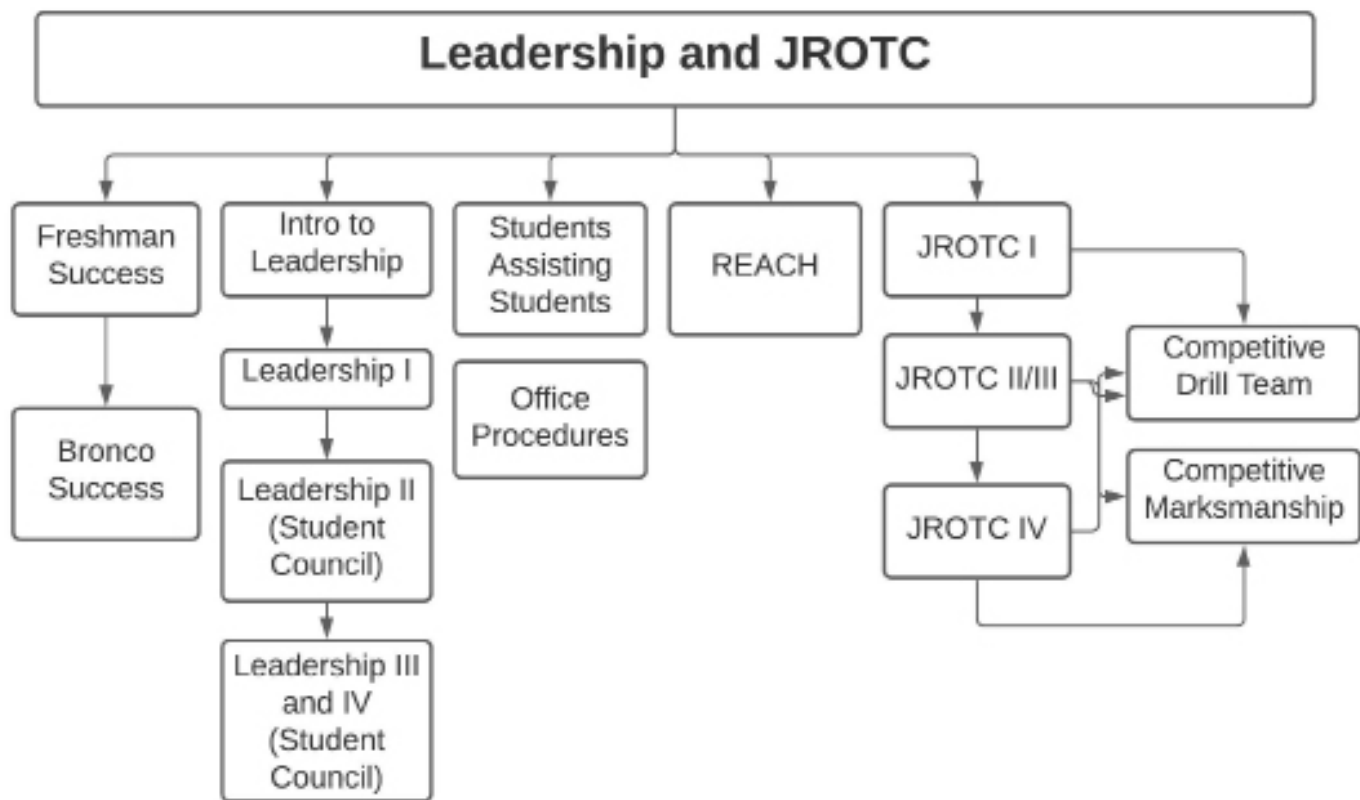
**Applied Music (Instrumental Music):** This course is designed to develop the growing instrumental musician. Emphasis will be placed on progress and measured individual achievement. Students enrolling in Applied Music will be required to audition for the CODA and All-OkMEA honor bands during the Fall 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; OCAS 3052    Grade Level: 10, 11, 12*  
*Length of Course: Semester    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. 3366; OCAS 3022    Grade Level: 10, 11, 12*  
*Length of Course: Semester    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; OCAS 2725      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; OCAS 2725      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 interview process each Spring semester.

Course No.3200; OCAS 2725      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.0000; OCAS 2760      Grade Level: 9, 10  
Length of Course: Semester      Prerequisite: None

**Leadership I:** 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; OCAS 2760      Grade Level: 10, 11*

*Length of Course: Year              Prerequisite: None*

*Program Eligibility: None*

**Leadership II:** (Student Council) Provides an opportunity for students who have completed and passed Leadership to expand their leadership skills. 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. Students are required to be an active member of student council or an officer of another club on campus and have completed and passed Leadership. Students will be required to participate in community service activities outside of school.

*Course No. 0345; OCAS 2760      Grade Level: 11, 12*

*Length of Course: Year*

*Prerequisite: Leadership and Instructor Approval*

*Program Eligibility: None*

**Leadership III:** (Student Council) Provides an opportunity for students who have completed and passed Leadership II to expand their leadership skills. 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. Students are required to be an active member of student council or an officer of another club on campus and have completed and passed Leadership II. Students will be required to participate in community service activities outside of school.

*Course No. 3576; OCAS 2760      Grade Level: 11,12*

*Length: Year*

*Prerequisite: Officer in existing clubs and organization and 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. 0670; OCAS 2775      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; OCAS 2419      Grade Level: 12*

*Length of Course: Semester      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; OCAS 2720      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 life-styles 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; OCAS 2720      Grades: 10, 11, 12*

*Length of course: Year              Prerequisite: 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 make the student eligible for 16 semester hours of college credit through Adams State College (Colorado).

*Course No. 0374; OCAS 2720 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.

*Course No. 0369; OCAS 2720 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*

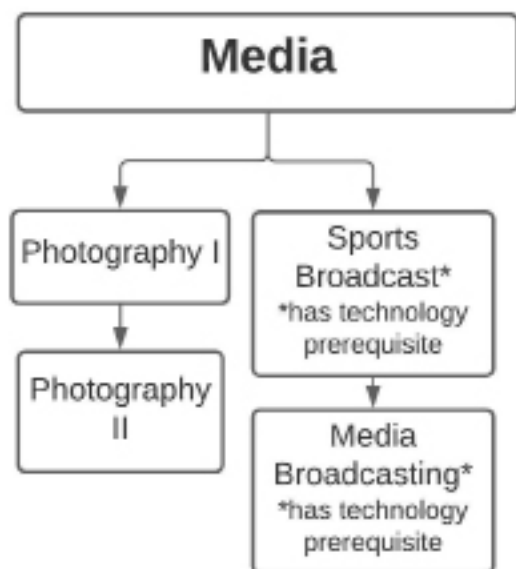
**JROTC Competitive Drill Team:** JROTC Drill Teams usually consist of 10 to 18 students. These teams compete in local and regional Drill Meet competitions where the teams are judged on their precision and attention to detail as they execute a detailed routine. These drill routines normally last 5 to 7 minutes. There are 4 subcategories of drill teams and include Unarmed Regulation, Unarmed Exhibition, Armed Regulation and Armed Exhibition. Students enrolled in this class may train to compete on teams in any or all of these 4 categories. Students must remain academically eligible to compete on any drill team.

*Course No. 0375; OCAS 2720 Grade level: 9,10,11,12*

*Course Length: Year*

*Prerequisite: Concurrent enrollment in JROTC /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 and engage in critical analysis of photographs.

*Course No. 3870; OCAS 2889 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.

*Course No. 0117; OCAS 2910 Grade Level: 10, 11, 12*

*Length of Course: sem Prerequisite: Photography*

*Program Eligibility: None*

**Sports Broadcasting:** This course will require students to make a commitment of time, talent, and energy. This course will provide students with knowledge in live event broadcasting, specifically in the sports industry. It will require students to be responsible, self-motivated, task-oriented, and have a strong ability to meet deadlines as students will be required to attend sporting events after school to produce full, live broadcasts that are streamed to the internet.

Students will learn how to operate cameras, graphic packages, perform as technical director and director for the course of an entire event. Students will also have access to software programs such as the Adobe Creative Suite and Apple Final Cut Studio to edit graphics and video. The class will be responsible for developing a weekly or bi-weekly sports broadcast for the Athletic Department's "Coach's Show." Students will learn leadership skills while learning how to focus on a specific job and operate under pressure. A \$20 course fee will be charged that will cover an SD Card for the student's projects.

*Course No. 0497; OCAS 2910 Grade Level: 10, 11, 12*

*Length of Course: Year*

*Prerequisite: Video/Media Fundamentals or by instructor approval*

*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.

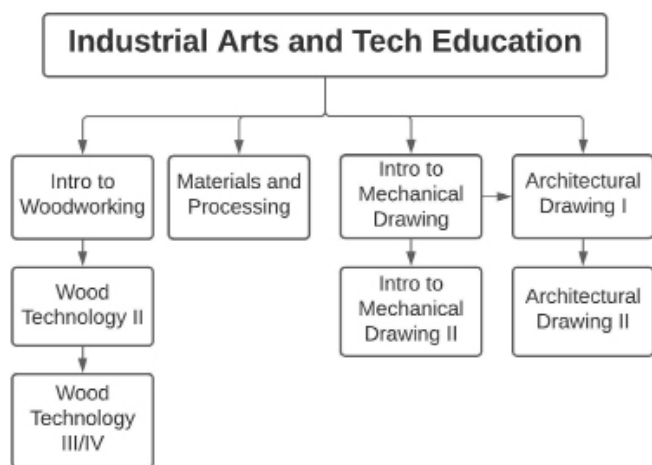
Students and their parents are required to sign a contract for this course. A \$20 course fee will be charged that will cover an SD card for the student's projects.

*Course No. 0498; OCAS 2910    Grade Level: 10, 11, 12*

*Length of Course: Year*

*Prerequisite: Video Editing and instructor approval*

*Program Eligibility: None*



**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; OCAS 3741    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; OCAS 3742    Grade Level: 10, 11, 12*

*Length of Course: Year    Prerequisite: Intro/Wood*

*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; OCAS 3743, 3744*

*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. The course will entail many of the skills acquired in the previous course but with a greater emphasis on quality in design and production. 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; OCAS 3790    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; OCAS 3551    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; OCAS 3552    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; OCAS 3511    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; OCAS 3512    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

**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. Tryout and instructor approval required.

*Course No.* *Grade Level: 9, 10, 11, 12*  
*Length of Course: Semester* *Prerequisite: none*

**Mindfulness 101:** Students will learn to effectively manage stress levels, improve mental and physical well-being, and improve memory. Mindfulness exercises are ways of paying attention to the present moment using techniques like meditation, breathing, and yoga. Training helps people to become more aware of their thoughts, feelings, and body sensations so that instead of being overwhelmed by them, they're better able to manage them. Students are encouraged to bring their own yoga mat.

*Course No. OCAS 2745* *Grade Level: 9, 10, 11, 12*  
*Length of Course: Semester* *Prerequisite: none*

**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. 0902 (9th), 3089; OCAS 3320*

*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 complement 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. 0901 (9th), 0900; OCAS 3320*

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

*Length of Course: Year*

*Prerequisite: None*

*Program Eligibility: None*

**Sports Officiating:** Students will leave this class with the ability to certify in sports officiating and be job ready. Training in this course will aid a student in seeking employment working as a sports official.

*Course No. 0000; OCAS 2715* *Grade Level: 10, 11, 12*

*Length of Course: Semester*

*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; OCAS 3320* *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. 0000; OCAS 3310* *Grade Level: 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; OCAS 3310*

*Grade Level: 9, 10*

*Length of Course: Semester*

*Prerequisite: 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; OCAS 3310 Grade Level: 9,10,11,12

Length of Course: Semester Prerequisite: None

Program Eligibility: None

**Athletic 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; OCAS 3330 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 beginning or recreational activities. Try-outs or coach approval may be required in order to enroll. Any sport with an off-season "Athletics" will also require coach approval in order to enroll.

Baseball 0829

Girl's Basketball 0803

Boy's Basketball 0823

Cheer fall sem. 0858

Girl's Cross Country fall sem. 0806

Boy's Cross Country fall sem. 0813

Football 0820

Senior Football 0821 fall sem.

Girl's Golf 0827

Boy's Golf 0826

Pom fall sem. 0880

Girl's Soccer spring sem. 0811

Off Season Girl's Soccer/Athletics 0895 fall sem.

Boy's Soccer spring semester 0810

Off Season Boy's Soccer/Athletics 0895 fall sem.

Softball 0812

Swimming 3953

Girl's Tennis spring sem. 0824

Off Season Tennis/Athletics 0895 fall sem.

Boy's Tennis spring sem. 0825

Off Season Tennis/Athletics 0895 fall sem.

Girl's Track and Field spring sem. 0807

Boy's Track and Field spring sem. 0815

Volleyball fall sem. 0804

Off Season Volleyball/Athletics fall sem. 0895

Wrestling 0817

## Internships

**Educational Internship:** 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. 0000; OCAS 2790 Grade Level: 11, 12

Length: Sem/year Prereq: Approved application

Program Eligibility: None

**Professional Internship I & II:** These courses provides 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; OCAS 2410 Grade Level: 11-12

Length: Sem/year Prereq: Approved application

Program Eligibility: None

## Virtual Core and Elective Classes

### ELA

**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. Book reports, projects, and essays are required.

**English I Accelerated VC:** This course fulfills the 9th grade English requirement. Pre-AP English I is an accelerated 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. Due to increased content and rigor, this course has an additional weight of .5 on a 4 point GPA scale.

**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.

**English II Accelerated VC:** This course fulfills the 10th grade English requirement. English II Accelerated is the preparatory course for both AP English Literature & Composition and AP English Language & Composition. The focus is on composition, grammar, literature, and rhetoric. Students are expected to complete extensive, independent reading and grammar assignments outside of class. Due to increased content and rigor, this course has an additional weight of .5 on a 4 point GPA scale.

**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.

**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.

## 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.

**Algebra I Accelerated VC:** This full-year honors course introduces students to linear, exponential, and quadratic functions by interpreting, analyzing, comparing, and contrasting functions that are represented numerically, tabularly, graphically, and algebraically. Technology is utilized within some lessons to further support students in identifying key features as well as displaying images of the functions. The course builds upon the basic concepts of functions to include transformations of linear and nonlinear functions. Students deepen their understanding of quantitative reason-

ing, piecewise functions, and quadratic functions through performance tasks. The additional performance-based skills allow the honors students to apply more of the concepts taught in the course. The course concludes with students analyzing data through displays and statistical analysis. Due to increased content and rigor this course, has an additional weight of .5 on a 4 point GPA scale.

**Geometry VC:** 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.

**Geometry Accelerated VC:** 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). Due to increased content and rigor, this course has an additional weight of .5 on a 4 point GPA scale.

**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.

**Probability & Statistics VC:** This course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra II and Pre-Calculus. The first half of the course begins with an in-depth study of probability and an exploration of sampling and comparing populations and closes with units on data distributions and data analysis. In the second half of the course, students create and analyze scatter plots and study two-way tables and normal distributions. Finally, students apply probability to topics such as conditional probability, combinations and permutations, and sets. This course is not college-preparatory.



### *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.

**Prerequisite: Algebra I and Geometry**

**Algebra II Accelerated VC:** 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. Due to increased content and rigor this course has an additional weight of .5 on a 4 point GPA scale.

*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.

*Prerequisite: Algebra II*

**Pre-Calculus Accelerated VC:** 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. Due to increased content and rigor this course has an additional weight of .5 on a 4 point GPA scale.

*Prerequisite: Algebra II*

Program Eligibility: Oklahoma's Promise

### **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.

**Biology Accelerated VC:** This course is designed as a prerequisite class for Chemistry Accelerated and AP Biology. *Mustang High School*

ogy. Major concepts in life sciences will be presented, such as Energy and Matter, Ecology, Natural Selection, Molecular Biology, and Genetics. Virtual 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 GPA scale.

**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.

*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.

*Prerequisite: Biology*

**Chemistry Accelerated VC:** Designed to provide students with the pre-requisite 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. Labs are virtual. 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 GPA scale.

*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.

*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. *Vir-*



tual Labs are required.  
*Prerequisite: Biology*

**Earth Science VC:** Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become 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.

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

*Prerequisite: Biology*

**Physics VC:** This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.

*Prerequisite: Algebra II or concurrent enrollment in Algebra II*

**Accelerated Physics VC:** Designed as an introductory physics course which will focus primarily on the topics covered in a first semester college physics course (Motion, velocity, acceleration, forces, work, and energy). 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 virtual lab based activities throughout the year. Due to increased content and rigor this course has an additional weight of .5 on a 4 point GPA scale.

*Prerequisite: Algebra II or concurrent enrollment in Algebra II*

## 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.

**Oklahoma History Accelerated VC:** 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 GPA scale.

**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.

**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:

**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. This course is required for graduation.

## World Languages

**French I VC:** 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.

**French II VC:** 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-play-

ing activities in French reinforce language acquisition and cultural themes. A minimum of a “C” in French I is recommended.

**French III VC:** In this expanding engagement with French, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, Edgenuity Course Catalog PAGE 22 World Language Courses reading, and writing. In addition, students read significant works of literature in French and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas.

**Spanish I VC:** 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.

**Spanish II VC:** 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.

**Spanish III VC:** In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. Minimum grade of a “C” in Spanish II recommended.

### **Computer Technology**

**\*\*Parents & Students please be aware that some computer technology courses offered may require Mustang High School**

**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 system. 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**

**Astronomy VC:** Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space. This is not a lab science course and will not meet science requirements for graduation.

**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. 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!

**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 be-

havior. 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.

**History of War VC:** 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.

#### **Language Arts Electives- Remediation/ Intervention course:**

**Literacy & Comprehension I VC :** This course is designed to support the development of strategic reading and writing skills. Throughout this course students will utilize high interest topics to gain proficiency in summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences , and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self evaluation strategies built into the course may inspire students to take control of their learning.

#### **Remediation/ Intervention course -**

**Literacy & Comprehension II VC :** This course is designed to be the next level of support for the development of strategic reading and writing skills. Throughout this course students will utilize high interest topics to gain proficiency in summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences , and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self evaluation strategies built into the course may inspire students to take control of their learning.

**Expository Reading & Writing VC:** This course is designed 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.

#### **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*

#### **Digital Citizenship Electives**

**Online Learning & Digital Citizenship VC:** This course provides students with a comprehensive introduction to online learning, including how to work independently, stay safe, and develop effective study habits in virtual learning environments. Featuring direct-instruction videos, interactive tasks, authentic projects, and rigorous assessments, the course prepares students for high school by providing in-depth instruction and practice in important study skills such as time management, effective note-taking, test preparation, and collaborating effectively online. By the end of the course, students will understand what it takes to be successful online learners and responsible digital citizens.

**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.

### 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.

**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.

### 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 Emer-

gency 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, dietitians 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 Health Care 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.