



# Moniteau High School



**Class of 2027**

**Freshmen**

**Course Guide**

**2023-2024**

## GRADUATION REQUIREMENT NOTIFICATION

In an effort to remain consistent with the expectations defined by the PA Dept of Ed, the graduation criteria specify that Moniteau students:

1. Earn 26 credits.
2. Students must meet one of the five graduation pathways that are outlined below.
3. Students will also be required to complete a culminating career portfolio with eighteen pieces of evidence and a career plan by the end of their junior year.

### **EVERY STUDENT SUCCEEDS ACT (ESSA) and ACT 158 OF 2018**

**GRADUATION REQUIREMENTS:** As a requirement for graduation from the Moniteau School District, a student must achieve:

- 1. Keystone Proficiency Pathway: Scoring Proficient or Advanced on each Keystone Exam: Algebra 1, Literature, and Biology.**
- 2. Keystone Composite Pathway: Earning a satisfactory composite score on the Algebra 1, Literature, and Biology Keystone Exams (while achieving at least a proficient score on at least one of the three exams and no less than a basic score on the remaining two).**
- 3. Alternate Assessment Pathway: Successful completion of the Keystone Class associated with the Exam (grade C or higher) and one of the following:**
  - a. Attainment of an established score on the SAT, PSAT, ACT, or ASVAB;**
  - b. GOLD Level on the ACT Workkeys Assessment;**
  - c. Attainment of an established score on an Advanced Placement Program or an International Baccalaureate Diploma Program exam in an academic content area associated with each Keystone Exam on which the student did not achieve at least a proficient score;**
  - d. Successful completion of a Dual Enrollment Course in the content area associated with each Keystone Exam in which the student did not achieve at least a proficient score;**
  - e. Successful completion of a pre-apprenticeship program; or**
  - f. Acceptance in an accredited 4-year non-profit institution of higher education and evidence of the ability to enroll in college-level coursework.**
- 4. Evidence Based Pathway: Successful completion of the Keystone Class associated with the Exam (grade C or higher) and demonstration of three pieces of evidence consistent with the student's goals and career plans, including**
  - a. One of the following:**
    - i. Attainment of an established score on the ACT Workkeys assessment, a SAT subject test, an Advanced Placement Program Exam, or an International Baccalaureate Diploma Program Exam;**

- ii. **Acceptance to an accredited nonprofit institution of higher education other than a 4-year institution and evidence of the ability to enroll in college-level coursework;**
    - iii. **Attainment of an industry-recognized credential; or**
    - iv. **Successful completion of a Dual Enrollment or Post-Secondary Course; and**
  - b. **Two additional pieces of evidence, including one or more of the options listed above, or: Satisfactory completion of a service learning project; attainment of a score of proficient or advanced on a Keystone Exam; a letter guaranteeing full-time employment; a certificate of successful completion of an internship or Cooperative Education Program; or satisfactory compliance with the NCAA's core courses for college-bound student athletes with a minimum grade point average of 2.0.**
- 5. **CTE Pathway: For CTE concentrators, Successful completion of the Keystone Class associated with the Exam (grade C or higher) and attainment of an industry-based competency certification related to the CTE program of study or demonstration of a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE program of study.**

**The new pathways do not exclude students from taking the Keystone Exams. All students will take the exams upon the completion of the trigger courses for each exam.**

If a student does not attain the Proficient Level in the areas of Algebra I, Biology 1, and Literature, he/she will be provided remedial strategies prior to re-testing. The PA Dept. of Education provides that students will be permitted to re-take a non-proficient Keystone Exam, or until the student attains a proficient level or has met one of the new pathways above. After the first Keystone test is taken in each of the three courses, and one of the pathways from above is met, the students in questions will have met the graduation requirement for testing and assessment.

#### **Title IX Notification**

Moniteau School District is an equal opportunity institution and will not discriminate on the basis of race, color, national origin, sex, or handicap in its activities, programs, or employment practices as required by Title VI, Title IX, Section 504, and the American with Disabilities Act.

For information regarding civil rights, grievance procedures or information regarding services, activities, and facilities that are accessible to and usable by handicapped persons, contact the High School Principal at (724) 637-2091, ext. 1000.

For additional information, please refer to the Pennsylvania Department of Education website at [www.pde.state.pa.us](http://www.pde.state.pa.us).

## **Post Secondary Options**

### **College**

An independent institution of higher learning offering a course of general studies leading to a bachelor's degree.

### **University**

A collection of colleges offering undergraduate and graduate degrees.

### **Cooperative College**

An institution offering the student an opportunity to combine college-level work with periodic employment in the field of the student's specialization. A cooperative plan may require five years of college.

### **Community College**

A publically supported institution committed to providing educational resources for all county residents. Four general programs are offered: (1) the college transfer program serves as an intermediary for students planning to continue their education at a four-year college after two years of study; (2) the one-semester college preparatory program; (3) the career program preparing students for immediate employment after one or two years; (4) the community services and continuing education program meeting the occupational, cultural, recreational, social, and educational needs of the community.

### **Schools of Nursing**

There are two types of nursing education programs. One prepares the student to be a professional or registered nurse. The other prepares the student to be a licensed practical nurse. Preparation for professional nursing may be obtained through a college bachelor's degree program, a junior college associate's degree program, or a diploma program at a hospital school of nursing. The practical nursing license is usually obtained in a one-year program at a state-approved hospital or community college.

### **Technical, Trade, or Career Schools**

Technical schools offer technical training in a specific area. For example, schools train individuals for engineering work in elementary design and for operation or maintenance of radio, television, or aeronautical equipment. Check the National Association of Trade and Technical Publications "Handbook of Trade and Technical Career Training" to assist you in your selection. Career schools are usually non-college professional schools that give highly specialized training for specific careers. Schools of music, art, design, dramatics, photography, sculpture, business, computers, etc. are examples of types of schools that prepare students for these careers.

## **Work Force**

Students may also receive certifications and licenses through vocational education that will allow them to directly enter the workforce after graduation. Students should always be mindful of job qualifications and requirements before beginning a profession.

## **Apprenticeship Training**

An apprenticeship is on-the-job training where an apprentice works with a skilled master craftsman under the supervision of a foreman. The apprentice learns under actual working conditions, and most often, takes related courses at a nearby school. Some typical apprenticeship programs are offered in the areas of carpentry, cement work, sheet metal machining, etc. The Apprenticeship Information Center, 915 Penn Avenue, Pittsburgh PA 15222 offers detailed information on the subject.

## **Armed Services Schools**

The Armed Services operate schools designed to meet the needs of a particular branch of service. Service schools are usually semi professional, technical, or trade schools. Additional information can be obtained through the United States Armed Forces Institute Courses in Madison, Wisconsin or local colleges.

## **Military Service**

Thousands of Americans consider joining the military every year. The military can be a very rewarding growth experience if you prepare yourself before joining. Many opportunities will be awarded to students to visit with recruiters from the different branches of the military. Taking part in the Armed Services Vocational Aptitude Battery test (ASVAB), will also allow the student to gain a sense of their skills and strengths that could determine what the student will be doing in the military. The ASVAB test is offered to students in the 11<sup>th</sup> and 12<sup>th</sup> grade every year.

## **Federal Services Academies**

The military branches – Army, Navy, Air Force, Coast Guard, and Merchant Marine – offer four years of education leading to a Bachelor of Science Degree. A candidate receives full tuition, medical care, room and board, and a monthly stipend. Candidates must receive nominations from members of Congress. Other sources of nomination are available to prospective candidates, principally through affiliation with the armed forces. Some appointments are also available under special categories and conditions.

### **How do you know which option is right for you?**

There are a number of different considerations when choosing a career path. Every individual is different and each person may have a different set of priorities that determine their path. Some considerations are income, working conditions, location, level of education, required tasks, vacation time/leave policies, etc. The internet is a valuable tool in assisting with the acquisition of information. Two websites that are helpful specifically for career planning are: [www.pacareerzone.com](http://www.pacareerzone.com) and [www.careercruising.com](http://www.careercruising.com). (username: moniteau, password: bleachers).

## CREDIT PROGRESSION

To ensure satisfactory progression from one grade level to the next, the following guidelines for graduation credits have been established.

**26** Credits to graduate

Students need the following credits to be considered:

A Sophomore:	6 Credits
A Junior:	12 Credits
A Senior:	18 Credits

Students must have an average of 7 credits in their schedule. The administration has the discretion to grant students permission to take 9 credits annually.

It is recommended that students check with their guidance counselor to maintain the proper progression of credits.

## GRADUATION REQUIREMENTS CAREER ACADEMIES OF STUDY

All students are required to declare a Career Academy course of study during the 2nd semester of the 8<sup>th</sup> Grade Year.

Students may switch Academies at the beginning of their 10<sup>th</sup> or 11<sup>th</sup> Grade school years, but will not be allowed to switch mid-year.

The Academy selected will determine the courses required for graduation and the course sequences selected by students.

Three Academies of Study are available for students to select:

- o Professional Career Academy
- o Technical Career Academy
- o CTE Career/Completer Academy.

### College & Career Academy

Bachelor's Degree, Post Graduate Degree, Professional Certification

The following **26** Credits are required for the Professional Career Academy:

English	4	
Social Studies	4	Personal Finance
Science	4	or
Science Lab Credits	<b>1(2 Labs)</b>	Essential Skills <b>.50</b>
Math	4	Foreign Language/Fine Art/ or Engineering Courses <b>2</b>
Physical Education	2	Electives <b>10 Possible/4 Needed</b>
Health	<b>.50</b>	

## Career Cluster Academy

Associate/Bachelor's Degree, Employment Certification, Apprenticeship

The following **26** Credits are required for the Technical Career Academy:

English	4	Health	.50
Social Studies	3	Personal Finance	
Science	3.5 (1 Lab)	or	
Math	4	Essential Skills	.50
Physical Education	2	<b>Career Cluster</b>	<b>3</b>
		Electives	<b>11.5 Possible/5.5 Needed</b>

- ❖ In the Technical Career Academy, students are required to choose one Career Cluster.
- ❖ The student must complete three course credits in the cluster to fulfill the graduation requirements for the Technical Career Academy.
- ❖ Students are allowed to take classes that appear in different clusters as electives, but must complete three credit courses in one cluster.
- ❖ Students will receive priority scheduling into their selected clusters, before students who are taking the classes as electives.
- ❖ The following is a list of possible Career Cluster choices:

## Career Clusters/Sequence

### Moniteau Media Cluster

1. Media 1-.05 Credit
2. Media 2-.05 Credit
3. Media 3-1 Credit
4. Media 4-1 Credit or  
Pop Culture and Media-1 Credit

### Moniteau Technology Education Cluster

1. Manufacturing and Construction 1-.05 Credit
2. Manufacturing and Construction 2-1 Credit
3. Manufacturing and Construction 3-1 Credit
4. Engineering & Design-.05 Credit

### **Moniteau Engineering and Design Cluster**

1. Engineering & Design-.05 Credit
2. Systems Engineering-.05 Credit
3. Advanced Engineering 1-1 Credit
4. Advanced Engineering 2-1 Credit

### **Moniteau Vocal and General Music Cluster(Fine Art)**

1. Choir 9-1 Credit or  
Ensemble (Audition Based)-1 Credit or  
Guitar 1-.05 Credit
2. Senior High Choir-1 Credit or  
Ensemble (Audition Based)-1 Credit or  
Guitar 2-.05 Credit
3. Senior High Choir-1 Credit or  
Ensemble (Audition Based)-1 Credit or  
Guitar 3-.05 Credit  
Guitar 4-.05 Credit  
Music Appreciation-.05 Credit

### **Moniteau Instrumental Music Cluster(Fine Art)**

1. Senior High Band-1 Credit
2. Senior High Band-1 Credit
3. Senior High Band-1 Credit

### **Moniteau Family Consumer Science Cluster**

1. FCS 1-.05 Credit
2. Baking-.05 Credit
3. Chef's Corner-.05 Credit
4. Personal Life-.05 Credit
5. Child Development 1-.05 Credit
6. Child Development 2-.05 Credit

### **Moniteau Business Cluster**

1. Business 1: Introduction to Business-1 Credit
2. Business 2: Marketing-1 Credit
3. Business 3 – Sports and Entertainment Marketing.05 Credit
4. Foundations of Personal Finance-.05 Credit

**Moniteau Computer Programming Cluster**

1. Computer Applications-.05 Credit
2. Introduction to Computer Programming-.05
3. AP Computer Science A-1 Credit
4. Cobalt-.05 Credit (2024-25)
5. Python-.05 Credit (2024-25)

**Moniteau Visual Art Cluster(Fine Art)**

1. Studio Art 1-.05 Credit
2. Studio Art 2-.05 Credit
3. Drawing-1 Credit
4. Ceramics 1-.05 Credit
5. Ceramics 2-.05 Credit
6. Ceramics 3-1 Credit
7. Art History-.05 Credit

**CTE Completer/Concentrator Career Academy**

CTE Student, Industry Certification

The following **26** Credits are required for the CTE Completer/Concentrator Career Academy:

English	<b>4</b>	Health	<b>.50</b>
Social Studies	<b>3</b>	Personal Finance	
Science	<b>3</b>	or	
Math	<b>4</b>	Essential Skills	<b>.50</b>
Physical Education	<b>1.5</b>	<b>CTE Courses</b>	<b>9</b>
		Electives	<b>6.5 Possible/.5 Needed</b>

- ❖ Students who are enrolled in a three-year program at Butler County Vo-Tech will choose this Career Academy.
- ❖ Students who select one of the three Vocational Agricultural Program at Moniteau High School will choose this Academy. The following courses are required to complete the state requirements for our vocational agricultural programs.

## CTE Vocational Agricultural Programs and Courses

### 01.0000 Agriculture, General

- 9th Grade-** Introduction to Agriculture-.50 Credit  
Agricultural Technology and Leadership-.50 Credit  
SAE 1-.50 Independent Study Credit
- 10<sup>th</sup> Grade-** Agricultural Mechanics-.50 Credit  
Welding-.50 Credit  
Animal Systems-1 Credit  
SAE 2-.50 Independent Study Credit
- 11<sup>th</sup> Grade-** Plant Systems-1 Credit  
Wildlife and Fisheries-.50 Credit  
Agricultural Business-.50 Credit  
SAE 3- 1 Independent Study Credit
- 12<sup>th</sup> Grade-** Natural Resource Management-.50 Credit  
Bio. Technology and Food Science-.50 Credit  
Special Projects-1 Credit  
SAE 4- 1 Independent Study Credit

### 01.0601 Horticulture

- 9th Grade-** Introduction to Agriculture-.50 Credit  
Agricultural Technology and Leadership-.50 Credit  
SAE 1-.50 Independent Study Credit
- 10<sup>th</sup> Grade-** Plant Systems-1 Credit  
Agricultural Business-.50 Credit  
Bio. Technology and Food Science-.50 Credit  
SAE 2-.50 Independent Study Credit
- 11<sup>th</sup> Grade-** Introduction to Horticulture-1 Credit  
Greenhouse Production & Management-.50 Credit  
Agricultural Business-.50 Credit  
SAE 3- 1 Independent Study Credit
- 12<sup>th</sup> Grade-** Hydroponics-.50 Credit  
Landscaping & Soil Design-.50 Credit  
Special Projects-1 Credit  
SAE 4- 1 Independent Study Credit

## **01.0201 Agricultural Mechanization**

- 9th Grade-** Introduction to Agriculture-.50 Credit  
Agricultural Technology and Leadership-.50 Credit  
SAE 1-.50 Independent Study Credit
- 10<sup>th</sup> Grade-** Agricultural Manufacturing & Construction 1-.50 Credit  
Agricultural Mechanics-.50 Credit  
Welding-.50 Credit  
SAE 2-.50 Independent Study Credit
- 11<sup>th</sup> Grade-** Agricultural Manufacturing & Construction 2-1 Credit  
Agricultural Business-.50 Credit  
Systems Engineering-.50 Credit  
SAE 3- 1 Independent Study Credit
- 12<sup>th</sup> Grade-** Agricultural Manufacturing & Construction 3-1 Credit  
Engineering & Design-.50 Credit  
Special Projects-1 Credit  
SAE 4- 1 Independent Study Credit

### **Weighted Courses**

A student must earn an “A”, “B”, or ”C” grade to receive the additional weighted value. A student who receives a “D” will obtain the credit value for the course but not the weighted value. AP courses earn an additional weighted value of 10 points and honors courses earn an additional weighted value of 5 points.

The following is a list of the weighted courses:

AP Biology	Honors English 9
AP Calculus	Honors English 10
AP Chemistry(2023-2024)	Honors Geometry
AP Comparative Government (2024-2025)	Honors Algebra II
AP Computer Science	Honors Biology 1
AP English Language	
AP English Literature	
AP Psychology	
AP Statistics	
AP United States History	
AP United States Government (2023-24)	

## Moniteau Grading Scale

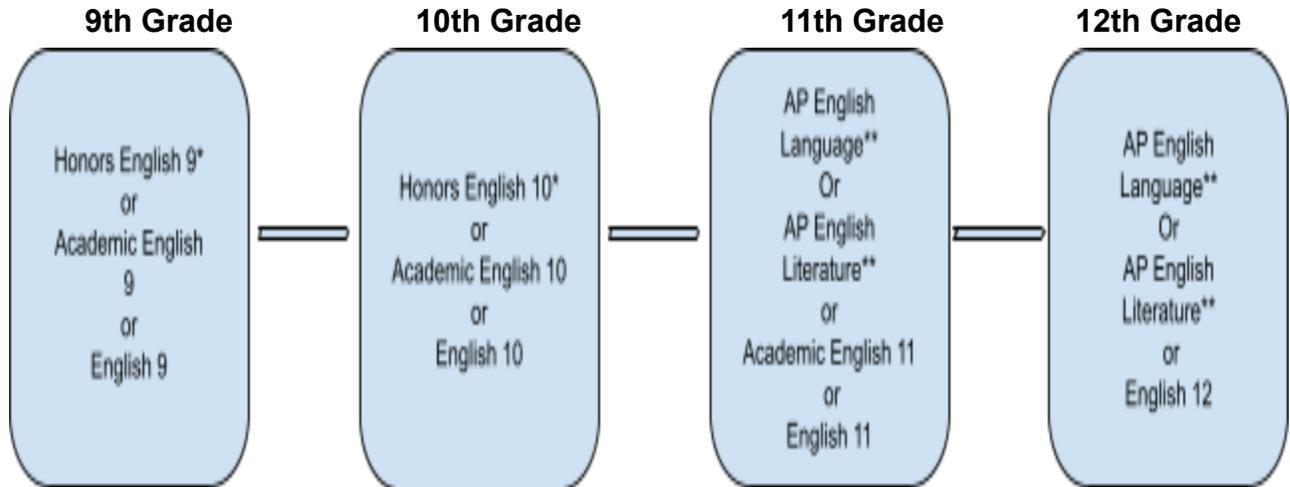
90-100%	A
80-89%	B
70-79%	C
60-69%	D
0-59%	E

## **Course Selection Change Policy**

1. **AP and Honors courses cannot be dropped once the preceding school year has ended.**
2. Schedule change requests **must** be in writing, signed by a parent/guardian and returned to a counselor.
3. Selection of courses may require adjustment due to the successful completion of classes in a summer school program or due to the elimination of classes as a result of low enrollment or staffing concerns.
4. Course changes for semester and full year classes may be requested **during the summer preceding the school year by scheduling a meeting with a school counselor during the summer schedule change session**
5. Course changes may also occur **with administrative discretion** outside of the scheduled course change period if:
  - 1.) The student's course selection(s) is incorrect due to administrative error.
  - 2.) The student has significantly revised his/her career plans and other courses are required by the post secondary educational institution.
  - 3.) The Student opts to change his/her **elective** course choice providing:
    1. Student space is available in the newly selected course.
    2. The change will not significantly affect the class size of the other new selected course (i.e. computer class).
  - 4.) The student is successful in an approved summer school that will affect course selections for the new school year.

## Recommended Sequence of English Courses

Students are encouraged to select an educational path in the horizontal path. The educational path may be selected or adjusted following established procedures and discussions with teachers, students, parents, and counselors.



### Key

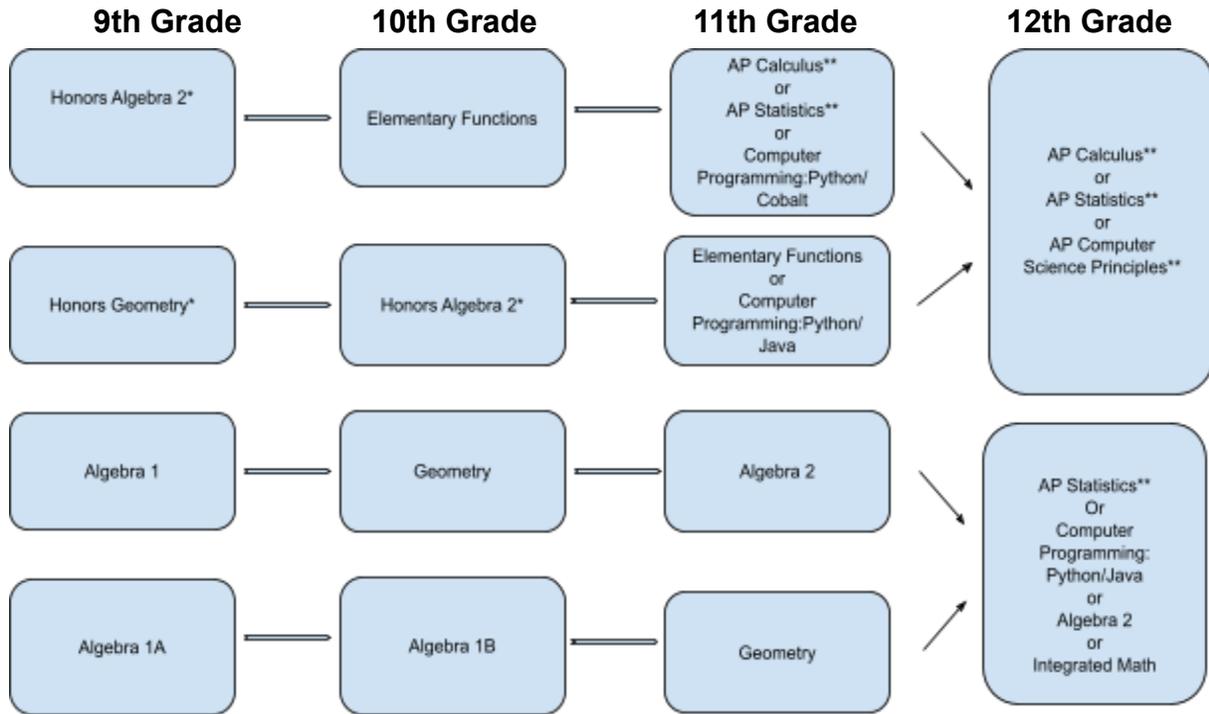
Honors Course Credit\*  
Advanced Placement Credit\*\*

### Department Electives

Mythology-Semester  
Journalism  
Creative Writing-Semester  
Yearbook

## Recommended Sequence of Math Courses

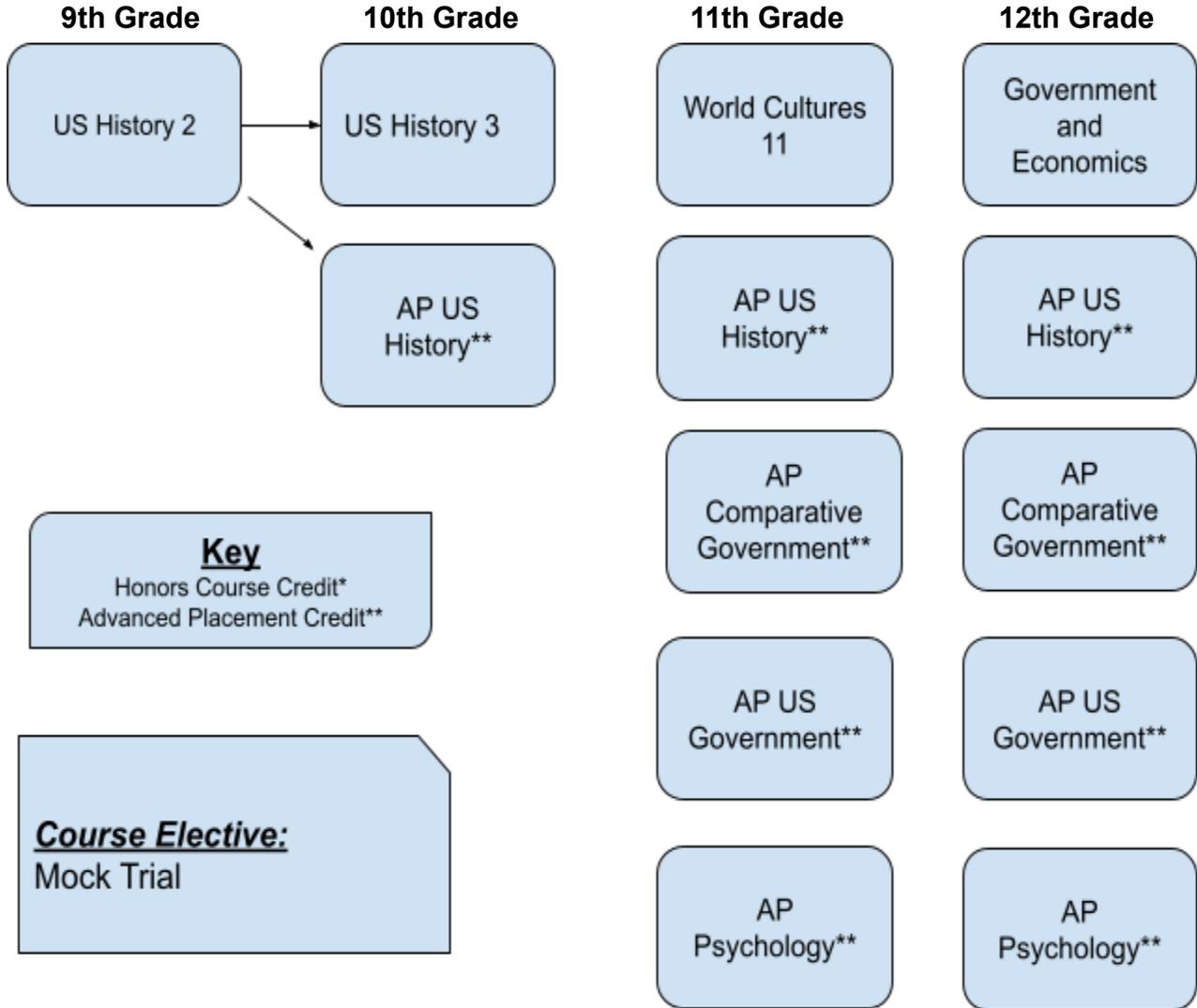
Students are encouraged to select an educational path in the horizontal path. The educational path may be selected or adjusted following established procedures and discussions with teachers, students, parents, and counselors.



**Key**  
 Honors Course Credit\*  
 Advanced Placement Credit\*\*

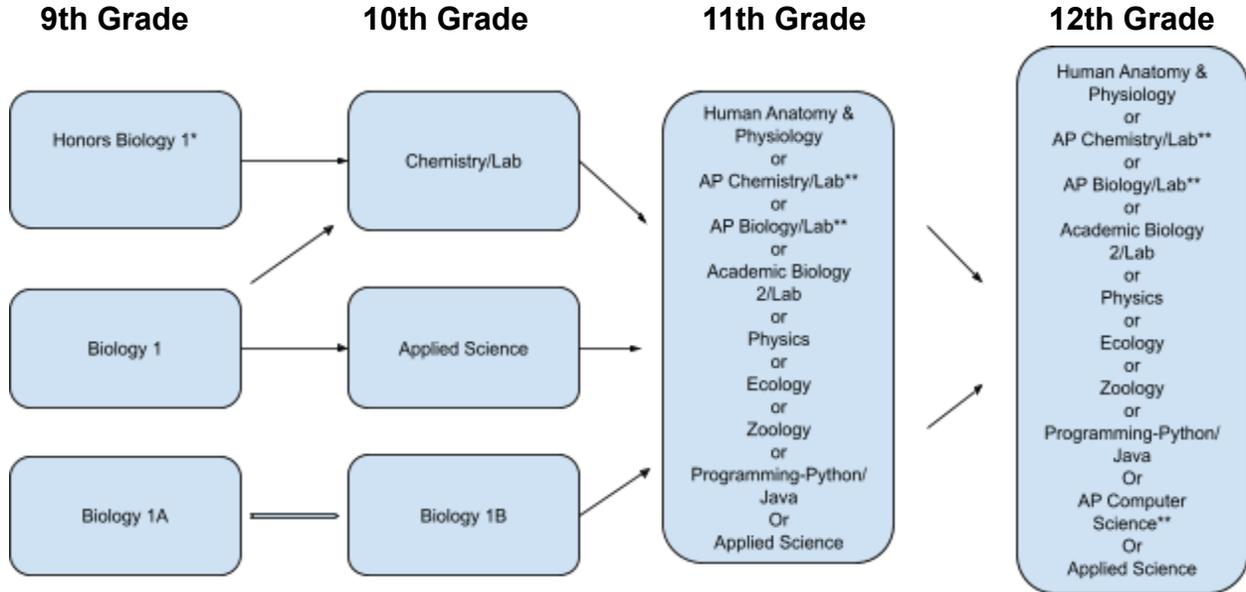
# Recommended Sequence of Social Studies Courses

Students are encouraged to select an educational path in the horizontal path. The educational path may be selected or adjusted following established procedures and discussions with teachers, students, parents, and counselors.



# Recommended Sequence of Science Courses

Students are encouraged to select an educational path in the horizontal path. The educational path may be selected or adjusted following established procedures and discussions with teachers, students, parents, and counselors



**Key**  
Honors Course Credit\*  
Advanced Placement Credit\*\*

# COURSE INDEX

## GRADE 9

<b><u>REQUIRED COURSES</u></b>	<b><u>PAGE</u></b>		
<b><u>English</u></b>		Foundation of Personal Finance	22
Honors English	18	Intro. To Agriculture	23
Academic English	18	Intro. to Family Consumer Sci.	23
English 9	18	Introduction to Guitar 1	23
		Manufacturing & Construction I-Ag.	23
		Media Production 1 & 2	24
		Music Appreciation	24
		Mythology	24
<b><u>Math</u></b>		Personal Fitness/Weight Training	24
Keystone Requirement	18	SAE I	25
Algebra 1	19	Statistics	25
Algebra 1A	19	Studio Art I & II	25
Honors Geometry	19	Systems Engineering	25
Honors Algebra 2	19	Academic Decathlon	26
		Band	26
<b><u>Science</u></b>		Business 1 & 2	26
Keystone Requirement	19	Choir 9	27
Honors Biology 1	20	Concert Choir	27
Biology 1	20	Ensemble	27
Fundamental Biology 1A	20	French I	27
		Journalism	27
		Mock Trial	27
<b><u>Social Studies</u></b>		Spanish I	28
US History 2	20	Yearbook	28
		<b><u>Resources</u></b>	<b><u>28 - 29</u></b>
<b><u>Physical Education</u></b>			
Adapted Physical Ed 9	20		
Physical Education 9	20		
<b><u>ELECTIVE COURSES</u></b>			
Ag Technology & Leadership	21		
Art History	21		
Baking	21		
Business: Sports and Marketing	21		
Ceramics 1 & 2	21		
Computer Applications	22		
Creative Writing	22		
Engineering & Design 1	22		
Essential Skills	22		

## ENGLISH

Students are required to take four English courses in Grades 9 – 12. Providing the students meet the prerequisites, they may take any combination of General, Honors, Academic, or AP English classes.

### **ENGLISH 9- HONORS -**

1 CREDIT

This course is an advanced course that has been designed for students who have excelled in English. This course includes many involved projects requiring the independent reading of short stories and novels, extensive research, and papers of considerable length. **Students who choose to take this course must complete a summer reading and writing assignment.**

### **ENGLISH 9 - ACADEMIC -**

1 CREDIT

This course is designed to challenge college bound students in several elements of English literature, poetry, short stories, research, plays, and essays. Students will work on several individualized assignments, problem solving and critical thinking techniques, and small / large group activities. Grammar and usage will be reviewed based on the needs of the students as reflected in the students' writing samples.

### **ENGLISH 9 - GENERAL -**

1 CREDIT

This course is structured to focus on the content presented in Academic English. The detail and depth of the material presented and the pace of instruction will be determined by the needs of the students. Grammar, mechanics, and usage will be based on the needs of the students as reflected in the students' writing samples. Students will participate in reading, writing, speaking, listening, and thinking activities to build skills that will be utilized after graduation.

## MATHEMATICS

Students are required to take four Math courses in Grades 9 – 12. They may take any combination of classes offered by the Math Department. Students will participate in the Algebra I Keystone assessment upon the completion of Algebra I or Algebra 1B. All Students will take Algebra I, Geometry, and Algebra II. Upon completion of those courses they may choose from Elementary Functions, Calculus, Personal Consumer Math, Integrated Math, AP Calculus, or AP Statistics.

### **Algebra I Keystone Requirement**

- If a student passes the Algebra I class and the Keystone Algebra I Exam, he/she has met the graduation requirement for Algebra I.
- If a student fails the Algebra I class but passes the Keystone Algebra I Exam, the student will be required to complete the Algebra I class.
- If a student fails both the Algebra I class and the Keystone Algebra Exam, he/she will be required to complete the Algebra I class and the re-test for the Keystone Algebra I Exam in the student's sophomore and/or junior year.

**ALGEBRA I –**

1 CREDIT

Students will study Operations with Real Numbers, Linear Equations and Inequalities, Linear Functions, and Data Organizations. This course will prepare students to be successful on their Keystone Algebra Exam and Geometry.

**ALGEBRA 1A -**

1 CREDIT

This full year course is designed to cover the first half of Algebra 1. Students will study Operations with Real Numbers and Expressions, Linear Equations and Inequalities, and Functions.

**HONORS GEOMETRY -**

1 CREDIT

Geometry deals with the development of an axiomatic system, including postulates, definitions and theorems. Properties of geometric objects will be studied and these include: lines and planes; the polygon with a focus on quadrilaterals and triangles; circles; and polyhedral and other solids. Students will be required to use higher level thinking skills on advanced geometry topics. This course will help students prepare for Honors Algebra 2 and “Geometry-like” questions that they may find on the SAT test. Honors Geometry is to be taken after successfully completing Junior High Algebra.

**HONORS ALGEBRA II -**

1 CREDIT

In this course, the students will study linear relations and functions including: systems of equations and inequalities, relations, equations, and inequalities. Students will also study quadratic polynomial rational and radical functions and relations. The course also involves an in depth look at the sets of real and imaginary numbers. Additionally, this course studies matrices and statistics. This course will prepare students to be successful on their SAT and Elementary Functions course. Honors Algebra II is to be taken after successfully completing Honors Geometry..

## SCIENCE

Students are required to take three or four science credits in Grades 9 – 12. They may take any combination of classes offered by the Science Department. As per the guidelines developed by the PA Department of Education students will participate in the Biology I Keystone assessment upon the completion of Biology I or Fundamental Biology 1B.

**Keystone Biology Requirement**

- If a student passes the Biology I class and the Keystone Biology I Exam, he/she has met the graduation requirement for passing the Biology I class.
- If a student fails the Biology I class but passes the Keystone Biology I Exam, the student will be required to complete the Biology I class in order to meet graduation requirements.
- If a student fails both the Biology I class and the Keystone Biology I Exam, he/she will be required to complete the Biology I class and the re-test for the Keystone Biology I Exam during the student’s sophomore and/or junior school year.

**HONORS BIOLOGY 1-**

1 CREDIT

This full year course is an advanced course that has been designed for students who have excelled in Science. Honors Biology includes a large emphasis on lab techniques, projects, activities, data analysis and lab reports to help prepare students for more advanced science courses later on in their academic career.

**BIOLOGY I –**

1 CREDIT

Biology I is a course that is required for all students as a prerequisite to completion of the Keystone Biology assessment. This course covers the scientific process, biochemistry, cells, homeostasis, genetics and the unity of life. Labs include the use of the microscope, extraction of DNA, dissection of the worm, frog and hands on labs that support much of the eligible content contained within the Keystone exam.

**FUNDAMENTAL BIOLOGY 1A-**

1 CREDIT

This full year course is designed to cover the first half of Biology 1. Students will study Basic Biological Principles, the Chemical Basis of Life, Cell Structure, and the External and Internal Environments of Organisms.

**SOCIAL STUDIES****US HISTORY II -**

1 CREDIT

This course covers United States history from 1865 to the Vietnam War. The course will continue to develop the student's respect and understanding for our American heritage and way of life. Students learn that American History is a story of people from many nations, creeds and races who worked together to build a strong nation. The course will help students understand the past and present relationship of the United States with the world. It will raise student awareness by emphasizing the historical roots of current problems.

**PHYSICAL EDUCATION****ADAPTIVE PHYSICAL EDUCATION 9 –**

.5 CREDIT

This course consists of an individualized program of exercises and activities for those who are recommended for the class. Modified sports activities will be presented to improve the student's limited condition. Course difficulty ranges from mild to moderate depending on the student's physical challenge.

**PHYSICAL EDUCATION 9 –**

.5 CREDIT

Students will be provided with instruction that will enable them to display skills and practices of a physically active lifestyle. Students will gain knowledge about the benefits of physical activity and about achieving a healthy state of well-being. Sport skills, fitness skills, and lifelong activities will be addressed. This is a required course and cannot be taken as an elective. Students must pass the preceding Physical Education class before enrolling in the next level.

## ELECTIVES

### **.50 CREDIT**

#### **AGRICULTURAL TECHNOLOGY & LEADERSHIP (Grade 9) - .5 CREDIT**

Agricultural technology and leadership is a semester course that is offered with Introduction to Agriculture in ninth grade. This course focuses on technology in agriculture under crop and animal production, agricultural mechanics, soils, and other agriculture enterprises. The course also incorporates leadership and the Future Farmers of America into daily lessons and curriculum. The history, opportunities, and goals of the Future Farmers of America are discussed along with parliamentary procedure and other leadership and citizenship discussions. Participation in Future Farmers of America student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

#### **ART HISTORY – (Grades 9-12) - .5 CREDIT**

Students in this class will be introduced to various art movements from different cultures and time periods. After learning about an art movement, students will then create a piece of art reflective of that particular art movement or time period. For example, after learning about Greek Art, students could make a ceramic Greek inspired vase.

#### **BAKING (Grades 9-12) - .5 CREDIT**

This course provides an overview of baking and allows for students to learn basic techniques for making quick breads, cakes, cookies, candies, pies, and tarts. The baking process, leavening agents, and the importance of careful measuring and precisely following directions are emphasized.

#### **BUSINESS: SPORTS & ENTERTAINMENT MARKETING (Grades 9-12) .5 CREDIT**

The field of sports and entertainment marketing is rapidly growing. In this course we will explore the intriguing world of sports and entertainment from the perspective of marketing. The core standards of marketing will be incorporated throughout the course that will focus on collaboration, teamwork and projects that you would potentially encounter in the real world of marketing.

#### **CERAMICS (Grades 9-12) - .5 CREDIT**

Ceramics is designed to introduce students to the various ceramic hand building processes and a working knowledge of wheel thrown pottery. The course will integrate the design and construction of ceramic ware using a full spectrum of artistic tools, techniques and materials. The students will also learn surface decoration and glazing methods. Students will also gain a working knowledge of multiple kilns and firing processes. The history of ceramics, work of contemporary artists, and various ceramic careers will be covered.

#### **CERAMICS 2 – (Grades 9-12) - .5 CREDIT**

Ceramics two builds upon skills from the ceramics one course. Students will review handbuilding techniques (slab, coil, cut and scoop, pinch pot) and will also be introduced to the potter's wheel. The potter's wheel will become more of a focus in this course. Students will also be introduced to loading and unloading a kiln, history of ceramics, historical and contemporary ceramic work, art careers, and kiln types.

**COMPUTER APPLICATIONS (Grades 9-12) -****.5 CREDIT**

A semester course that engages students in emerging technologies and programs that help guide learning, provide you with instant feedback, provide for collaboration, make life easier, keep you organized and help make learning fun. Subjects and programs include Google Drive tools such as Sheets, Doc, Forms and Draw. Other online tools supplement programs that are used for word processing, data analysis and presentation. Students work in group settings with presentations and project based assessments.

**CREATIVE WRITING (Grades 9-12) –****.5 CREDIT**

Students can elect to take creative writing, a half-year course aimed to increase students' abilities to compose original short stories, poems, narratives, screenplays, speeches, and scripts. Students will participate in various writing workshops to edit and revise their work. This class will also involve presentation of work.

**ENGINEERING & DESIGN 1 (Grades 9-12) -****.5 CREDIT**

A semester class that focuses on the implementation of the design process to solve a variety of complex problems. 3-D computer drawing is taught and will be implemented with all projects. Students will utilize engineering and design principles to produce desired outcomes. Some example projects that will be taught in the class are: 1. The Transportation Model 2. Mousetrap Vehicle 3. Bridge Building

**ESSENTIAL SKILLS (Grades 9-12)-****.5 CREDIT**

This class will teach students life skills that are essential to master in order to live as a functioning adult. These skills are targeted to help students carry out simple tasks that will be presented in both their personal, and professional lives. Life skills such as; balancing a checkbook, reading a tape measure, fixing a plumbing leak, mortgage and renting, how to change a tire, checking the fluid levels in a car, infant care and parenting, as well as similar skills that a student will need as a functioning member of society. Course is an elective, but can be taken at any grade level.

**FOUNDATIONS OF PERSONAL FINANCE (Grades 9-12) -****.5 CREDIT**

Personal Finance is 80% behavior and 20% knowledge. It is important to teach teens how to take control of their money so they can avoid huge money mistakes in the future. Students will learn how to budget, save, spend wisely, and avoid debt. Students will develop an education and career plan that will help them obtain and grow their income over time. Students will understand investment and retirement portfolios. Insurance and financial risk will also be reviewed.

**INTRODUCTION TO AGRICULTURE (Grade 9)-****.5 CREDIT**

Introduction to the Agricultural Industry is an orientation course that provides students an opportunity to learn how the agricultural industry is organized. The course's major components include the economic influence of agriculture at the state, national, and global scale.

Furthermore, the scope and types of job opportunities in the agricultural field will be extensively examined. Topic clusters in this course include animal science, plant science, soil science, horticulture, natural resources and environmental science, agribusiness management, and agricultural mechanics. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

The Agriculture curriculum provides for training in agriculture and related agricultural areas. Future Farmers of America (FFA) is an integral part of agriculture education. FFA is a national organization for students preparing for careers in the industry of agriculture or agribusiness. FFA activities and award programs complement instruction in agriculture education by giving students practical experience in the application of agricultural skills and knowledge gained in the classroom. A major emphasis of the FFA is to prepare young people for leadership roles in their agriculture careers. To join the FFA, you must be enrolled in agriculture education for a minimum of one school year. Students may retain their membership until the age of 21. A dues fee is necessary every year to continue enrollment and the fees can come from the student's individual account after the first year. Agriculture students working toward program completion will be given priority when scheduling agriculture courses.

**INTRODUCTION TO FAMILY & CONSUMER SCIENCE (Grades 9-11) - .5 CREDIT**

This course will introduce the student to nutrients that the human body requires, as well as carbohydrates, proteins, fats, vitamins, minerals, and water. Building on knowledge of the necessary nutrients, the student will learn about foods and meal preparation essential to the body.

**INTRODUCTION TO GUITAR 1 (Grades 9-12) -****.5 CREDIT**

Students will be introduced to the basics of proper guitar care and maintenance, strum patterns, note reading, TAB, and repertoire. Students will be expected to achieve specific performance goals and demonstrate consistent growth on their instrument.

**MANUFACTURING & CONSTRUCTION 1-AGRICULTURAL(Grades 9-12) .5 CREDIT**

A semester class that builds on what was already learned in Intro to Manufacturing and Design. It will add many different components of the construction trade, such as electrical, framing, plumbing, and drywall. Students will also do some woodworking. Students will be able to pick a project that the teacher approves. The students will then learn the problem solving process/manufacturing process to finish their desired projects.

**MEDIA PRODUCTION I – (Grades 9-12) - .5 CREDIT**

A one-semester exploratory course is offered in both the fall and the spring semesters, which provides an introduction to the tools, principles and techniques of television production. Areas covered include studio production, location shooting and editing. Emphasis is placed on attendance and professionalism throughout the course. Students will help create the morning announcements seen on TEAU TV. Students may only take this course once.

**MEDIA PRODUCTION II – (Grades 9-12) - .5 CREDIT**

A one semester class is offered in the fall and the spring semesters, which provides the foundation of the TEAU TV production program. Thorough attention is given to the studio production, location, videography, linear and non-linear editing computer graphics, and audio and video production projects. Students learn how to negotiate the entire media production process, from initial planning and treatments to delivery of a final product. Solid academics and work habits are also stressed. Students will create and edit footage for morning announcements seen on TEAU TV. Students may only take this class once.

**MUSIC APPRECIATION (Grades 9-12) – .5 CREDIT**

This is a 9 -12 grade course that covers American music 1900 – Present. The study of music genres, artists, technologies, and cultural influences. The class will involve a traditional lecture format combined with technologies/media.

**MYTHOLOGY (Grades 9-12) - .5 CREDIT**

Mythology is a semester-long elective that is intended to provide students with the extrinsic information that is necessary to fully understand references in academic literature. As a part of this course, students will study numerous figures, events, and texts from various ancient civilizations. Concepts studied in this course include but are not limited to Roman, Egyptian, and Greek gods and goddesses; Biblical figures; Roman, Egyptian, and Greek legends (ie. Hercules, Helen of Troy, etc.); historic events (ie. The Exodus, Greek Wars, and Roman Wars).

**PERSONAL FITNESS AND WEIGHT TRAINING (Grades 9-12) .5 CREDIT**

This course will focus on the discussion and participation in weight training to develop and increase muscular strength, muscular endurance, flexibility, and body composition. Areas of concentration will include selection and proper use of weight room equipment, strength training, circuit training, plyometrics, programming, injury prevention and sports specific training. Students will be required to design and follow an appropriate training program. Students will document their progress through a portfolio composed of teacher and self assessments. May be used as a Physical Education graduation requirement credit in place of PE 10. This course can be taken as an elective in 9th-12th Grades.

**SAE I (Grades 9-10) - *\*INDEPENDENT STUDY COURSE\**** .5 CREDIT  
Supervised Agricultural Experience (SAE) is designed to provide students with opportunities to gain experience in the agriculture field(s) in which they are interested. Students will experience and apply what is learned in the classroom, laboratory, and training site to real-life situations. Students work closely with their agricultural teacher, parents, and/or employers to get the most out of their SAE program. The course is offered as an independent study for students in the “completer” phase of the agriculture education program. SAE programs can include entrepreneurship, agriculture placement, improvement, exploratory, and research. Projects such as raising livestock, raising pheasants, working for a feed mill, home, garage, or building repair or improvement, studying wildlife behavior using trail cams and movement patterns, etc. **MUST complete the SAE record book to receive credit.**

**STATISTICS (Grades 9-12) –** .5 CREDIT  
In this course, students will be introduced to the processes and procedures involved in collecting, analyzing and interpreting data. Students will learn how to properly conduct a survey or experiment. Also, students will study the patterns found in the survey or experimental data and make predictions using patterns, probability and simulations. Lastly, students will be engaged in the analysis of the data and the testing of hypotheses.

**STUDIO ART I (Grades 9-12) –** .5 CREDIT  
This course is an in-depth study of the elements of design. An emphasis on understanding and using color, line, shape, value, etc in art work will be covered. Art History is integrated with projects for a greater understanding of projects and the past and present art world. Projects, critiques, and material safety will all be covered in this class.

**STUDIO ART II (Grades 9-12) –** .5 CREDIT  
Students will continue studying the elements of design more in-depth. Students will also learn how to combine the elements by studying the principles of designs to create dynamic compositions. Art History, projects, and critiques are the basic make-up of the class.

**SYSTEMS ENGINEERING (Grades 9-12) -** .5 CREDIT  
A semester class that focuses on the implementation of the design process to solve a variety of complex problems. 3-D computer drawing is taught and will be implemented with all projects. Students will learn how systems work together in order to produce a desired outcome. Some example projects that will be taught in the class are: 1. The Trebuchet 2. Egg Drop Vehicle 3. Solid Fuel Rocket

## **1 CREDIT**

### **ACADEMIC DECATHLON (Grade 9-12) –**

1 CREDIT

This is a course of study that aligns with the United States Academic Decathlon Curriculum where students will be required to complete intense study in each of the following areas: Art, Economics, Language, Literature, Math, Music, Science, and Social Studies. Each year the enrichment theme changes, however, the in-depth study of fundamentals does not change. Each student will gain interpersonal skills as they compose and deliver speeches, undergo interviews, and debate materials in a group setting. Students will attempt to qualify for three Academic Sports League competitions and could possibly advance to USAD regional, state, and even national competitions. This reading and writing intensive course can help create college and higher-level study skills that can relate to any discipline of future study. \*After school study sessions are mandatory during competition preparation. The course lectures and discussions begin during the summer via weekly meetings. Although the weekly meetings are not required, student participation is highly recommended.

### **BAND (Grades 9-12) –**

1 CREDIT

Senior High Band offers students in grades 9-12 who play an instrument the opportunity to perform in an ensemble setting. The band performs at all football games, several parades, and four public concerts a year. Participation at all performances is required. *Dance & Drill members are part of the Band. After football season, students will opt for Band or Choir and receive 1 credit or be placed in study hall for the remainder of first semester and receive no credit. Students will be required to compete for a position on the Dance & Drill squad. Students not opting for Band or Choir may select an elective for second semester.*

### **BUSINESS 1: INTRO TO BUSINESS- (Grades 9-12) -**

1 CREDIT

Introduction to Business is a full year elective course designed to introduce students considering entering the business profession to exciting and challenging concepts and practices. Through the information and activities covered in class, students will increase their preparation to be a knowledgeable consumer, a well-prepared employee, and an effective citizen in today's economy, all while gaining experience working within our school store. Topics will focus on two week units covering general topics in business including entrepreneurship, free market, ownership, business planning, finance, marketing, accounting, and emerging technologies in the profession.

### **BUSINESS 2: MANAGEMENT AND WORK: (Grades 9-12) -**

1 CREDIT

Business 2 is a full year elective course designed for students to practice management scenarios in the real world and continue to consider entering business as a profession. Through the information and activities covered in class, students will effectively be running the school store operations with oversight from the teacher. Students will increase their preparation to be a knowledgeable consumer, a well-prepared employee, and an effective citizen in today's economy. Topics will focus on two week units covering general topics in business including entrepreneurship, free market, ownership, business planning, finance, marketing, accounting, and emerging technologies in the profession. The instruction will conclude after the first semester and project based assessments will be the focus of the second semester with remediation and extensions as needed. People management and training will be a theme throughout the units.

**CHOIR 9 – (Grade 9) -**

1 CREDIT

The students will learn and perform various genres and styles of choral arrangements. Participation is required in all concert performances throughout the school year. This will enable students the opportunity to showcase their talents and learned skills.

**CONCERT CHOIR (Grades 9-12) -**

1 CREDIT

The Concert Choir is a mixed choral group from Grades 9-12. The choir meets daily to rehearse a variety of musical styles. Singing skills, music theory and music reading are incorporated throughout the class. Participation in all concerts is a requirement of the course.

**ENSEMBLE CHOIR (Grades 9-12) -**

1 CREDIT

The Ensemble Choir is a competitive mixed choral group from grades 9-12. Students will be selected for participation in this course. The Ensemble Choir will meet daily to rehearse performance-based programming. Ensemble will incorporate various styles of music along with a variety of skills related to music reading and interpretation. Participation in scheduled concerts and performances is a requirement of this course. Basic singing appreciation for various styles of music and skills in reading music is included in the course.

**FRENCH I – (Grades 9-12) -**

1 CREDIT

This course includes basic vocabulary and grammar necessary for students to communicate about school, friends, family, travel, shopping, and sports. Students will learn about various cultures of the French-speaking world. Reading, writing, speaking, and listening are the skill components of this course.

**JOURNALISM 1 (Grade 9)–**

1 CREDIT

This course focuses on the historical, ethical, and rhetorical components of journalism. Students will gather and report the news by writing news features, sports articles, and editorials for the school newspaper. They will become knowledgeable in the areas of interviewing and editing techniques. Mock press conferences will be held regularly to strengthen speaking and listening skills, and research on current events is required. This course also focuses on the design and layout of the school newspaper. Students will revise, edit, and publish articles written by other students. Students will create templates and newspaper pages on the computer and place articles into the final layout to design the overall layout of the paper. Students are responsible for all photography, captions, artwork, headlines, and sidebars. A school newspaper will be published each grading period.

**MOCK TRIAL (Grades 9-12)**

1 CREDIT

This is a course for 9<sup>th</sup> – 12<sup>th</sup> grade students that studies the American judicial system. Students will use critical thinking skills to analyze a civil or criminal case and to prepare attorney or witness parts. They will improve debate and speaking skills, and create structured opposing viewpoints. Students are required to compete in a minimum of two Mock Trial competitions throughout the year. Students will be required to stay after school as needed to participate in attorney led workshops.

**SPANISH I (Grades 9-12) –**

1 CREDIT

This is a full-year course in which students practice fundamentals of the language including pronunciation and grammatical patterns for communicating at a novice level. Emphasis is placed on everyday conversation, cultural insights, and customs and traditions of the Spanish-speaking world.

**YEARBOOK PRODUCTION 1 (Grade 9) -**

1 CREDIT

Yearbook Production includes all the basics of journalism: page design, copyrighting photography, and artwork. In addition to learning these basics, students will gain the experience of applying these skills as well as the experience of selling ads to local businesses. Students will be responsible for completing yearbook pages from designing computerized layouts to writing copy to cropping and proof reading. Student photographers are needed to supplement the professional photography and take good quality prints both in school and after school. The following skills will be taught in Yearbook:

<b>Yearbook 1 (9<sup>th</sup>-12<sup>th</sup> Grades)</b>	<b>Yearbook 2 (10<sup>th</sup>-12<sup>th</sup> Grades)</b>	<b>Yearbook 3 (11<sup>th</sup>-12<sup>th</sup> Grades)</b>
Taking candid photographs	Editing photographs	Pre-editing of all pages (Editors)
Working fundraisers	Helping to organize fundraisers	Managing various fundraisers
Scanning ads and photographs	Downloading & uploading photos	Designing & creating business ads
Formatting layouts	Designing layouts	Creating page templates
Learning color patterns	Mentoring Level I students	Mentoring Level II students
Learn captions and headlines	Write captions and headlines	Yearbook public relations
	Manage advertising	Distribution of the yearbooks
		Organizing underclassmen and club picture days

**Resources:**

**Occupational Outlook Handbook:** [www.bls.gov/oco](http://www.bls.gov/oco)

**College Catalogs:** [www.collegeresources.org](http://www.collegeresources.org)

**College Search:** [www.collegenet.com](http://www.collegenet.com)

[www.collegeview.com](http://www.collegeview.com)

[www.embark.com](http://www.embark.com)

[www.usnews.com/usnews/edu/eduhome.htm](http://www.usnews.com/usnews/edu/eduhome.htm)

[www.princetonreview.com](http://www.princetonreview.com)

[www.nces.ed.gov/ipeds/cool](http://www.nces.ed.gov/ipeds/cool)

[www.petersons.com](http://www.petersons.com)

**Career Planning:** [www.acinet.org/acinet](http://www.acinet.org/acinet)

[www.adventuresineducation.org](http://www.adventuresineducation.org)

[www.bestjobusa.com](http://www.bestjobusa.com)

<http://www.aie.org/>

[www.careerinfonet.org/](http://www.careerinfonet.org/)

[www.pacareerstandards.com](http://www.pacareerstandards.com)

[www.overview.com/colleges](http://www.overview.com/colleges)  
[www.papsa.org](http://www.papsa.org)  
[www.bls.gov](http://www.bls.gov)  
[www.pacareerzone.com](http://www.pacareerzone.com)  
[www.acrnetwork.org](http://www.acrnetwork.org)  
**Testing:** [www.act.org](http://www.act.org)  
[www.collegeboard.com](http://www.collegeboard.com)  
[www.kaplan.com](http://www.kaplan.com)  
[www.testprep.com](http://www.testprep.com)  
**Athletics:** [www.naia.org](http://www.naia.org)  
[www.ncaa.org](http://www.ncaa.org)  
[www.nsr-inc.com](http://www.nsr-inc.com)  
**Military:** [www.af.mil](http://www.af.mil)  
[www.goarmy.com](http://www.goarmy.com)  
[www.rotc.monroe.army.mil](http://www.rotc.monroe.army.mil)  
[www.usrotc.com](http://www.usrotc.com)  
**Financial Aid:** <https://profileonline.collegeboard.com/prf/index/jsp>.  
<http://iefa.org/>  
<http://studentaid.ed.gov>  
<http://www.nasfaa.org/>  
<http://www.fafsa.ed.gov>  
<http://pheaa.org/>  
<http://www.fastweb.com>  
<http://salliemae.com/>  
<http://finaid.org/>  
<http://scholarship-page.com/>  
<http://www.gocollege.com/>  
**General Info:** <http://dir.yahoo.com/education/programs>  
[www.ed.gov/pubs](http://www.ed.gov/pubs)  
[www.collegeboard.com](http://www.collegeboard.com)  
[www.acenet.edu](http://www.acenet.edu)  
[www.collegenight.com](http://www.collegenight.com)  
[www.mycollegeguide.org/index](http://www.mycollegeguide.org/index)  
[www.collegeispossible.com](http://www.collegeispossible.com)  
[www.nacac.com](http://www.nacac.com)  
[www.princetonreview.com](http://www.princetonreview.com)