

# Pike Road Historic School



**PATRIOTS**

**Course Catalog  
2018-2019**

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Pike Road, AL 36064

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## Administration

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## Superintendent

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## **INTRODUCTION**

Pike Road Historic School (PRHS) welcomes you to its 2018-19 school year. It is hoped that you participate in the various school programs and find yourself challenged to achieve beyond your expectations. The following information should be helpful as you select courses for the school year and your four-year program/plan.

### **Promotion**

In high school, a pupil's progress from one grade to the next is based on the number of earned credits. Students are required to complete one unit from each of the four academic areas each year. Students with deficiencies in required subjects need to enroll in summer school. Promotion standards are below:

To 10 <sup>th</sup> :	6 credits	Must pass all four core classes
To 11 <sup>th</sup> :	13 credits	Must pass all four core classes
To 12 <sup>th</sup> :	21 credits	Must pass all four core classes
Graduation:	24 credits	Must meet graduation requirements

### **Extra-curricular Activities & Athletic Eligibility**

Pike Road Historic School utilizes the following regulations for eligibility by students to participate in athletics and/or extra- curricular activities:

1. Each student entering grades 10, 11, and 12 must have passed during the last two semesters in attendance and summer school, if applicable, at least six (6) Carnegie units of credit, including one credit each in English, science, social studies, and mathematics (core courses). A composite numerical average of 70 must be attained in those six subjects.
2. Physical education may count as only one (1) unit per year.
3. No more than two (2) Carnegie units may be made up during summer school. Summer school work may substitute for regular school work failed in computing the 70 average.
4. Eligibility may be determined before the start of each new school year or at the beginning of the second semester. A student who is academically eligible at the beginning of the school year remains eligible for the remainder of that school year so far as grades are concerned. A student who obtains eligibility at the beginning of the second semester remains eligible for the remainder of the second semester.
5. Each eligible student must meet the definition of a regular student as defined by the Alabama High School Athletic Association. To be eligible, 9th, 10th, and 11th grade students must be carrying at least six new units. 12th graders on track for graduation with more than the required number of units earned must be carrying at least four new units for the year. 7th and 8th graders must be carrying at least five new subjects.
6. This policy applies to all athletic and extracurricular activities.

Students deemed ineligible for participation under rules of this policy may continue in coursework but shall not be allowed to participate in extracurricular activities or athletic events. Events (examples only) such as club conventions, parades, other types of trips and competitions, trips by tour companies, performance at various meetings, etc. are extracurricular and students academically ineligible under this policy shall not be allowed to participate.

### **NCAA Requirements for College Athletes**

It is the student's responsibility to review the NCAA requirements and schedule classes accordingly. Students must make sure the NCAA Initial-Eligibility Clearinghouse has the documents to certify eligibility. Not all courses at PRHS meet the NCAA eligibility requirements. Please see the school counselor or principal for assistance or questions.

## **ADVANCED PLACEMENT AND PRE-AP COURSES**

Advanced Placement courses are accelerated in rigor and pace. Advanced Placement (AP) allows students to complete college level studies while in high school. Pre-AP courses are designed to prepare students for the rigors of AP. Enrollment in Pre-AP courses does not mean a student must take AP courses.

### **The Values of Advanced Placement**

More than 90% of four-year institutions in the United States grant credit on the basis of qualifying AP Exam scores (for more info visit: [www.collegeboard.com/ap/creditpolicy](http://www.collegeboard.com/ap/creditpolicy)). An AP course experience favorably impacts 85% of admission decisions of selective colleges and universities. AP coursework increases scholarship opportunity and improves chances of college admission. The AP Exam fee is less than most college textbooks. Students who take AP courses and exams are much more likely than their peers to complete a college degree on schedule in 4 years. The testing fee (approximately \$92) may be reduced or waived based solely upon the guidelines articulated by the AL State Department of Education for free/reduced lunches. Therefore, no student will be denied participation in the AP Program due to financial hardship.

### **Advanced Placement (AP) Exams**

Advanced Placement exams are administered near the end of the school year. Students enrolled in AP courses are required to sign up for the Advanced Placement exam in the spring. AP exam scores range from 1 (no recommendation) to 5 (extremely well-qualified). Scores of 3 and above may lead to college credit and/or advanced placement in particular course areas. Students should check with the counselor's office concerning a specific college's advanced placement policies.

## **GRADING SCALE BEGINNING 2018-2019**

<b>Standard</b>	<b>Quality Points</b>	<b>Pre-AP / Honors</b>	<b>AP (Weighted)</b>
A = 90 - 100	4	4.5	5
B = 80 - 89	3	3.5	4
C = 70 - 79	2	2.5	3
D = 0 - 69	0	0	0

## ALABAMA HIGH SCHOOL DIPLOMA REQUIREMENTS

AREAS OF STUDY	REQUIREMENTS	CREDITS
English/Language Arts	English 9, 10, 11, and 12, or any AP/postsecondary equivalent option of these courses	4
Mathematics	Algebra I, Geometry, and Algebra II with Trig or Algebra II, or their equivalent; additional course(s) to complete the four credits in mathematics must be chosen from the Alabama Course of Study: Mathematics or CTE/AP/postsecondary equivalent courses	4
Science	Biology and physical science; a third and fourth science credits may be used to meet both the science and CTE course requirement and must be chosen from the Alabama Course of Study: Science or CTE/AP/postsecondary equivalent courses	4
Social Studies	World History, US History x 2, and Government/Economics or AP/postsecondary equivalent courses	4
Physical Education	LIFE (personal fitness)	1
Health Education	Alabama Course of Study: Health Education	0.5
Career Preparedness	Career Preparedness Course (Career and Academic Planning, Computer Applications, Financial Literacy)	1
CTE and/or Foreign Language and/or Fine Arts	Students choosing CTE, Fine Arts, and/or Foreign Language are encouraged to complete two courses in sequence.	3
Electives		2.5
<b>TOTAL CREDITS REQUIRED FOR GRADUATION</b>		<b>24</b>

### ENDORSEMENTS

- Alabama State Diploma with PRHS Advanced Academic Endorsement
  - Two Foreign Language credits (same language)
  - One additional Math above Pre-Calculus
  - Three AP or Dual Enrollment Course Credits (any combination)
  
- Alabama State Diploma with PRHS Career and Technical Endorsement
  - Three Career Technical Education (sequenced program of courses)
  
- Alabama State Diploma with PRHS Advanced Academic Endorsement and Career and Technical Endorsement
  - Two Foreign Language credits (same language)
  - One additional Math above Pre-Calculus
  - Three AP or Dual Enrollment Course Credits (any combination)
  - Three Career Technical Education (sequenced program of courses)

## ENGLISH COURSE OFFERINGS

<u>9<sup>th</sup> Grade</u>	<u>10<sup>th</sup> Grade</u>	<u>11<sup>th</sup> Grade</u>	<u>12<sup>th</sup> Grade</u>
-English 9 -Honors English 9 (PreAP)	-English 10 -Honors English 10 (PreAP)	-English 11 -AP Language and Composition -English Composition I (Dual Enrollment) -English Composition II (Dual Enrollment)	-AP Literature and Composition -English Composition I (Dual Enrollment) -English Composition II (Dual Enrollment)

**Graduation requirements:** Four credits to include the equivalent of English 9, English 10, English 11, and English 12.

**\*English Composition I and English Composition II offered through Dual Enrollment**

### **English 9**

These young readers will move to literary criticism based on critical principles instead of personal reaction. Students will gain a mastery of literary vocabulary and focus on critical principles in writing responses to serious literature. Students will continue to use simple, well-practiced patterns but gain experience in more complex, less familiar forms. In expressing themselves, students will gain experience in more complex forms

of writing and explore mature means of expressing appropriate for adult-level writing, speaking, and presenting. These experiences seek to influence students to become lifelong readers and appreciators of language and literature. Summer reading is required.

### **Honors English 9 (PreAP)**

This accelerated course helps to prepare students for the rigor of AP. Students will gain a mastery of literary vocabulary and focus on critical principles in writing responses to serious literature. Students will continue to use simple, well-practiced patterns but gain experience in more complex, less familiar forms. In expressing themselves, students will gain experience in more complex forms of writing and explore mature means of expressing appropriate for adult-level writing, speaking, and presenting. These experiences seek to influence students to become lifelong readers and appreciators of language and literature. Summer reading is required.

### **English 10**

Prerequisite: English 9

Course covers Early American Literature (pre-1900) through reading, writing, and vocabulary activities. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required.

### **Honors English 10 (PreAP)**

Prerequisite: English 9 or Honors English 9 (PreAP)

This accelerated pace course covers Early American Literature (pre-1900) through reading, writing, and vocabulary activities. This course provides skills for literary analysis of readings, as well as advanced composition that will prepare students for Advanced Placement English Language or Advanced Placement English Literature. Summer reading is required and students will be tested during the first week of the semester.

## **English 11**

Prerequisite: English 10 or Honors English 10 (PreAP)

Contemporary American Literature (1900-present) will be emphasized with strong emphasis on literary analysis and argumentative writing. Vocabulary expansion, comprehension, and word recognition are emphasized in reading activities. This course fulfills the requirements needed for post-secondary education including ACT test preparation in reading and English. Summer reading is required.

## **AP English Language and Composition**

Prerequisites: Honors English 10 (PreAP)

This Advanced Placement course is accelerated in rigor and pace. Advanced Placement (AP) English Language is a college level course which provides skills for rhetorical analysis of writings, as well as advanced composition (portfolio, essays and on-demand assignments). It is designed for advanced readers and writers who are eager to examine the use of language in depth. Summer reading is required. A list will be provided in April. This course fulfills the English 11 core requirement. This is an intensive reading and writing course that parallels to English 101 and 102 at the college level. Participation in the national AP test is a mandatory component in the rigor of this course.

## **English 12**

Prerequisite: English 11

This course is a survey of classical British Literature from the Anglo-Saxon period to the Modern Age. Students will engage in critical listening, speaking, reading, and writing activities designed to integrate the strands of the language arts and further develop thinking and problem-solving abilities. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required.

## **AP English Literature and Composition**

Prerequisite: English 11 or AP English Language

This Advanced Placement course is accelerated in rigor and pace. Advanced Placement (AP) English Literature is a college level elective course that provides skills for literary analysis of literature, as well as advanced composition. Summer reading is required. This course fulfills the English 12 core requirement. Participation in national AP test is a mandatory component in the rigor of this course.

## **English Composition I (Dual Enrollment)**

English Composition I provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage.

PREREQUISITE: Successful completion of ENG 093; or a score of 42 or better on the English section of ASSET; or a score of 20 or better on the ACT (or equivalent SAT score).

## **English Composition II (Dual Enrollment)**

English Composition II provides instruction and practice in the writing of six (6) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally.

Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage.

PREREQUISITE: A grade of "C" or better in ENG 101 or the equivalent.

## **MATH COURSE OFFERINGS**

<u>9<sup>th</sup> Grade</u>	<u>10<sup>th</sup> Grade</u>	<u>11<sup>th</sup> Grade</u>	<u>12<sup>th</sup> Grade</u>
-Algebra I -Geometry	-Geometry -Algebra II -Honors Algebra II w/ Trig (PreAP)	-Geometry -Algebra II -Algebra II w/ Trig -PreCalculus -AP Calculus AB	-Algebra with Finance -Algebra II w/ Trig -PreCalculus -AP Calculus AB -AP Statistics

**Graduation requirements:** Four credits to include the equivalent of Algebra I, Geometry, and Algebra II.

### **Algebra I**

This course provides instruction in the fundamental skills of algebra and their applications. Topics include rational and irrational numbers, systems of equations, inequalities, operations with polynomials, factoring, and functions. Successful completion of Algebra I in the eighth grade will allow students to be eligible for Geometry their 9<sup>th</sup> grade year.

### **Geometry**

Prerequisite: Algebra I

This course introduces the study of polygons, circles, solid figures, and their associated relationships as a mathematical system. The focus is on comparisons between these figures using congruency, similarity, transformations, and coordinate geometry. Emphasis is placed on the use of inductive, deductive, and intuitive reasoning skills, as well as the development of proofs. A student's skill set including abstract reasoning, spatial visualization and logical reasoning is improved through this course. Geometry is a full course class that moves at a faster pace than Alg. I A and Alg. I B. This pace requires students to practice concepts taught in class via homework.

### **Algebra II**

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. THE PREREQUISITES FOR ALGEBRA II ARE ALGEBRA I AND GEOMETRY. Algebra II is a course designed to extend students' algebraic knowledge and skills beyond Algebra I. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of mathematics. To help students appreciate the power of algebra, application-based problems are incorporated throughout the course. The use of appropriate technology is also encouraged for numerical and graphical investigations. Algebra II is required to complete the graduation requirements for the Alabama High School Diploma. Algebra II does not provide sufficient background to prepare students to pursue higher-level mathematics courses such as Pre-Calculus, Analytical Mathematics and Discrete Mathematics.

### **Algebra with Finance**

Prerequisite: Algebra I and Geometry

This course integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level. Students are encouraged to use a variety of problem-solving skills and strategies in real-world contexts, and to question outcomes using mathematical analysis and data to support their findings.



## **Algebra II with Trigonometry**

Prerequisite: Algebra I and Geometry

Provides a more in-depth treatment of algebraic concepts presented in Algebra I while introducing several higher-level topics. Quadratic equations function graphing, systems of equations and inequalities, and trigonometry are topics expanded in this course. Complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics and probability topics include determination of regression line and application of counting principles.

## **Honors Algebra II with Trigonometry (PreAP)**

Prerequisite: Algebra I 8<sup>th</sup> Grade and Advanced Geometry 9<sup>th</sup> Grade

Provides a more in-depth treatment of algebraic concepts presented in Algebra I while introducing several higher-level topics. Quadratic equations function graphing, systems of equations and inequalities, and trigonometry are topics expanded in this course. Complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics and probability topics include determination of regression line and application of counting principles. This course is designed to prepare students for Pre-Calculus.

## **Precalculus**

Prerequisite: Algebra II w/ Trig

This is a college-preparatory course with a rigorous intensity and pace intended for highly motivated students who have successfully completed Algebra II with Trigonometry. A variety of topics are reviewed and expanded upon, including trigonometry, complex numbers, functions, and graphing. New content areas, such as polar coordinates, conic sections, vectors, and elementary statistics are also developed thoroughly. The basic Calculus concepts of limits and derivatives are introduced along with a variety of additional topics in order to give the college-bound student a solid foundation for Calculus and other advanced math courses.

## **AP Calculus AB**

Prerequisite: Precalculus or Honors Precalculus (PreAP)

A course which covers functions, limits, derivatives and integrals of algebraic functions and their applications, applications of the definite integral, derivatives and integrals of the trigonometric functions, derivatives and integrals of the logarithmic and exponential functions, area between curves, and volumes of solids of revolution.

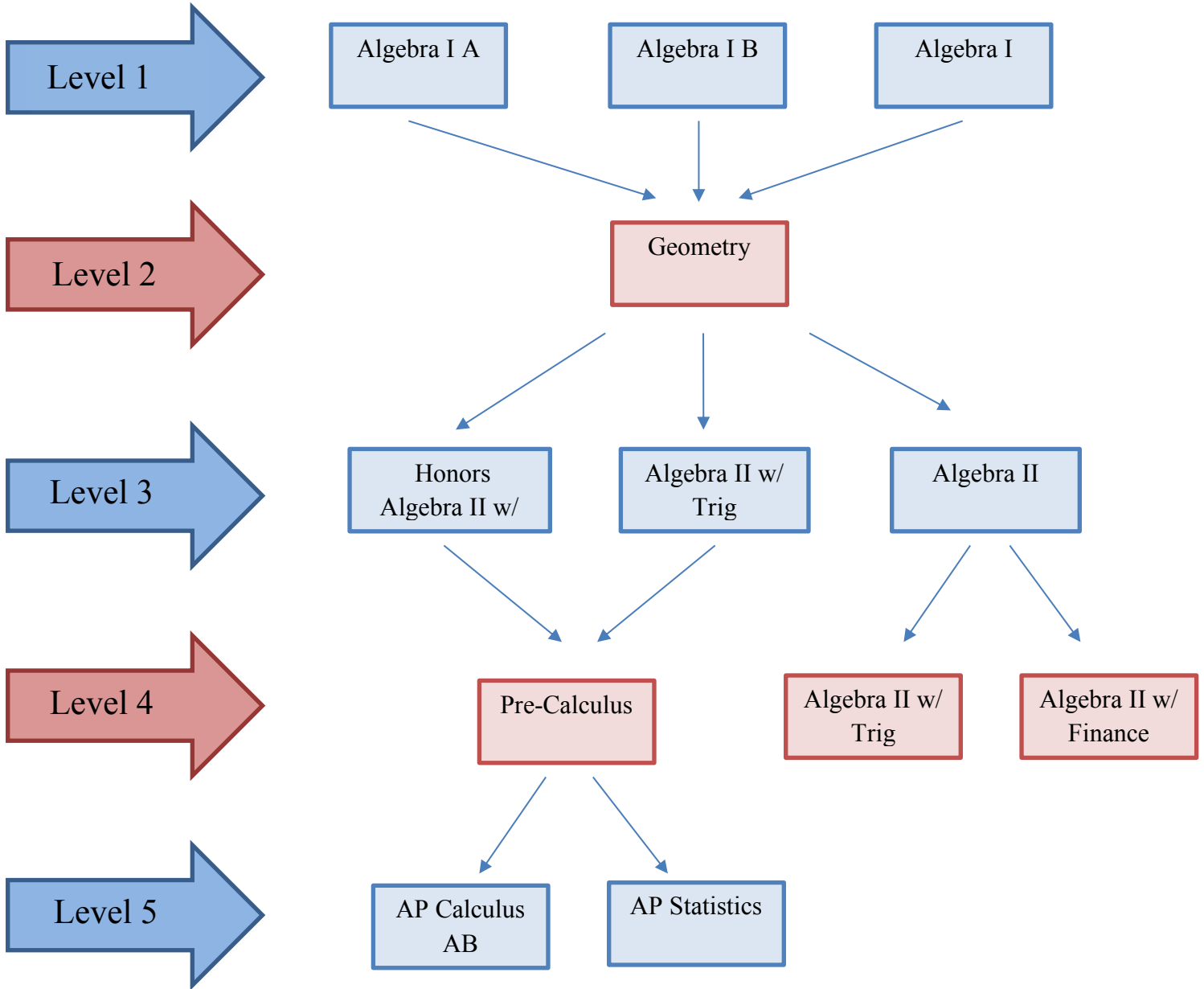
## **AP Statistics**

Prerequisite: Algebra II w/ Trig

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

## PRHS Mathematics Classes Flowchart

Students must have passed the course in the shaded box before moving to the next level. If you are unsure where to place a student, please contact the current or previous math teacher.



## SCIENCE COURSE OFFERINGS

<u>9<sup>th</sup> Grade</u>	<u>10<sup>th</sup> Grade</u>	<u>11<sup>th</sup> Grade</u>	<u>12<sup>th</sup> Grade</u>
-Biology -Honors Biology (PreAP)	-Physical Science -Chemistry -Honors Chemistry (PreAP)	-Chemistry -Human Anatomy and Physiology -Environmental Science -AP Chemistry -AP Biology	-Human Anatomy and Physiology -Environmental Science -Physics -AP Chemistry -AP Biology

**Graduation requirements:** Four credits to include Biology, a Physical Science (Physical Science or Chemistry), and two additional Sciences.

### **Biology (9<sup>th</sup> Grade)**

Required for graduation, Biology introduces students to the vast diversity of organisms and the characteristics that define life. Units include biodiversity, cells, interdependence, genetics, and evolution. Inquiry based laboratory work is required. Course work addresses standards to be college and career ready in science.

### **Honors Biology (PreAP) (9<sup>th</sup> Grade Only)**

This is an accelerated course designed to prepare students for Advanced Placement, but taking AP is not mandatory. This course meets the biology graduation requirement. Biology introduces students to the vast diversity of organisms and the characteristics that define life. Units include biodiversity, cells, interdependence, genetics, and evolution. Inquiry based laboratory work is required. Course work addresses standards to be college and career ready in science.

### **Physical Science (10<sup>th</sup> Grade)**

Surveys concepts taught in chemistry and physics. Requires basic math skills and prepares the student for continued study in science, meets the physical science graduation requirement, and is recommended for students going through Algebra IA and IB to help better prepare them for Chemistry.

### **Chemistry**

NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life.

### **Honors Chemistry (PreAP)**

#### **Prerequisite: Biology and Algebra I**

This is an accelerated course that covers chemistry core content standards with increased mathematical and conceptual rigor: scientific process and application skills; matter classifications; carbon chains; the periodic table; solutions; kinetic theory; stoichiometry; ideal gases; physical and chemical changes; and

chemical and nuclear reactions. This course fulfills the physical science graduation requirement and is the recommended course prior to AP Chemistry.

### **Human Anatomy & Physiology (11<sup>th</sup> or 12<sup>th</sup> grade)**

Prerequisite: Biology and either Chemistry (recommended) or Physical Science

This course is an in-depth study in human anatomy and physiology with emphasis on all body systems.

Dissection of specimens, including sharks, pigs, and other organisms as available, is required in the course.

This course is suggested for those juniors and seniors who plan to enter a medical field.

### **Environmental Science**

Prerequisite: Biology and Physical Science

This course focuses on the study of ecological principles and their application to field studies and human interaction. Students will learn how certain current trends, such as population growth, water pollution, and depletion of natural resources affect the ability of the human population to sustain itself. Ways to modify these trends to benefit civilization is also strongly emphasized. Fieldwork is an integral and required part of this course.

### **AP Chemistry**

Prerequisite: Biology and Chemistry

This course is the equivalent of first semester college chemistry (inorganic chemistry). Topics such as the structure of matter, kinetic theory of gases, chemical equilibrium, chemical kinetics, and the basic concepts of thermodynamics are presented in considerable depth. Lab work is an integral part of the course. Chemistry topics stipulated by the College Board will be covered in depth and detail. Participation in national AP test is a mandatory component in the rigor of this course. **Participation in the national AP test is a mandatory component in the rigor of this course.**

### **AP Biology**

Prerequisite: Biology and Chemistry

Equivalent to first year college major's biology. Content includes: organisms, populations, structure and function of plants and animals, and ecology. Participation in national AP test is a mandatory component in the rigor of this course. **Participation in the national AP test is a mandatory component in the rigor of this course.**

### **Physics (12<sup>th</sup> Grade)**

NOTE: FULFILLS THE A "PHYSICAL SCIENCE" GRADUATION REQUIREMENT. Detailed exploration of properties of physical matter, physical quantities, motion and stability, energy, and waves and their applications for information transfer through authentic investigations and engineering design processes.

## SOCIAL STUDIES COURSE OFFERINGS

<u>9<sup>th</sup> Grade</u>	<u>10<sup>th</sup> Grade</u>	<u>11<sup>th</sup> Grade</u>	<u>12<sup>th</sup> Grade</u>
-Honors World History (PreAP)	-US History I -AP US History	-US History II -AP US History	-US Government and Economics -AP Government -AP Economics

**Graduation requirements:** Four credits to include the equivalents of Early U.S. History, Modern U.S. History, World History, U.S. Government and Economics.

### **Honors World History (PreAP)**

This high school survey course covers World History from 1500 to the present. Content standards for this grade incorporate the strands of economics, geography, history, and political science. This curriculum provides opportunities for students to analyze development and changes in the European, Asian, African, and American civilizations and ways in which the interactions of these cultures have influenced the formation of today's world.

### **U.S. History I**

The purpose of this course is to examine the historical and intellectual origins of the United States during the Exploration, Revolutionary, and Constitutional eras. While focusing on political and economic history, this course provides the basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States and Alabama History. No substitution can be made for college coursework.

### **AP United States History**

This course contains clear learning objectives for the AP U.S. History exam, emphasizing the development of critical thinking skills used by historians and aligning with contemporary scholarly perspectives on major issues in U.S. history. This course is designed to encourage students to become apprentice historians who are able to use historical facts and evidence in the service of creating deeper conceptual understanding of critical developments in U.S. history. This course will review early American history but will focus on modern American history from post-Reconstruction (1877) to the present day. **Participation in the national AP test is a mandatory component in the rigor of this course.**

### **U.S. History II**

Prerequisite: U. S. History I

The purpose of this course is to examine the causes and consequences of the Industrial Revolution to America's growing role in present-day diplomatic relations. Emphasis is placed on political, social, ethnic, and international interactions. Knowledge gained is a continuation of the previous year's study of American history. No substitution can be made for college coursework.

### **Economics & Government** \*Must register for both classes

Prerequisite: Senior requirement

The study of economics has as its theme the economic problems that surround all consumers. This course is designed to relate personal, economic decision-making to the total economy (Topics include money and banking, labor, taxation, income-tax returns, and consumer issues). The government section is the study of the nature and essential functions of federal, state and local government.

**AP Government & AP Economics** \*Must register for both classes

Prerequisite: Senior requirement

This course will cover major microeconomics concepts such as scarcity, markets, supply, demand, theory of the firm, and the impacts of government regulation. At the end of the year students are strongly urged to take the Advanced Placement Exam for possible college credit. is designed to give students a critical perspective of government and politics in the United States. It involves both the study of general concepts used to interpret United States politics and the analysis of specific case studies. Also required is a familiarity with the various institutions, groups, beliefs, and ideas that make up the United States political reality. Students will schedule this course with Economics. At the end of the year students are strongly urged to take the Advanced Placement Exam for possible college credit.

## ELECTIVE COURSE OFFERINGS

Subject	Course	Credit
Foreign Language	Spanish I	1.0
	Spanish II*	1.0
	Spanish III*	1.0
	Spanish IV*	1.0
	Chinese I	1.0
	Chinese II*	1.0
	Chinese III*	1.0
	Chinese IV*	1.0
	French I	1.0
	French II*	1.0
	French III*	1.0
	Health	Health Education
Physical Education	LIFE P.E.	1.0
	Fitness and Conditioning	1.0
	Baseball I	1.0
	Baseball II*	1.0
	Baseball III*	1.0
	Baseball IV*	1.0
	Football I	1.0
	Football II*	1.0
	Football III*	1.0
	Football IV*	1.0
	Volleyball I	1.0
	Volleyball II*	1.0
	Volleyball III*	1.0
	Volleyball IV*	1.0
	Track/Cross Country I	1.0
	Track/Cross Country II*	1.0
	Track/Cross Country III*	1.0
	Track/Cross Country IV*	1.0
	Basketball I	1.0
	Basketball II*	1.0
Basketball III*	1.0	

	Basketball IV*	1.0
	Soccer I	1.0
	Soccer II*	1.0
	Soccer III*	1.0
	Soccer IV*	1.0
	Tennis I	1.0
	Tennis II*	1.0
	Tennis III*	1.0
	Tennis IV*	1.0
	Wrestling I	1.0
	Wrestling II*	1.0
	Wrestling III*	1.0
	Wrestling IV*	1.0
	Golf I	1.0
	Golf II*	1.0
	Golf III*	1.0
	Golf IV*	1.0
CTE –Agriculture Science	Fundamentals of Agriscience	1.0
	Intermediate Agriscience*	1.0
	Advanced Agriscience*	1.0
	Senior Pathway Project*	1.0
(SMAW Plate Welding)	WDT-108 SMAW Fillet/OFC^	0.5
(SMAW Plate Welding)	WDT-109 SMAW Fillet/PAC/CAC^	0.5
(Manufacturing Welding)	WDT-110 Industrial Blueprint Reading^	0.5
(Manufacturing Welding)	WDT-119 Gas Metal Cored Arc Welding^	0.5
CTE – Engineering	Introduction to Engineering Design	1.0
	Introduction to Robotics	1.0
	Principles of Engineering*	1.0
	Robotics Applications*	1.0
	Senior Career Pathway Project*	1.0
(Drafting & Design Tech.)	DDT-104 Basic Computer Aided Drafting^	0.5
(Drafting & Design Tech.)	DDT-111 Fundamentals of Drafting and Design^	0.5
(Drafting & Design Tech.)	DDT-124 Basic Technical Drawing^	0.5
(Drafting & Design Tech.)	DDT-127 Intermediate CAD^	0.5
(Automotive Man. Tech.)	AUT-104 Blueprint Reading in Manufacturing^	0.5
(Automotive Man. Tech.)	AUT-150 Introduction to Machine Shop I^	0.5
(Automotive Man. Tech.)	AUT-151 Introduction to Machine Shop I Lab^	0.5
(Automotive Man. Tech.)	AUT-161 MSSC Safety Course^	0.5
CTE – Computer Science	Computer Science Essentials	1.0



	AP Computer Science Essentials*	1.0
	AP Computer Science A*	1.0
	Cybersecurity*	1.0
	Senior Pathway Project*	1.0
CTE – Health Science	Foundations of Health Science	1.0
	Human Body Structures and Functions*	1.0
	Therapeutic Services*	1.0
	Health Science Internship*	1.0
CTE – ARTS/AIV	Foundations of Arts, Audio-Video & Comm.	1.0
	Introduction to Advertising Design*	1.0
	Graphic Illustration*	1.0
	Senior Career Pathways*	1.0
(Graphic Design Tech.)	GRD-101 Introduction to Graphics^	0.5
(Graphic Design Tech.)	GRD-112 Layout and Design^	0.5
(Graphic Design Tech.)	GRD-114 Illustration Graphics^	0.5
(Graphic Design Tech.)	GRD-116 Photoshop^	0.5
Fine Arts	Introduction to Concert Band I	1.0
	Concert Band II*	1.0
	Concert Band III*	1.0
	Concert Band IV*	1.0
	Introduction to Theatre I	1.0
	Theatre II*	1.0
	Theatre III*	1.0
	Introduction to Mixed Chorus I	1.0
	Mixed Chorus II*	1.0
	Mixed Chorus III*	1.0
	Mixed Chorus IV*	1.0
	Visual Arts I	1.0
	Visual Arts II*	1.0
	Visual Arts III*	1.0
	Visual Arts IV*	1.0
Other Electives	School Publications/Yearbook I	1.0
	School Publications/Yearbook II*	1.0
	Career Preparedness A	0.5
	Career Preparedness B	0.5
	ACT Prep	1.0
	Speech and Debate I	0.5
	Speech and Debate II*	0.5
	Music Technology (Music Production) I	1.0

	Music Technology (Music Production) II*	1.0
	Music Technology (Music Production) III*	1.0

**\*Prerequisite required**

**^Dual Enrollment with Trenholm State Community College and have a prerequisite of the first two CTE courses in that cluster**

**Graduation Requirements:** Students must complete one semester of health and one year of Physical Education to fulfill requirements for graduation. Physical Education students in physical education and/or athletic programs may earn a maximum of credits in this area of 4 units (one per year). Band substitutes for physical education credit under an existing waiver. Students must also have 3 credits in either Foreign Language and/or CTE and/or Fine Arts.

### **Spanish I**

This course is an introduction to the language, customs, and culture of the Spanish-speaking people. Basic grammar and vocabulary are introduced to promote basic communication. Spanish I includes frequent testing, homework, class work, and oral participation.

### **Spanish II\***

Prerequisite: Spanish I

This course continues to grow basic vocabulary and cultural awareness. Students are introduced to more advanced grammar concepts and more verb tenses. Upon completion of this course, students should be able to talk about what they did in the past, what they do in the present, and what they will do in the future. This course includes frequent testing, homework, classwork, and oral participation.

### **Spanish III\***

Prerequisite: Spanish II

Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of Spanish-speaking cultures.

### **Spanish IV\***

Prerequisite: Spanish III

This one credit course is designed to help the student become confident enough to use Spanish for communication in real life situations. Texts are supplemented by a variety of culturally authentic materials. Reading selections and culture studies are included which help students develop an appreciation of Hispanic literature and cultures.

### **Chinese I**

This course is a beginning class of a yearlong study designed for students with no previous knowledge of Chinese. It introduces students to the official Chinese language, called Putonghua or Mandarin. The topics have been carefully selected to meet the high school students' interests and are arranged in accordance with the rules of learning a second language. Students will be trained in all four language skills: listening, speaking, reading, and writing. At the end of the course, students will be able to use these skills in most authentic environments. Meanwhile, students will be introduced to the Chinese culture and its traditions through active participation in group discussions and projects including customs, life styles, history, music, and philosophy of the Chinese speaking country.

### **Chinese II\***

During this course students will develop a further understanding of Putonghua or Mandarin and build upon what they learned in Mandarin Chinese I. The topics have been carefully selected to meet the high school students' interests and are arranged in accordance with the rules of learning a second language. Students will be trained in all four language skills: listening, speaking, reading, and writing. At the end of the course, students will be able to use these skills in most authentic environments. Meanwhile, students will be introduced to the Chinese culture and its traditions through active participation in group discussions and projects including

customs, life styles, history, music, and philosophy of the Chinese speaking country. Students should also be able to read characters in the textbook. They are expected to acquire and learn more characters and conversations as well. They are supposed to grasp about 15-20 Chinese characters a week.

### **Chinese III\***

This course is an intermediate class of yearlong study designed for students with some previous knowledge of Chinese. The Chinese III requires the student who successfully finishes the Chinese language I & II. During this semester, the students will develop a further understanding of Putonghua or Mandarin. The topics have been carefully selected to meet the high school students' interests and are arranged in accordance with the rules of learning a second language. Students will be trained in all four language skills: listening, speaking, reading, and writing. At the end of the course, students will be able to use these skills in most authentic environments. Meanwhile, students will be introduced to the Chinese culture and its traditions through active participation in group discussions and projects including customs, life styles, history, music, and philosophy of the Chinese speaking country. Students should also be able to read characters in the textbook. They are expected to acquire and learn more characters and conversation as well. They are supposed to grasp about 20-30 Chinese characters a week.

### **French I**

French I is a first-year modern language course which provides students with opportunities to communicate through speaking, writing, reading, and listening at a basic level; to develop insights into French cultures; to better understand their own language and culture; to access knowledge from other disciplines using French; and to participate more fully in the global community.

### **French II\***

French II is a second-year modern language course, which provides a continuum for the review and expansion of the goals of French I. Level II represents a progression in terms of students' facility in handling more complex elements of communication through speaking, writing, reading, and listening; broadening insights into French cultures as well as their own; and enhancing the connections made with other disciplines (as well as the connections made with the community and with the world).

### **French III\***

French III is a third-year modern language course, which provides a continuum for the review and expansion of the goals of French II. Level III represents a progression in terms of students' facility in handling more complex elements of communication; broadening insights into French cultures as well as their own; and enhancing the connections made with other disciplines (as well as the connections made with the community and with the world).

### **Health Education**

Required for graduation

Health seeks to provide instruction to develop an understanding of healthy living. Topics include infectious diseases, including AIDS; abstinence education; first aid; CPR; drug awareness and related problems; nutrition; mental health; and safety.

### **P.E. (LIFE)**

Students are required to take one year of LIFE PE for graduation. Dressing out and participation are the foundations of the grading.

## **Fitness and Conditioning**

Aerobics (aerobic exercise, step aerobics); Pilates; Self-defense; Weight training (body conditioning, cross training, circuit training); Zumba; Spinning

### **Baseball I**

This course covers freshman level baseball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Baseball II\***

This course covers sophomore level baseball techniques. Emphasis is placed on developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Baseball III\***

This course covers junior level baseball techniques. Emphasis is placed on developing higher levels advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Baseball IV\***

This course covers senior level baseball techniques. Emphasis is placed on the highest skills and developing more advanced strategies and techniques. Upon completion, students should be able to play baseball at a competitive level. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Football I**

This course covers freshman level fundamentals of football. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive football. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Football II\***

This course covers sophomore level fundamentals of football. Emphasis is placed on refining skills and developing strategies and techniques. Upon completion, students should be able to participate in competitive football. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Football III\***

This course covers junior level fundamentals of football. Emphasis is placed on advanced skill development, knowledge of the rules, and game strategy. Upon completion, students should be able to participate in competitive football. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Football IV\***

This course covers senior level advanced fundamentals of football. Emphasis is placed on advanced skills, through understanding of the rules, and game strategy. Upon completion, students should be able to participate in

competitive football. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Volleyball I**

This course covers freshman fundamentals of volleyball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive volleyball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Volleyball II\***

This course covers more advanced volleyball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive volleyball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Volleyball III\***

This course covers junior level fundamentals of volleyball. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive volleyball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Volleyball IV\***

This course introduces the advanced senior level skills and rules of volleyball. Emphasis is placed on proper techniques and strategies for playing volleyball. Upon completion, students should be able to play competitive field. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Track/Cross Country I**

This course covers freshman cross country techniques. Emphasis is placed on developing skills and strategies and techniques. Upon completion, students should be able to participate in competitive cross country. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Track/Cross Country II\***

This course covers sophomore cross country techniques. Emphasis is placed on refining skills and developing strategies and techniques. Upon completion, students should be able to participate in competitive cross country. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Track/Cross Country III\***

This course covers junior level cross country techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive cross country. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Track/Cross Country IV\***

This course covers senior advanced cross country techniques. Emphasis is placed on the highest level of skills, advanced strategies, and techniques. Upon completion, students should be able to participate in competitive cross

country. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Basketball I**

This course covers freshman fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive basketball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Basketball II\***

This course covers sophomore level fundamentals of basketball. Emphasis is placed on the refinement of skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive basketball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Basketball III\***

This course covers junior level fundamentals of basketball. Emphasis is placed on developing higher levels advanced strategies and techniques. Upon completion, students should be able to participate in competitive basketball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Basketball IV\***

This course covers senior level advanced fundamentals of basketball. Emphasis is placed on the highest skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive basketball. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Soccer I**

This course covers freshman fundamentals of soccer. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive soccer. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Soccer II\***

This course covers sophomore fundamentals of soccer. Emphasis is placed on continuing skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive soccer. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Soccer III\***

This course covers junior level fundamentals of soccer. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive soccer. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Soccer IV\***

This course covers senior level advanced fundamentals of soccer. Emphasis is placed on advanced skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to

participate in competitive soccer. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Tennis I**

This course covers freshman fundamentals of tennis. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive tennis.

PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Tennis II\***

This course covers sophomore fundamentals of tennis. Emphasis is placed on continuing skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive tennis.

PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Tennis III\***

This course covers junior level fundamentals of tennis. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive tennis.

PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Tennis IV\***

This course introduces the advanced senior level skills and rules of tennis. Emphasis is placed on proper techniques and strategies for playing tennis. Upon completion, students should be able to play competitive tennis.

PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Wrestling I**

This course covers freshman fundamentals of wrestling. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive wrestling.

PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Wrestling II\***

This course covers more advanced wrestling techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive wrestling.

PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Wrestling III\***

This course covers junior level fundamentals of wrestling. Emphasis is placed on refining skill development, rules, and game strategy. Upon completion, students should be able to participate in competitive wrestling.

PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Wrestling IV\***

This course introduces the advanced senior level skills and rules of wrestling. Emphasis is placed on proper techniques and strategies for playing wrestling. Upon completion, students should be able to play competitive field.

PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.



### **Golf I**

This course covers freshman level phases of golf. Emphasis is placed on refining the fundamental skills and learning more phases of the game such as club selection, trouble shots, and course management. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Golf II\***

This course covers sophomore level of golf. Emphasis is placed on refining the fundamental skills and learning more phases of the game. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Golf III\***

This course covers the junior levels of golf. Emphasis is placed on fundamental skills and learning more advanced phases of the game. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Golf IV\***

This course covers senior level advanced golf. Emphasis is placed on advanced skills and learning more advanced phases of the games. Upon completion, students should be able to demonstrate the knowledge and ability to play competitive golf. PREREQUISITE: Completion of the required Lifelong Individualized Fitness Education course or an approved waiver substitution from the ALSDE Superintendent.

### **Fundamentals of Agriscience (Agriculture I)**

Ag I is a prerequisite for some other shop-related Agriscience Education classes. This class provides students with a general overview of the Agriculture, Food, and Natural Resources Cluster, which contains five pathways: Power, Structure, and Technical Systems; Environmental and Natural Resources; Animal Systems; Plant Systems; and Agribusiness Systems. Areas of study include plant science, soil science, animal science, wildlife science, environmental science, forestry, shop safety, woodworking, metalworking, and small engines, technology, and leadership. Learning is accomplished through work in the classroom, laboratory activities, and trips outside the class environment.

### **Intermediate Agriscience (Agriculture II)\***

Prerequisite: Ag I

Ag II is a one credit course that provides a more in depth fundamental coverage of Agriculture, including power, structure, and technical systems; environmental and natural resources systems; animal systems; plant systems; and agribusiness systems. Students will gain additional knowledge of careers in the Agriscience field, as well as shop safety, woodworking, metalworking, and small engines. Learning will be accomplished through classroom work, laboratory activities, as well as trips outside the class environment.

### **Advanced Agriscience (Agriculture III)\***

Prerequisite: Ag I and II

Ag III is a one-credit course that provides students with an intermediate understanding of the Agriculture, Food and Natural Resources cluster, which contains five pathways—Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Intermediate Agriscience is plant systems. The curriculum will provide opportunities for Career Readiness

Indicators utilizing resources from the Youth Beef Quality Assurance, Youth Pork Quality Assurance, and NCCER.

### **Senior Pathway Project – Agriculture, Food & Nat. Res. (Agriculture IV)\***

A one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

### **Welding Construction – SMAW Plate Welding**

#### **WDT-108 SMAW Fillet/OFC 3 (Agriculture) (Dual Enrollment)^**

This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting. This is a CORE course.

#### **WDT-109 SMAW Fillet/PAC/CAC 3 (Agriculture) (Dual Enrollment)^**

This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting. This is a CORE course.

### **Welding Construction – Manufacturing Welding Concentration**

#### **WDT-110 Industrial Blueprint Reading 3 (Agriculture) (Dual Enrollment)^**

This course provides students with the understanding and fundamentals of industrial blueprint reading. Emphasis is placed on reading and interpreting lines, views, dimensions, weld joint configurations and weld symbols. Upon completion students should be able to interpret welding symbols and blueprints as they apply to welding and fabrication. This is a CORE course

#### **WDT-119 Gas Metal Cored Arc Welding 3 (Agriculture) (Dual Enrollment)^**

This course introduces the student to the gas metal arc and flux cored arc welding process. Emphasis is placed on safe operating practices, handling and storage of compressed gasses, process principles, component identification, various welding techniques and base and filler metal identification. This is a CORE course.

### **Introduction to Engineering Design (Engineering I)**

A one-credit course that uses a design development process while enriching problem-solving skills. Students create and analyze models using specialized computer software.

### **Introduction to Robotics (Engineering II)**

A one-credit course designed to introduce students to the fundamentals of robotics. The course emphasizes fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems.

### **Principles of Engineering (Engineering III)\***

A one-credit course designed to explore technology systems and manufacturing processes.

### **Robotics Application (Engineering IV)\***

A one-credit course with emphasis placed on the applications of a variety of robotic systems. Students will design and construct a robotic system with peripheral devices.

### **Senior Career Project (Engineering V)\***

A one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

### **Drafting and Design Technology**

#### **DDT-104 Basic Computer Aided Drafting and Design 3 (Engineering) (Dual Enrollment)^**

This course provides an introduction to basic Computer Aided Drafting and Design (CADD) functions and techniques, using “hands-on” applications. Topics include terminology, hardware, basic CADD and operating system functions, file manipulation, and basic CADD software applications in producing softcopy and hardcopy. This is a CORE course.

#### **DDT-111 Fundamentals of Drafting and Design Technology 3 (Engineering) (Dual Enrollment)^**

This course serves as an introduction to the field of drafting and design and provides a foundation for the entire curriculum. Topics include safety, lettering, tools and equipment, geometric constructions, and orthographic sketching, and drawings. This is a CORE course.

#### **DDT-124 Basic Technical Drawing 3 (Engineering) (Dual Enrollment)^**

This course covers sections, auxiliary views, and basic space geometry. Emphasis will be placed on the theory as well as the mechanics of applying sections, basic dimensioning, auxiliary views, and basic space geometry. This is a CORE course.

#### **DDT-127 Intermediate CAD 3 (Engineering) (Dual Enrollment)^**

This course covers intermediate-level concepts and applications of CADD. Emphasis will be placed on intermediate level features, commands, and applications of CADD software. This is a CORE course.

### **Automotive Manufacturing Technology**

#### **AUT-104 Blueprint Reading in Manufacturing 3 (Engineering) (Dual Enrollment)^**

This course provides the students with terms and definitions, theory of orthographic projection, and other information required to interpret drawings used in the manufacturing and industrial trade areas. Topics include multi-view projection, pictorial drawings, dimensions and notes, lines and symbols, tolerances, industrial applications, scales and quality requirements. Upon completion, students should be able to interpret blueprint drawings used in the manufacturing and industrial trades. This course may be tailored to meet specific local industry needs. This is a CORE course. This course is also taught as INT-261.

#### **AUT-150 Introduction to Machine Shop I 3 (Engineering) (Dual Enrollment)^**

This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling. This course is also taught as MTT-147.

#### **AUT-151 Introduction to Machine Shop I Lab 3 (Engineering) (Dual Enrollment)^**

This course provides practical application of the concepts and principles of machining operations learned in AUT 150. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench

grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling. This course is also taught as MTT-148. (AUT-152 is a suitable substitute for AUT-150 and AUT-151.)

### **AUT-161 MSSC Safety Course 3 (Engineering) (Dual Enrollment)^**

This course is designed to provide students with knowledge and skills related to safety in a manufacturing environment. Topics covered include: Work in a safe and productive manufacturing workplace; perform safety and environmental inspections; perform emergency drills and participate in emergency teams; identify unsafe conditions and take corrective action; provide safety orientation for all employees; train personnel to use equipment safely; suggest process and procedures that support safety of work environment; fulfill safety and health requirements for maintenance, installation and repair; monitor safe equipment and operator performance; utilize effective, safety-enhancing workplace practices. Students completing this course will receive an MSSC certificate in Safety. Students completing courses AUT- 161, 162, 163 and 164 will receive the Certified Production Technician credential.

### **Computer Science Essentials (Computer Science I)**

Computer Science Essentials is a one-credit course that introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language.

### **AP Computer Science Principles (Computer Science II)\***

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.

### **AP Computer Science A (Computer Science III)\***

A one credit college-level course following the curriculum established by the College Board Advanced Placement (AP) Program for computer science; emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development.

### **CyberSecurity (Computer Science III)\***

Cybersecurity - PLTW is a one-credit course that introduces students to the tools and concepts of cybersecurity and encourages them to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

### **Senior Career Pathway (Computer Science IV)\***

A one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

### **Foundations of Health Science (Health Science I)**

A one-credit foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills. This course is a prerequisite to all courses in the Health Science cluster.

### **Human Body Structures and Functions (Health Science II)\***

A one-credit course designed to help students learn care content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning and critical thinking are integral parts of the course.

### **Therapeutic Services (Health Science III)\***

A one-credit course that introduces students to occupations and functions in the therapeutic services pathways. Careers in this area include nursing, medicine, physical therapy, surgical technology, respiratory therapy, emergency medical technician, and more.

### **Health Science Internship 1 (Health Science IV)\***

A one-credit course focusing on basic knowledge and skills necessary for beginning health care workers. Health Science Internship reinforces and applies knowledge learned in classroom and laboratory settings. Content Standards 1,3,4,5,6, and 9 must be taught for this one-credit course.

### **Foundations of Arts, Audio-Video Technology & Communication (ARTS/AIV I)**

A one-credit course designed to introduce students to the areas of Advertising Design, Animation, Commercial Photography, Graphic Arts, and Television Production.

### **Introduction to Advertising Design (ARTS/AIV II)\***

A one-credit course that provides students with instruction and experiences in an advertising design laboratory and studio environment.

### **Graphic Illustration (ARTS/AIV III)\***

A one-credit course that provides students with experiences and instruction in object and information design. The prerequisite for this course is Digital Design.

### **Senior Career Pathway (ARTS/AIV IV)\***

A one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

### **Graphic Design Technology**

#### **GRD-101 Introduction to Graphics 3 (ARTS/AIV IV) (Dual Enrollment)^**

This course introduces the student to the Graphic Design industry. Emphasis is placed on visual language vocabularies, the elements and principles of design, typography, creative problem solving, design processes, current design technologies, and professional expectations of graphic designers. This is a CORE course.

#### **GRD-112 Layout and Design 3 (ARTS/AIV IV) (Dual Enrollment)^**

This course introduces students to layout and design principles using current software. Topics include importing, combining and manipulating text, graphic elements, and images for composite layout. Upon

completion, students should be able to design and layout various projects at a professional level for production. This a CORE course.

### **GRD-114 Illustration Graphics 3 (ARTS/AIV IV) (Dual Enrollment)^**

This course covers the use of vector based software for preparing illustrations for output using form, balance, repetition, proportion, and color theory. Emphasis is placed on creating clip art, logos, and illustrations to be reproduced in print and electronic media. Upon completion, students should be able to successfully prepare scalable artwork for production. This is a CORE course.

### **GRD-116 Photoshop 3 (ARTS/AIV IV) (Dual Enrollment)^**

This course introduces students to digital imaging software. Emphasis is placed on painting and editing, creating special effects, basic image corrections, photo retouching, preparing images for web publications and creating color separations. Upon completion, students should be able to identify the different tools, work with multiple layer images, retouch a photograph, create special effects and prepare an image for a web publication. This is a CORE course.

## **Introduction to Concert Band I**

The Novice level ensemble is designed for the beginning music student, regardless of grade. The classroom environment, therefore, challenges and supports the varied needs of students of different ages. Throughout the four Artistic Processes, students will develop characteristic tone employing the following musical concepts: timbre, rhythm, melody, harmony, form, and expression. The skill of connecting is embedded throughout all standards and grade levels.

## **Concert Band II\***

The Intermediate level ensemble is designed for students with at least one year of experience, regardless of grade. The classroom environment, therefore, challenges and supports the varied needs of students of different ages. Students display a wide range of intellectual and emotional development and expand their abilities to create a characteristic tone and produce a wider range of dynamics and musical expression. As these students mature emotionally and musically, they exhibit a higher level of confidence in their musical abilities and performance skills. Throughout the four Artistic Processes, students will perform (singing and playing instruments), create, read/write, and listen/respond/evaluate employing the following concepts: timbre, rhythm, melody, harmony, form and expression. The skill of connecting is embedded throughout all standards and grade levels.

## **Concert Band III\***

The Proficient level ensemble is designed for students with experience equivalent to one year of high school study, regardless of grade. The level of artistry increases with student experience. Students meet new challenges by applying prior knowledge and continuing to develop fundamental skills, including characteristic tone. Throughout the four Artistic Processes, students will perform (singing and playing instruments), create, read/write, and listen/respond/evaluate while employing the following concepts: timbre, rhythm, melody, harmony, form, and expression. The skill of connecting is embedded throughout all standards and grade levels.

## **Concert Band IV\***

The Accomplished level ensemble is designed for students with experience equivalent to multiple years of high school study, regardless of grade. This level is designed to extend students' technical skills and artistry and to provide students with a deeper understanding and appreciation of the study of music. Throughout the four Artistic Processes, students will perform (singing and playing instruments), create, read/write, and listen/respond/evaluate while employing the following concepts: timbre, rhythm, melody, harmony, form, and

expression. The skill of connecting is embedded throughout all standards and grade levels.

### **Introduction to Theatre I**

The Proficient level course builds sequentially upon theatre knowledge and skills developed in Grades 6-8. This level addresses students' intellectual needs, learning styles, talents, interest, and maturation levels. This level enables students to become proficient in the four Artistic Processes of Creating, Performing, Responding, and Connecting. For students who lack previous theatre courses, teachers may need to revisit and review standards from prior grade levels.

### **Theatre II\***

The Accomplished level course is designed to build upon previous knowledge and skills through a rigorous study of theatre encompassing the four artistic processes of creating, performing, responding and connecting. Students at the Accomplished level approach theatre as a substantive academic discipline. Students continue developing and interpreting scripts, directing, working collaboratively, and performing. The focus at this level is a comprehensive look at theatre, including how it has developed, how it functions in society, and the different aspects of theatre arts that must be assumed and mastered. Accomplished theatre students refine acting techniques and engage in focused study of the directing process. At the same time, they expand their exploration of theatre history and investigate the issues of aesthetics and criticism. Students master the effective use of theatrical technologies and tools for design. Accomplished level students are challenged to justify critical choices and examine the various aspects of theatre in society. Emphasis is placed on a high level of characterization, analysis, interpretation, design, and creation of new artistic works.

### **Theatre III\***

The Advanced level course is designed for students who have mastered basic theatre skills and concepts and are ready to become innovative practitioners in theatre. Students enrolled in this level depend upon peers for social interaction, acceptance, and, to a degree, success. The classroom environment promotes social interaction through the theatrical production process. Students are required to work cooperatively in a group setting, yet are able to maintain independence and identity throughout the process. Possession of a solid theatre background, maturity, dependability, analytical skills, self-discipline, self-motivation, and focus are characteristics of successful Advanced theatre students.

### **Introduction to Mixed Chorus I**

This is a one credit course, novice level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

### **Mixed Chorus II\***

**PREREQUISITE: INTRODUCTION TO MIXED CHORUS I OR APPROVAL OF THE INSTRUCTOR** This is a one credit course, intermediate level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

### **Mixed Chorus III\***

**PREREQUISITE: MIXED CHORUS II OR APPROVAL OF THE INSTRUCTOR** This is a one credit course, proficient level, designed for students to explore choral music from a wide variety of cultures and time periods

through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

#### **Mixed Chorus IV\***

**PREREQUISITE: MIXED CHORUS III OR APPROVAL OF THE INSTRUCTOR** This is a one credit course, accomplished level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

#### **Visual Arts I**

Novice Visual Arts is the first of the four sequential high school courses. Through exploration and experimentation, it provides students with a general foundation in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools are emphasized. This course serves as the first course to advance the visual student in sequential visual arts courses.

#### **Visual Arts II\***

The high school Intermediate Visual Arts course is designed to address the needs of students who have completed Novice Visual Arts. Lessons, instruction, and exposure are structured to foster further growth in both technique and knowledge. Students become more aware of relationships among the elements of art and principles of design. They continue to learn the visual language, understand the significance of artistic symbolism, explore varied media, and study art history, culture, aesthetics, and criticism. They learn new methods of working with various media and continue to improve their verbal, written, and visual communication. Students in Intermediate Visual Arts may be considering visual arts as a possible career.

#### **Visual Arts III\***

The high school Accomplished Visual Arts course directs students toward skill proficiency and dynamics in individual expression, artistic presentation, and portfolio development. Students become aware of cohesive bodies of work and the process of exploring a concept or technique for extended periods of time over a number of works. Students are able to communicate concepts and intentions by manipulating subject matter, organizational components, media, and processes. They are able to explore issues in art criticism and aesthetics as well as analyze their own works of art and the works of others. Students cultivate skills to be successful in art-related careers, college programs, and life-long artistic interests.

#### **Visual Arts IV\***

The high school Advanced Visual Arts course guides students to advanced levels of artistic development and technical proficiency. Students at this level understand the multifaceted components of solving visual arts problems and creating and resolving cohesive bodies of work. They are able to examine contexts, processes, and criteria for evaluation of works through analytical methods. They are able to communicate their ideas regarding relationships among art forms and between their own work and the works of others. Many Advanced Visual Arts students plan to use their training and abilities in future careers.



**School Publications / Yearbook I**

Assisting in production/maintenance of school publications, e.g., Yearbook, Newspaper, E-papers, Web site maintenance, Newsletter.

**School Publications / Yearbook II\***

Assisting in production/maintenance of school publications, e.g., Yearbook, Newspaper, E-papers, Web site maintenance, Newsletter.

**Career Preparedness A**

A one-half credit course that is taught in grades 8-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and computer skill application. This course is a prerequisite to Career Preparedness-B. The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B.

**Career Preparedness B**

A one-half credit course that is taught in grades 9-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and financial literacy. The prerequisite for this course is Career Preparedness-A. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B.

**ACT Prep**

The purpose of ACT Prep at Pike Road Historic School is to help college-bound students better prepare for the ACT examination. The course will provide an overview of the test, including: English, math, reading, and science. Students will be given time to complete simulated ACT examinations. Copies of the ACT Prep Guide and access to online resources will be provided for each student. This is a 0.5 credit course.

**Speech and Debate I**

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Oral reading; children's literature; delivering, selecting, organizing speeches; persuasion; poise and verbal skills. NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Individual work in debate.

**Speech and Debate II\***

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Tournaments; debate techniques; argumentation; problem solving. NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Individual work in debate.

**Music Technology (Music Production) I\***

PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF NOVICE OR APPROVAL OF THE INSTRUCTOR. This one credit course, proficient level, designed for examination and exploration of audio technologies. Listening skills will be emphasized through audio editing, recording, and basic sound design for film/video.

**Music Technology (Music Production) II\***

PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF INTERMEDIATE OR APPROVAL OF THE INSTRUCTOR. This one credit course, accomplished level,

designed for examination and exploration of audio technologies. Listening skills will be emphasized through audio editing, recording, and basic sound design for film/video.

**Music Technology (Music Production) III\***

PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICIENCY LEVEL OF ACCOMPLISHED OR APPROVAL OF THE INSTRUCTOR. This one credit course, advanced level, designed for examination and exploration of audio technologies. Listening skills will be emphasized through audio editing, recording, and basic sound design for film/video.

## **Dual Enrollment Guidelines**

Pike Road Historic School partners with Faulkner University to offer dual enrollment courses to students. Listed below are the guidelines for Dual Enrollment:

- Students must be at least 16 years old, be classified as Juniors or Seniors, have a 3.0 GPA, and be eligible for enrollment under the Alabama State Board of Education Administrative Code, Rule No. 290-3-1.02.
- Students must meet the post-secondary institution's admission requirements.
- All courses taken at a post-secondary institution must be approved at the high school by the counselor, principal, and superintendent.
- Students must pay normal tuition and fees as required by the post-secondary institution.
- Credits earned through eligible post-secondary institutions shall be accepted toward high school graduation.
- No additional weight will be given to a student's grade for completion of dual enrollment courses.
- Students who are classified as juniors must take the equivalent of a full time load of courses (either as a full time post-secondary student or a combination of high school and postsecondary).
- Students who are classified as seniors and are on track for graduation can choose to take only those courses required for graduation (either at the high school or post-secondary institution, or a combination of both).
- Four college courses (or 12 semester hours) must be taken for a student to be full-time dually enrolled.

Dual enrollment packets are available in the high school guidance counselor's office. These must be completed and returned to the counselor by the deadline listed on the packet. Please check the school website for availability and deadline dates under the Counselor's Corner, and contact the counselor for more specific information.

### **ACCESS Distance Learning - Alabama Connecting Classrooms, Educators, and Students Statewide**

ACCESS is an education initiative of the Alabama Department of Education. It provides opportunities and options for Alabama public high school students to engage in Advanced Placement (AP), elective, and other courses to which they may not otherwise have access or be able to schedule. Additional information may be found at <http://accessdl.state.al.us>. **Students must see the counselor to confirm eligibility.**

## Pike Road Historic School Transcript Evaluation and Credit Review

Name: \_\_\_\_\_ Diploma: **New AL HS Diploma** Cohort Year: \_\_\_\_\_  
 Graduating Class of: \_\_\_\_\_ (Beginning Cohort 2013-14) (Yr began 9th grade)

REQUIRED COURSES List Courses Taken	Grade	Credit Earned	Comments
<b>English</b>	9 <sup>th</sup>		
	10 <sup>th</sup>		
	11 <sup>th</sup>		
	12 <sup>th</sup>		
<b>Math</b>	9 <sup>th</sup>		
	10 <sup>th</sup>		
	11 <sup>th</sup>		
	12 <sup>th</sup>		
<b>Science</b>	9 <sup>th</sup>		
	10 <sup>th</sup>		
	11 <sup>th</sup>		
	12 <sup>th</sup>		
<b>Social Studies World History</b>	9 <sup>th</sup>		
<b>US History to 1877 or PreAP</b>	10 <sup>th</sup>		
<b>US History 1877+ or AP US</b>	11 <sup>th</sup>		
<b>Government (0.5) or AP Gov</b>	12 <sup>th</sup>		
<b>Economics (0.5) or AP Econ</b>	12 <sup>th</sup>		

Other Required Courses	Credit Earned	Comments
<b>Health (0.5)</b>		
<b>LIFE PE (1.0)</b>		
<b>Career Preparedness A (0.5)</b>		
<b>Career Preparedness B (0.5)</b>		
<b>CTE/Foreign Language/Fine Art (3.0)</b>		

Elective Courses				Attainments	
Course	Credit	Course	Credit		
				<b>Career Tech Credentials</b>	
				<b>College Credit (Dual Enrollment)</b>	
				<b>ACT plus Writing Benchmark (11<sup>th</sup>)</b>	
				<b>WorkKeys Benchmark (12<sup>th</sup>)</b>	
				<b>AP Benchmark</b>	
				<b>Military Enlistment</b>	

Credit Review Evaluation

Date: \_\_\_\_\_

Initial: \_\_\_\_\_

