

# *Powell High School*



*Course Catalog 2015-16*

# Graduation Requirements

*Students must have 28 credits to graduate.*

**English:** 4 Credits (English I, II, III, IV)

**NOTE:** AP Literature counts as an English III credit; AP Language or Dual Enrollment can count for an English IV credit

**Math:** 4 Credits (Algebra I, Geometry, Algebra II and one higher level math course)

**Science:** 3 Credits (Biology, Chemistry or Physics, and a third lab course)

**Social Studies:** 3 Credits (World History and Geography, US History and Geography, Economics (½ credit), and US Government and Civics (½ credit))

**Physical Education and Wellness:** 1 Credit-Wellness ½ credit-P.E.

**Note:** ½ PE credit can be satisfied by either taking a PE elective course or completing 65 hours during documented physical activity outside of the school day in a school-related area such as Marching Band, TSSAA approved sports, Cheerleading, Dance Team, Swim Team, School-related club/activity approved by the Supervisor of Wellness, PE, and Athletics.

**Personal Finance:** .5 Credit

**\*World Language:** 2 Credits in the same language

**Note:** This is recommended for students planning to attend a post-secondary institution, but is **not** required to meet graduation requirements.

**\*Fine Arts:** 1 Credit

Elective courses are Music/Chorus, Band, Visual Art, and Theatre Arts

**Note:** This is recommended for students planning to attend a post-secondary institution, but is **not** required to meet graduation requirements.

\*May be waived for students not going to a University. Students who choose this option must complete 3 more elective focus classes, in addition to the initial elective focus.

**Elective Focus:** 3 Credits

All students must have an elective focus. This means that a student must take 3 *electives* in one of the following areas:

**MATH AND SCIENCE:** Any combination of three Math and/or Science electives in addition to the required math and science courses.

**HUMANITIES:** Any combination of courses in English/Language Arts, World Languages (above Level 2 if completing University Admissions requirement), and Social Studies, above the core requirements.

**FINE ARTS:** Any combination of courses in Visual and/or Performing Arts, above the core requirements for University Admissions.

**CAREER AND TECHNICAL EDUCATION:** Any combination of three units in the same Program of Study.

**ADVANCED PLACEMENT/INTERNATIONAL BACCALAUREATE/DUAL ENROLLMENT:** Any combination of three of the same type course (i.e. 3 AP courses or 3 Dual Enrollment courses). AP/Dual Enrollment courses may be used to satisfy core requirements and the elective focus requirement (i.e. AP US History may satisfy core requirements and may count as one course in an AP Elective Focus). Students using the AP/Dual Enrollment courses to satisfy both core and elective focus requirements must earn 28 credits to graduate.

**HUMAN SERVICES:** Any combination of courses in Peer Tutoring (assisting in Special Education Classes), Leadership. Courses completed in Out-of School Experience, Skills for Success, Work-based Learning or Learning Center will not count toward an elective focus.

**PHYSICAL FITNESS:** Any three Physical Education courses above the core requirements. Students taking a full credit PE course to satisfy the additional ½ PE credit must take an additional three courses to complete a Physical Fitness Focus.

# Language Arts

## **Graduation requirement: 4 credits**

- To satisfy graduation requirements, each student must complete four courses of Language Arts: English I, English II, English III, and English IV.

**NOTE:** AP Literature will count for an English III credit. AP Language and Dual Enrollment will count for an English IV credit.

## **College Prep English I**

### **Grade 9**

A course for students who are functioning on grade level or above in language arts and reading. These students have demonstrated an average or above average ability to perform on-grade-level language skills.

*Maximum Credit: 1*

## **Honors English I**

### **Grade 9**

A course for students who are functioning above grade level in language arts and reading and have demonstrated competency in grammar and composition skills in the 8th grade. They must have the motivation and desire to participate in the program. This honors course includes in-depth study in composition, research, and literary analysis, and it requires advanced study techniques and outside readings. *Maximum Credit: 1*

## **College Prep English II**

### **Grade 10**

A course for students who have successfully demonstrated an average or above average ability to perform on-grade-level language, analytical, composition, and reading skills. The curriculum includes further development in literary analysis, vocabulary development, and composition.

*Maximum Credit: 1*

## **Honors English II**

### **Grade 10**

A course for students who have demonstrated a mastery of grammar, writing, and reading skills in the English I Standard/College Prep or Honors level. The curriculum is an in-depth study of critical thinking and analytical skills and includes the development of composition, literary analysis, research, and speaking skills. This course requires outside readings. This course is in preparation for success in the Advanced Placement curriculum at the 11th – 12th grades. *Maximum Credit: 1*

## **College Prep English III**

### **Grade 11**

A course for students who have successfully demonstrated an average or above average ability to perform on-grade-level language, analytical, composition and reading skills. The curriculum includes further development in literary analysis, vocabulary development, composition, and research. *Maximum Credit: 1*

## **Advanced Placement Literature and Composition**

### **Grade 11**

A course for students who have demonstrated competency in composition and literary analysis skills. Students must be highly motivated and have above average writing and analytical skills. The curriculum is an in-depth study of American, British, and World literature with expectations commensurate with the first year of college English. Outside readings are required. The course is designed to help develop the cognitive and communicative skills necessary to do well on the AP English Literature and Composition Test. *Maximum Credit: 1*

## **College Prep English IV**

### **Grade 12**

A course for students who have successfully demonstrated an average or above average ability to perform language, analytical, composition and reading skills. The curriculum includes further development of analytical, composition, and research skills in preparation for college English. *Maximum Credit: 1*

## Advanced Placement English Language and Composition

### Grade 12

A course for students who or have demonstrated competency in composition and rhetorical skills. The curriculum emphasizes analysis, research, and composition as students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students will be expected to think critically and analytically and be able to express themselves effectively. Outside readings are required. The course is designed to help develop the cognitive and communicative skills necessary to do well on the AP English Language and Composition Test. *Maximum Credit: 1*

## ENGL 1010 (college credit/English IV credit)

### Grade 12

Study and practice of expository and persuasive writing. Topics include critical reading and writing essays, with emphasis on research, writing processes and effective formatting.

**Pre-requisites:** ACT-18 in English, 19 in Reading

## ENGL 1020 (college credit)

### Grade 12

Analytic writing based on the study of literature; study and practice of research writing.

**Pre-requisite:** ENGL 1010

# Language Art Electives

## Content Area Reading

### Grades 9-10

A full or half-credit elective course option for students who practice and internalize strategies that are essential life-long learning skills for reading, writing, understanding, and interpreting content-specific materials. The strategies will be applied in the content areas of English, mathematics, science, and social studies. Skills will include previewing and reviewing print and non-print text, activating prior knowledge, processing and acquiring new vocabulary, organizing information, understanding visual representations, self-monitoring, and reflecting. *Maximum Credit: 1*

## Creative Writing I

### Grades 9-12

A one-unit course for students who have an interest in studying and writing in the genres of poetry, drama, short story, and nonfiction. The curriculum includes the study of the genres, the students' personal examples of the genres, and their development of a portfolio. *Maximum Credit: 1*

## Etymology/Mythology

### Grades 9-12

Curriculum includes a study of etymology, vocabulary development, classical mythology, and allusions found in literature, music, and the arts. *Maximum Credit: 1*

## Honors American Literature

### Grade 11

A one-unit course for 11th grade students who have demonstrated competency in composition and literary analysis skills to continue an in-depth study of major American literary works, American writers, social and intellectual movements with an emphasis on analytical research and composition. *Maximum Credit: 1*

## Science Fiction

### Grades 9-12

A one-unit elective course for students who have an interest in the genre of science fiction. The course includes units that represent prevalent themes in science fiction: Man and Science, Man in Progression, Alien Encounters, and Visions of the Future. The curriculum includes projects, reading, vocabulary development, discussion, composition and oral presentations. *Maximum Credit: 1*

## Shakespeare & the Renaissance

### Grades 11-12

A one unit course for 11<sup>th</sup> & 12<sup>th</sup> grade students who are interested in further study of Shakespeare's history and literature. The course will outline and study Shakespearean drama and poetry in depth and his contributions and influence will be connected to present day literature, film and everyday life.

**Prerequisite:** English I & English II *Maximum Credit: 1*

## Speech

### Grades 9-12

A one-unit course for students who wish to develop skills in public speaking. The curriculum includes skills in researching, writing, presenting, and adapting speeches to various audiences and purposes. Forensics and debate may be included. *Maximum Credit: 1*

## Yearbook (JOURNALISM)

### Grades 11-12

A course for students who are proficient in writing skills and have an interest in the production of publications. Curriculum includes the history and elements of journalistic style and the application of journalistic techniques to the development of a publication. Students who wish to take this course must be highly motivated, work well with peers, and be responsible in following through with assignments as the work culminates in a publication. Prerequisite: Teacher recommendation.

# Math

## **Graduation requirements: 4 credits**

- To satisfy graduation requirements, each student must complete four math courses: Algebra I, Geometry, Algebra II, and an advanced-level math course.

### **Algebra I**

#### **Grade 9**

A preparatory course that places an emphasis on the systematic development of the language through which most of mathematics is communicated. Provides the mathematical understanding to operate with concepts at an abstract level, then apply them in a process that fosters generalizations and insights beyond the original content. Topics covered are: properties of the number system, linear functions, inequalities, operations on real numbers and polynomials, exponents, radicals and quadratics. Successful completion of this sequence prepares students for Geometry.

*Maximum Credit: 1*

### **Honors Algebra I**

#### **Grade 9**

For students who did exceptionally well in 8th grade mathematics. Course content covers the course topics in Algebra I in greater depth and at a faster pace, thus providing time for enrichment through the study of optional performance objectives. Prerequisites: Departmental Recommendation. *Maximum Credit: 1*

### **Algebra IA Prep**

#### **Grade 9**

Students with a need, as documented in the IEP, shall be eligible to take this course. The student may achieve the required number of credits in math through increased instructional time and completing at least Algebra I & Geometry. This is an elective preparatory class to Algebra I. *Maximum Credit: 1*

### **Algebra IA**

#### **Grade 9**

Students with a need, as documented in the IEP, shall be eligible to take this course. This course may be taught in a year long format when preceded by Algebra IA Prep. *Maximum Credit: 1*

### **Algebra IB Prep**

#### **Grade 10**

Students with a need, as documented in the IEP, shall be eligible to take this course. The student may achieve the required number of credits in math through increased instructional time and completing at least Algebra I & Geometry. This is an elective preparatory class to Algebra IB *Maximum Credit: 1*

### **Algebra IB**

#### **Grade 1**

Students with a need, as documented in the IEP, shall be eligible to take this course. This course may be taught in a year long format when preceded by Algebra IB Prep. *Maximum Credit: 1*

### **Geometry**

#### **Grades 9/10**

A survey of the fundamental and advanced concepts of plane geometry and the related topics in three-dimensional geometry, coordinate geometry, and transformational geometry. The course begins with necessary introductory vocabulary and continues with algebraic and geometric proofs based on an axiomatic system. Applications of the theorems are inter-mixed to help the student grasp an understanding of how geometry is used in different careers and everyday life. Algebra is utilized extensively in this course. Successful completion of this course prepares a student for further work in Algebra II. Prerequisite: Algebra I *Maximum Credit: 1*

## **Honors Geometry**

### **Grades 9/10**

For 9th grade students who have completed Algebra I in the 8th grade or Algebra I (Honors) in the 9th grade with term grades of “B” or better. Topics found in Standard Geometry are covered more in-depth with emphasis placed on problem solving, writing skills (especially written proofs), and algebraic applications. Additional enrichment objectives are covered as time permits. Successful completion of this course prepares a student for further work in algebra, usually Honors Algebra II. Prerequisite: Algebra I in the 8th grade or Algebra I (Honors) in the 9th grade and Departmental Recommendation

*Maximum Credit: 1*

## **Geometry IA Prep**

### **Grade 11**

Students with a need, as documented in the IEP, shall be eligible to take this course. The student may achieve the required number of credits in math through increased instructional time and completing at least Algebra I & Geometry. This is an elective preparatory class to Geometry IA. *Maximum Credit: 1*

## **Geometry IA**

### **Grade 11**

Students with a need, as documented in the IEP, shall be eligible to take this course. The student may achieve the required number of credits in math through increased instructional time and completing at least Algebra I & Geometry. This course is may be taught in a year long format when preceded by Geometry 1A Prep. *Maximum Credit: 1*

## **Geometry IB Prep**

### **Grade 12**

Students with a need, as documented in the IEP, shall be eligible to take this course. The student may achieve the required number of credits in math through increased instructional time and completing at least Algebra I & Geometry. This is an elective preparatory class to Geometry IB. *Maximum Credit: 1*

## **Geometry IB**

### **Grade 12**

Students with a need, as documented in the IEP, shall be eligible to take this course. The student may achieve the required number of credits in math through increased instructional time and completing at least Algebra I & Geometry. This course is may be taught in a year long format when preceded by Geometry 1B Prep. *Maximum Credit: 1*

## **Algebra II**

### **Grade 11**

Building on their work with linear, quadratic and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Prerequisite: Algebra I & Geometry *Maximum Credit: 1*

## **Honors Algebra II**

### **Grade 10/11**

This course provides a rigorous preparation for Honors Pre-Calculus. An emphasis is placed on algebraic proof and provides an enriched version of Algebra II through the study of additional objectives and topics.

Prerequisite: Algebra I & Honors Geometry credit and Departmental Recommendation *Maximum Credit: 1*

## **Advanced Algebra and Trigonometry**

### **Grades 11/12**

For students who have completed Algebra I, Geometry, and Algebra II, but who may not be ready for the sophistication of Pre-Calculus, or who may be entering fields which require mathematics but not necessarily calculus. The content includes the study of algebraic, exponential, logarithmic, and trigonometric functions; and the discrete mathematics topics of matrices, probability and statistics. Students who successfully complete this sequence will have the skills necessary for pre-calculus at the college level. Prerequisites: Algebra I, Geometry, and Algebra II. *Maximum Credit: 1*

### **Pre-calculus**

#### **Grades 11/12**

Develops the topics essential for success in Calculus. Content includes a study of algebraic, transcendental, and trigonometric functions, as well as their compositions and inverses; vectors, polar graphing, complex numbers, conic sections, and sequences and series. Students who complete this sequence successfully will have a strong background for a first-year Calculus sequence. Prerequisites: Algebra I, Geometry and Algebra II with “A” or “B” average grades recommended *Maximum Credit: 1*

### **Honors Pre-calculus**

#### **Grades 11/12**

Provides 11th grade students with a rigorous preparation for Advanced Placement Calculus. The faster pace of this course provides the time to enrich the content of the BMP Pre-Calculus through the study of additional objectives and topics. Successful completion of this course provides the student with the necessary prerequisites for Advanced Placement Calculus. Prerequisites: Geometry (Honors) and Algebra II (Honors) and Departmental Recommendation. *Maximum Credit: 1*

### **Advanced Placement Statistics**

#### **Grades 11-12**

For the student who wishes to obtain a college credit in statistics. The course will be non-calculus in its orientation with a major focus on data analysis. This course should be most helpful for most students going on to college. This course follows the topics listed in the College Board Advanced Placement course description.

Prerequisites: Departmental Recommendation. *Maximum Credit: 1*

### **Bridge Math**

#### **Grade 12**

This course is a 4<sup>th</sup>-year senior-level math credit course designed for students who need to refresh core mathematics skills prior to further study. It is recommended that students who have not scored at least a 19 on their ACT assessment (or equivalent assessment) take this course to be better prepared for post-secondary study. Prerequisite: Algebra II. *Maximum Credit: 1*

### **Advanced Placement Calculus AB**

#### **Grade 12**

A course devoted mainly to the topics in differential and integral calculus. Students who are enrolled in this course will be prepared to take the Advanced Placement AB Calculus Exam and seek college credit and/or placement from institutions of higher learning. The scope of the course follows the topics listed in the College Board Advanced Placement Mathematics Course Description. Prerequisites: Honors Pre-Calculus and Departmental Recommendation *Maximum Credit: 1*

### **Advanced Placement Calculus BC**

#### **Grade 12**

Reviews all the topics covered in AP Calculus AB plus additional objectives and the additional topics. Students who are enrolled in this course will be prepared to take the Advanced Placement BC Calculus Exam and seek college credit and/or placement from institutions of higher learning. The scope of the course follows the topics listed in the College Board Advanced Placement Course Description. Prerequisites: AP Calculus AB and Departmental Recommendation *Maximum Credit: 1*

### **Dual Credit Math**

#### **Grade 12**

Please see your counselor for details. Prerequisites: ACT Math-19 *Maximum Credit: 1*



# Science

## **Graduation requirements: 3 credits**

- To satisfy graduation requirements, each student must complete three courses of Science including Biology, Chemistry or Physics, and a third lab course.

### **College Prep Biology I**

#### **Grade 9**

This course introduces students to the world of living things. The goal of Standard Biology is to develop an understanding of the diversity and unity in life. Concepts covered include basic life processes at the molecular, cellular, systemic, organismal, and ecological levels, the interdependence and interactions within the environment, cultural and historical scientific contributions of men and women of the sciences, evidence of biological evolution, and current and emerging technologies in the life sciences. This course is designed to provide a foundation for advanced biological studies, satisfy the required life science unit, and prepare the student for the Biology EOC. *Maximum Credit: 1*

### **Honors Biology I**

#### **Grade 9**

The goal of Honors Biology I is to develop an understanding of the diversity and unity in living things. Concepts covered include interactions or organisms with their environment, chemical structure of organisms, transfer of energy in organisms, cell structure and function, continuity and change in living things, diversity of living things, and biology related career opportunities. Honors Biology places increased emphasis on development of critical thinking skills. This course is designed to meet the needs of the more academically able student. Prerequisite: Teacher recommendation *Maximum Credit: 1*

### **Physical Science**

#### **Grades 9/10**

The primary theme for Physical Science is the study of conservation of matter and energy. The course is designed to introduce the college bound student to the concepts of forces and motion, chemical and physical properties of matter, the ways in which matter and energy interact, the forms and properties of energy, and other basic concepts in chemistry and physics. This course will enable the student to meet the requirement of a physical science unit for graduation. *Maximum Credit: 1*

### **Chemistry I**

#### **Grades 10-12**

The goal of Chemistry I is to develop an understanding of the relevance of chemistry as it relates to standards of living, career choices, and current issues in science and technology. Course content includes laboratory techniques and safety, properties and structures of matter in its various states, chemical calculations and quantitative relationships, chemical bonding and molecular structure, chemical reactions, solutions, gas laws, and acids and bases. The ability to make mathematical computations using fractions, decimals, ratios and proportions, and exponents is required.

Prerequisite: Algebra I *Maximum Credit: 1*

### **Honors Chemistry I**

#### **Grades 10-12**

The goal of Honors Chemistry I is to develop an understanding of the relevance of chemistry as it relates to standards of living, career choices, and current issues in science and technology. Course content includes laboratory procedures and safety, properties and structures of matter in its various states, chemical calculations and quantitative relationships, chemical bonding and molecule formation, chemical reactions, solutions, gas laws, acids and bases, basic nuclear principles, and basic organic chemistry. The ability to make mathematical computations using fractions, decimals, ratios and proportions, and exponents is required. This course is designed to meet the needs of the more academically able student. Student selection is based upon a combination of past performance in science and mathematics, teacher recommendations, and established enrollment limits for the course. Prerequisites: Biology I (Honors recommended) and Algebra I with eligibility for Geometry *Maximum Credit: 1*

### **Anatomy/Physiology**

#### **Grades 10-12**

This course is a study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ, systemic, and organism levels. Students explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. Content includes the study of the structure and function of cells, tissues, organs, and body systems. Prerequisites: Biology I is required; Chemistry I is recommended *Maximum Credit: 1*

## **Honors Chemistry II**

Grades 10-12

The goal of Chemistry II is to develop an understanding of the properties of matter and the interactions of matter and energy. The course includes a more in-depth study of topics introduced in Chemistry I, such as atomic structure, quantum theory, organic chemistry, electrochemistry, kinetic molecular theory, stoichiometry, chemical equilibrium, and thermodynamics. Student selection is based on a combination of past performance in science and mathematics, teacher recommendation, and established enrollment limits for the course. Prerequisite: Chemistry I  
*Maximum Credit: 1*

## **AP Chemistry**

Grades 11-12

A first-year college level chemistry course which follows the syllabus of the College Board's Advanced Placement (AP) Program. The AP Chemistry curriculum is designed to prepare students to take the College Board AP Chemistry test given in May of each year. This course has been audited and approved by the College Board. This course offers accelerated and in-depth coverage of chemistry topics in the areas of structure and states of matter, kinetic theory, chemical reactions including kinetics, and the concepts of thermodynamics. Students may be required to complete a summer assignment and/or attend additional classroom or laboratory sessions beyond the regularly scheduled classes. Prerequisites: Chemistry I, Algebra I and II required; current enrollment in Advanced Math is strongly suggested. *Maximum Credit: 1*

## **Advanced Placement Environmental Science**

Grades 10-12

The goals of this course are to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students may be required to complete a summer assignment and/or attend additional classroom or laboratory sessions beyond the regularly scheduled classes. Prerequisites: Biology I and Chemistry I *Maximum Credit: 1*

## **Honors Biology II**

Grades 10-12

An upper-level course for those students interested in expanding their understanding of concepts presented in Biology I. Curriculum topics include biochemistry, cytology, genetics, animal physiology, plant physiology, and ecology. (Prerequisites: Biology I and Chemistry I) *Maximum Credit: 1*

## **Advanced Placement Biology**

Grades 10-12

This course offers accelerated and in-depth coverage of biology topics in the areas of molecular and cellular biology, genetics and evolution, and organismal and population biology. Prerequisites: Biology I and Chemistry I *Maximum Credit: 1*

## **Botany/Zoology**

Grades 11-12

A one-unit course which surveys the major phyla of the plant and animal kingdoms. The course covers the diversity of plants and animals and emphasizes the distinguishing characteristics of each kingdom and groups within the kingdoms. The importance of plants and animals to various ecosystems will be included. Botany topics will include vascular and non-vascular plants. Zoology topics will include vertebrates and invertebrates. Prerequisites: Biology I and Chemistry I *Maximum Credit: 1*

## **SPED Ecology**

Grades 10-12

This course enables students to develop an understanding of the natural environment and the environmental problems the world faces. Course topics include ecological principles, population dynamics, natural resources, energy resources, and human interaction with the environment. Students will develop a basic understanding of ecology as a basis for making ethical decisions and career choices. Particular emphasis will be placed on the local environment. *Maximum Credit: 1*

## **Physics**

Grades 11-12

The study of the interrelationships between matter and energy. Topics of study include force, motion, momentum, energy, heat, light, sound, electricity and magnetism, and atomic and nuclear physics. Prerequisites: Algebra I and Algebra II; Biology and Chemistry recommended  
*Maximum Credit: 1*

## **Marine Ecology**

### **Grades 10-12**

In this CP-level course, activities are designed to promote higher-level thinking skills through inquiry and to simulate marine environmental conditions and research methods. Environmental issues are used to develop critical thinking skills that will equip students to make ethical decisions regarding humans the marine environment. The course incorporates the use of lab, group and limited field activities, computer technology, and saltwater aquaria.

Prerequisites: Biology I and Chemistry I

*Maximum Credit: 1*

## **Astronomy**

### **Grades 11-12**

The goal of Astronomy is to introduce students to the concepts, theories, and laws defining the motions of the planets and the properties of the sun, moon, stars, planets and other bodies of the heavens. Students will actively observe the day and night skies; make measurements of astronomical phenomena; create projects and models; and use computers for simulations and research. Prerequisites: Algebra I and Geometry

# Social Studies

**Graduation requirements:** 3 credits in Social Studies and ½ credit in Personal Finance

- To satisfy graduation requirements, each student must complete three courses of Social Studies, including World History or AP Human Geography, US History, Economics (½ credit), US Government (½ credit or 1 credit), and Personal Finance (½ credit)

## Advanced Placement Human Geography

### **Grades 9-12**

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analyses to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in the science and practice. This course follows College Board guidelines and is taught at the college level. This course counts as the 9<sup>th</sup> grade required course and can so serve as an elective for all grades. Prerequisite: The Advanced Placement level requires faculty approval.

*Maximum Credit: 1*

## World History and Geography

### **Grade 9**

A one-unit survey of the development of western civilizations from prehistoric man to the present. The contributions of the various civilizations in such areas as law, political organizations, art, science, philosophy, transportation, and communication are examined. The student will study the historical background of problems around the world. *Maximum Credit: 1*

## United States Government and Civics

### **Grade 10**

A one-half unit course required for graduation. Presents an overview of local, state, and national governmental structures, functions, processes, and constitutional foundations. Civic responsibilities, political parties, and election processes are also reviewed. This course is paired with ACT Prep. *Maximum Credit: ½*

## Advanced Placement United States Government and Politics

### **Grade: 10**

A one unit course required for graduation. Presents an overview of local, state, and national governmental structures, functions, processes, and constitutional foundations. Civic responsibilities, political parties, and election processes are also reviewed. The various levels, from Fundamental through Standard, are geared toward student's reading levels with Fundamental referring to primary skill level and Standard to high school on-grade level. The Advanced Placement course is taught at the college level and requires additional readings and in-depth studies. Prerequisite: The Advanced Placement level requires faculty approval. *Maximum Credit: 1*

## United States History and Geography

### **Grade 11**

Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish-American War and World War I. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as its consequences for American life. Students will explore the causes and course of the Cold War. Students will study the important social, cultural, economic, and political changes resulting from the Civil Rights Movement, the Cold War, and recent events and trends that have shaped modern-day America. Additionally, students will learn the causes and consequences of contemporary issues impacting their world today. Students will continue to use skills for historical and geographical analysis as they examine American history since Reconstruction with special attention to Tennessee connections in history, geography, politics, and people. Students will continue to learn fundamental concepts in civics, economics, and geography within the context of United States history. The reading of primary source documents is a key feature of United States history standards. Finally, students will focus on current human and physical geographic issues important in contemporary America and the global society. *Maximum Credit: 1*

## Advanced Placement United States History

### Grade 11

A one-unit course presenting our nation's progress from Discovery to the present in a chronological order of events. Emphases are placed upon the forces and challenges that prompted its growth and rise to a world power. A full survey course is taught at the college level in AP and requires additional readings and in-depth study.

Prerequisite: The Advanced Placement level requires faculty approval.

*Maximum Credit: 1*

## Economics

### Grade 12

This one-half unit Economics course is required for graduation. It reviews the fundamental economic principles of our American manufacturing and marketing techniques and emphasizes how the consumer is affected and may become better informed.

*Maximum Credit: ½*

# Social Studies Electives

## ACT Test Prep

### Grade 10

A 1/2-credit elective course designed for sophomores to maximize their standardized test scores. This course is paired with United State Government and Civics.

*Maximum Credit: ½*

## Ancient History

### Grades 9-12

Students will examine the major periods of Ancient History from prehistoric times to 1500 AD/CE. Major emphasis will be given to the Neolithic Revolution, the development of river valley civilizations, the rise of Greece and Rome, and the decline and fall of the Roman Empire.

*Maximum Credit: 1*

## Film Studies

### Grades 11-12

This course gives students an understanding of the complex relationship between American culture and commercial films of the 20<sup>th</sup> Century. *Maximum Credit: 1*

## Global Religious Studies

### Grades 9-12

This course will examine a number of the world's religions. Mystical and philosophical movements will be examined to provide a better understanding of highly influential traditions. *Maximum Credit: 1*

## Introduction to Law

### Grades 11-12

Introduction to Law is a college preparation course of study in the United States law and the interaction with citizens and residents. This course prepares students for continued study in law. Course content focuses on the history of law in America, criminal and civil law and other specific areas of law. The course emphasizes critical thinking and formal writing tools, such as case briefings, court pleadings and position papers. *Maximum Credit: 1*

## Psychology

### Grades 9-12

This is a one-half credit course that explores human behavior, including what people do, how they think, and why they act the way they do. The student is exposed to a broad survey of the fundamental principles of psychology. This course is paired with Sociology. *Maximum Credit: ½*

## **Sociology**

### **Grades 9-12**

This is a one-half credit course. Students will explore the ways sociologists view society, and also how they study the social world. In addition, students will examine culture, socialization, deviance and the structure and impact of institutions and organizations. Also, students will study selected social problems and how change impacts individuals and societies. This course is paired with Psychology. *Maximum Credit: ½*

## **Advanced Placement European History**

### **Grades 10-12**

A one-unit course providing an in-depth study of the development of Western European history. Designed to increase the knowledge of European political, social, economic, and intellectual history of the nations of Western Europe. The student will gain a better understanding of the problems faced by people at a given time, relate these problems to the present, and attempt to find solutions. This course follows College Board guidelines and is taught at the college level. Prerequisite: The Advanced Placement level requires faculty approval. *Maximum Credit: 1*

## **Advanced Placement Human Geography**

### **Grades 9-12**

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analyses to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in the science and practice. This course follows College Board guidelines and is taught at the college level. This course counts as the 9<sup>th</sup> grade required course and can also serve as an elective for all grades. Prerequisite: The Advanced Placement level requires faculty approval. *Maximum Credit: 1*

## **Advanced Placement Psychology**

### **Grades 10-12**

This course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. The goal is to provide a learning experience equivalent to that obtained in most college introductory psychology courses. This course follows College Board guidelines and will require additional readings and in-depth studies. Prerequisite: The Advanced Placement level requires faculty approval. *Maximum Credit: 1*

# World Languages

**Recommendation for students planning to attend post-secondary: 2 credits**

**Note:** World languages are taught sequentially. Students must complete each level with a passing grade before enrolling in the next level. Each course offers one unit of credit. It is strongly recommended that only students with a C average or better at the end of the level I language advance to the next level.

## World Languages Level I

### **French I** **Grades 9-12**

For students who are interested in acquiring knowledge of the culture and language. The curriculum includes the study of the culture and basic communicative skills in listening, speaking, reading, and writing. Recommended for 9th grade students who read and perform language arts skills on or above grade level, and for any students in grades 10-12 who need to meet the two-year college entrance requirement. *Maximum Credit: 1*

### **Latin I** **Grades 9-12**

For students who are interested in acquiring knowledge of the Roman language and culture. The curriculum includes the development of vocabulary, grammar, and translation skills and the study of the historical and cultural values of Rome and its continuing contributions to western civilization. Recommended for 9th grade students who read and perform language arts skills on or above grade level, and for any students in grades 10-12 who need to meet the two-year college entrance requirement. *Maximum Credit: 1*

### **Spanish I** **Grades 10-12**

For students who are interested in acquiring knowledge of the culture and language. The curriculum includes the study of the culture and basic communicative skills in listening, speaking, reading, and writing *Maximum Credit: 1*

## World Languages Level II

*It is strongly recommended that only students with a C average or better at the end of the level I language advance to the next level.*

### **French II** **Grades 10-12**

For students who are interested in developing the skills learned in the first level. The curriculum includes further study of the skills acquired in level one. Students who have successfully completed French I or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. *Maximum Credit: 1*

### **Latin II** **Grades 10-12**

For students who are interested in developing the skills learned in the first level. The curriculum includes further study of Latin grammar, language, history, and culture of the Romans. Students who have successfully completed level I or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. *Maximum Credit: 1*

### Spanish II

#### Grades 10-12

For students who are interested in developing the skills learned in the first level. The curriculum includes further study of the skills acquired in level one. Students who have successfully completed Spanish I or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. *Maximum Credit: 1*

## World Languages Level III

### Honors French III

#### Grades 10-12

For students who are motivated to move beyond the standard levels of language study. The curriculum includes extensive use of the language as well as further development of reading and writing skills and the study of literature. This course is recommended for college-bound students who plan to take university placement tests in a world language. Students who have successfully completed level II or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. Prerequisite: Teacher Recommendation & successful completion of Levels I & II *Maximum Credit: 1*

### Honors Latin III

#### Grades 10-12

For students who are interested in developing the skills learned in the first and second levels. The curriculum includes further study of Latin grammar, and translating the works of Cicero, Pliny, Uvy, and others. Students who take this course must be able to work independently. Recommended for students who have successfully completed levels I and II. Prerequisite: Teacher Recommendation & successful completion of Levels I & II *Maximum Credit: 1*

### Honors Spanish III

#### Grades 11-12

For students who are motivated to move beyond the standard levels of language study. The curriculum includes extensive use of the language as well as further development of reading and writing skills and the study of literature. This course is recommended for college-bound students who plan to take university placement tests in a world language. Students who have successfully completed level II or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. Prerequisite: Teacher Recommendation & successful completion of Levels I & II *Maximum Credit: 1*

## World Languages Level IV

### Honors French IV

#### Grades 11/12

For students who are motivated to continue the study of language. The curriculum includes the study of literature and further development of communication skills in the language and will help to prepare the student for university-level placement tests in the language. Note: Many university world language departments offer placement test options for all students which may allow them to test out of lower level language requirements and for which they may receive university credit. Prerequisite: Teacher Recommendation & successful completion of Levels I, II & III *Maximum Credit: 1*



### **Honors Latin IV**

#### **Grades 11/12**

This class includes reading and translating specific works of literature and/or intensive language study in preparation for the Advanced Placement examination in Latin. Prerequisite: Teacher Recommendation & successful completion of Levels I, II & III *Maximum Credit: 1*

### **Honors Spanish IV**

#### **Grades 11/12**

For students who are motivated to continue the study of language. The curriculum includes the study of literature and further development of communication skills in the language and will help to prepare the student for university-level placement tests in the language. Note: Many university world language departments offer placement test options for all students which may allow them to test out of lower level language requirements and for which they may receive university credit. Prerequisite: Teacher Recommendation & successful completion of Levels I & II *Maximum Credit: 1*

## World Languages Level V

### **Advanced Placement Latin**

#### **Grade 12**

This class includes reading and translating Caesar's *Gallic Wars* and Vergil's *Aeneid* and other related literature. This course is an intensive language study in preparation for the Advanced Placement examination in Latin. Prerequisite: Teacher Recommendation *Maximum Credit: 1*

### **Advanced Placement Spanish**

#### **Grade 12**

For students who are motivated to continue intensive study of the language in preparation for the Advanced Placement examination. The curriculum includes the study of literature and further development of oral/aural skills in the language and will help to prepare students for the Advanced Placement examination in the language. Students who have successfully completed level III of the language or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course. Note: These courses should not be taught in combination with other world language courses.

Prerequisite: Teacher Recommendation

*Maximum Credit: 1*

# Physical Education

## **Graduation requirements:** 1.5 credits

- To satisfy graduation requirements, each student must complete one unit of Lifetime Wellness and  $\frac{1}{2}$  unit of Physical Education.
- $\frac{1}{2}$  PE credit can be satisfied by either taking a PE elective course or by completing 65 hours during of documented physical activity outside of the school day in a school-related area such as Marching Band, TSSAA-approved sports, Cheerleading, Dance Team, Swim Team, School-related club/activity approved by the Supervisor of Wellness, PE, and Athletics.
- Students can take three courses in PE for an elective focus.

## **Lifetime Wellness**

### **Grade 9**

The goal of this class is for students to learn a lifelong process of positive lifestyle management that seeks to integrate the emotional, social, intellectual, and physical dimensions of self for a longer, more productive and higher quality of life. The unit consists of the following strands: Disease and Prevention Control; Mental, Emotional and Social Health; Nutrition; Personal Fitness; Safety and First Aid; Sexuality and Family Life; and Substance Use/Abuse.

*Maximum Credit: 1*

## **Physical Education I**

### **Grades 9-12**

The goal of this class is to provide a variety of activities through four strands: Cooperative Games/Activities; Individual Sports; Team Sports; and Fitness Activities. Each unit within the strand will be designed to teach the basic skills, rules and strategies necessary to understand and perform a variety of activities.

*Maximum Credit: 1*

# Physical Education Electives

## **Advanced Physical Education**

### **Grades 10-12**

The goal of this class is to provide a variety of activities through four strands: Cooperative Games/Activities; Individual Sports; Team Sports; and Fitness Activities. Each unit within the strand will be designed to teach the basic skills, rules and strategies necessary to understand and perform a variety of activities. This course is a prerequisite for Advanced Physical Education.

*Maximum Credit: NA*

## **Conditioning and Advanced Strength Training**

### **Grades 9-12**

This course is designed to allow students to make gains in conditioning, muscle tone, and strength while emphasizing the importance of making an active healthy lifestyle a lifelong practice. Health and skill related activities such as weightlifting and gym exercise culture with a focus on flexibility, speed, agility, coordination and power, along with self-discipline and a positive attitude will be the content focus. Proper nutrition will also be examined and emphasized.

*Maximum Credit: NA*

# Fine Arts

Student can take three courses in Music, Band, or Art for an elective focus

## Visual Arts

### **Visual Art I**

**Grades 9-12**

A one-unit survey course designed for students in grades 9-12 who are enrolling in a high school art course for the first time. Provides a variety of experiences that build on the concepts, techniques, and use of media introduced in the middle school program. Generally laboratory in nature, Art I explores and gives experience in two-dimensional (drawing, painting, printmaking) and three-dimensional (sculpture, ceramics, textiles) formats and integrates art history, design principles, and aesthetic criticism and response. *Maximum Credit: 1*

### **Advanced Art: Drawing**

**Grades 10-12**

For students who show a sufficient level of interest and/or ability that would warrant continued study in Visual Art. Based on approved curriculum guides, students may continue in Advanced Art on a space-available basis and may repeat Advanced Art up to seven times at the determination of the instructor.

Prerequisite: Art I and teacher recommendation *Maximum Credit: N/A*

### **Advanced Art: Painting**

**Grades 10-12**

For students who show a sufficient level of interest and/or ability that would warrant continued study in Visual Art. Based on approved curriculum guides, students may continue in Advanced Art on a space-available basis and may repeat Advanced Art up to seven times at the determination of the instructor.

Prerequisite: Art I and teacher recommendation *Maximum Credit: N/A*

### **Advanced Art: Printmaking**

**Grades 10-12**

For students who show a sufficient level of interest and/or ability that would warrant continued study in Visual Art. Based on approved curriculum guides, students may continue in Advanced Art on a space-available basis and may repeat Advanced Art up to seven times at the determination of the instructor.

Prerequisite: Art I and teacher recommendation *Maximum Credit: N/A*

### **Advanced Placement Studio Art – Drawing Portfolio**

**Grades 11/12**

The Advanced Placement Drawing Portfolio is designed to include a very broad interpretation of drawing issues. Many types of painting, printmaking, studies for sculpture, and some forms of design, as well as abstract and observational works, could qualify as addressing drawing issues. The range of marks used to make drawings, the arrangement of those marks, and the materials used to make the marks are endless. Works of photography, videotapes and computer-generated works may not be submitted for the Drawing Portfolio. Prerequisite: Teacher recommendation. *Maximum Credit: 1*

### **Advanced Placement Studio Art-2D Design**

**Grades 11/12**

This portfolio is intended to address a broad interpretation of 2d design issues. This type of design involves purposeful decision making about how to use the elements and principles of art in an integrative way.

Prerequisite: Teacher Recommendation *Maximum Credit: 1*

### **Advanced Placement Studio Art-3D Design**

**Grades 11/12**

This portfolio is intended to address a broad interpretation sculptural issues in depth and space. type of design involves purposeful decision making about how to use the elements and principles of art in an integrative way.

Prerequisite: Teacher Recommendation *Maximum Credit: 1*

# Performing Arts

## **Theatre Arts I**

### **Grades 9-12**

A one-unit course for students who have an interest in drama and wish to learn the history of theatre and improve their abilities in communicating and appearing before a group. The curriculum includes exercises in pantomime, improvisation, basic stage direction, play reading, theatre history, stagecraft, basic acting skills, and oral interpretation. *Maximum Credit: 1*

## **Advanced Theatre Arts (Arts/Stagecraft/Production)**

### **Grades 10-12**

For students who have completed Theatre Arts I and who wish to expand their interpretative skills and knowledge of theatre. The curriculum includes further study of oral and dramatic interpretation of prose and poetry. An interview with the teacher and/or auditions for admission may be required. Prerequisite: Theatre Arts I *Maximum Credit: N/A*

## **Development of Rock and Roll**

### **Grades 9-12**

This course is designed as a survey of rock and roll music, from its very roots to the music today. Students will develop knowledge and understanding of the musical elements of rock and roll and the major artists within each period. Students will identify the different styles that make up each period and study the social and cultural connections in the creation of rock and roll. Class participation, attendance, maintaining a journal, and completion of all assignments is required. *Maximum Credit: 1*

## **Music Theory**

### **Grades 10-12**

A course for students with a particular interest and aptitude in music. Emphasis is on an in-depth study of music fundamentals through ear training and reading and writing music. Musical analysis as well as simple rhythmic, melodic and harmonic dictation will be explored. *Maximum Credit: 1*

## **Female Chorus**

### **Grades 9-12**

This course is for female choral students to study and perform a wide variety of sacred and secular choral literature of easy to medium difficulty from all historical and performance styles. Emphasis is placed on the development of individual and ensemble skills in vocal production, tone quality, diction, intonation, balance and blend, sight-reading and music reading and ensemble. *Maximum Credit: N/A*

## **Male Chorus**

### **Grades 9-12**

This course is for male choral students to study and perform a wide variety of sacred and secular choral literature of easy to medium difficulty from all historical and performance styles. Emphasis is placed on the development of individual and ensemble skills in vocal production, tone quality, diction, intonation, balance and blend, sight-reading and music reading and ensemble. *Maximum Credit: N/A*

## **Band: Marching**

### **Grades 9-12**

Provides students with the opportunity of continuing the study and performance of music emphasizing traditional band literature and selected orchestral transcriptions. The course focuses on the study of the elements of music and the development of individual and group performance skills. Individual practice, after-school practice and rehearsal sessions, and performances are required. Performance opportunities include marching band, concert band, invitational and audition clinics, festivals, and contests. Prerequisite: Teacher recommendation *Maximum Credit: N/A*

**Band: Concert****Grades 9-12**

Provides students with the opportunity of continuing the study and performance of music emphasizing traditional band literature and selected orchestral transcriptions. The course focuses on the study of the elements of music and the development of individual and group performance skills. Individual practice, after-school practice and rehearsal sessions, and performances are required. Performance opportunities include marching band, concert band, invitational and audition clinics, festivals, and contests. Prerequisite: Teacher recommendation

*Maximum Credit: N/A*

**Band: Symphonic****Grades 9-12**

The Concert Band, Symphonic Band, and Wind Ensemble are musical groups concentrating their skills on musical performances for advanced woodwinds, brass, and percussion performance. These bands play a variety of styles and types of music selected from the standard high school band repertoire. The goal of these courses is to develop proficiency on a chosen instrument through rehearsals, lessons and various performances. These bands will have several performance opportunities throughout the semester. Through these classes the students will improve instrumental skills, elevate performance skills as well as develop an understanding of the performance process. All National Music Standards are addressed and the highest expectations of musicianship and behavior are expected. Rehearsals and performances during the school day, before and after the regular school day, as well as on non-school days, may be required. Prerequisite: Teacher recommendation *Maximum Credit: N/A*

# Academic Success

## **Not required for graduation**

- Students can complete a combination of three courses in Peer Tutoring and Leadership to satisfy a Human Services elective focus
- Skills for Success and Senior Out-of-School Experience **will not** count toward an elective focus.

## **Advanced Peer Tutoring**

### **Grades 10-12**

A course designed to continue credits in peer tutoring opportunities. Application with teacher approval required.

*Maximum Credit: N/A*

## **Leadership**

### **Grades 10-12**

A one-unit elective course designed to teach students leadership skills, parliamentary procedure, problem solving/ decision-making techniques, communication skills, group dynamics, time and stress management, public speaking, human relations, team building, project planning, and other group processes. A fee will be charged for participation in this course. Prerequisite: Teacher Recommendation

## **Senior Project**

### **Grade 12**

This course is designed to let seniors complete a culminating project through volunteering in the community. Weekly logs, reflection papers, and consultations are necessary requirements of the course. Administrative approval required.

*Maximum Credit: 2*

## **Skills for Success**

### **Grades 9-12**

This course designation encompasses varied approaches to academic interventions for students. This may include such interventions as recovery credit, learning centers, and literacy. A student may earn multiple credits. *Maximum Credit: N/A*

# Business

## **Graduation Requirements:** .5 credit in Personal Finance

- All students must complete a ½ credit of Personal Finance their senior year.
- An elective focus can be achieved by taking at least three courses within one of the Career and Technical Education (CTE) clusters.

### **Accounting I**

A course that offers the study of concepts, techniques and principles that relate to keeping the manual and electronic records of a sole proprietorship. *Maximum Credit:1*

### **Accounting 2** **Grades 11-12**

A course that offers advanced study of concepts, techniques and principles that build on the competencies acquired in Accounting I used in keeping the manual and electronic records of a sole proprietorship and corporation. In addition, departmental, management, cost and not-for-profit accounting systems are explored. *Prerequisite: Accounting I, Maximum Credit:1*

### **Banking & Finance** **Grade 11-12**

A course designed to challenge the student with real banking and financial situations through a partnership with a local financial institution that would bring resources of mentors, seminars and hands on experiences with day to day operations. Completion of this course will provide students with a basis for continuing education in finance and business administration, specializing in job skills in banking and financial institutions. *Maximum Credit:1*

### **Business Communication** **Grades 10-12**

This is a course that prepares students for oral and electronic business communications in the 21<sup>st</sup> century including social media as well as developing skills in electronic publishing, design, layout, composition, and video conferencing. Emphasis will be placed on social media, design and digital communications. Students will review and practice successful styles and methods for professional business communications using the proper tools to deliver effective publications and presentations. The work in this class culminates in a complete yearbook. *Maximum Credit: 1*

### **Business Management** **Grades 10-12**

Students will develop a foundation in many activities, problems and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal responsibilities, communication, decision-making, personnel, safety, professional development and related careers. and corporation. In addition, departmental, management, cost and not-for-profit accounting systems are explored. *Maximum Credit:1*

### **Computer Applications** **Grades 9-12**

This course is designed to develop computer technology skills. Students will use a variety of computer software and hardware tools and features of an electronic information network. Students will explore the historical, social and ethical issues of using computer technology. The students will develop skills that will assist them with efficient production, accurate production analysis, management of information, and design and presentation of a multimedia project. *Maximum Credit: 1*

## **Entrepreneurship**

### **Grades 11-12**

A course that provides the student with the opportunity to analyze and evaluate the various aspects of business ownership in today's marketplace. The student will develop a business plan and determine its opportunities for success. Throughout this course, the students will relate the foundations of marketing to real life endeavors. *Maximum Credit: 1*

## **Introduction to Business & Marketing**

### **Grade 9**

This is a core course in which students are introduced to all aspects of business: the domestic and international economies, financial principles, management strategies, administrative and information systems, ethics, and organizational and professional leadership. Students will analyze the elements of the business environment and focus on attitudinal and problem-solving skills inherent to success. *Maximum Credit: 1*

## **Marketing and Management I—Principles**

### **Grades 10-12**

A one-unit course for grades 10-12 designed to focus on the study of marketing concepts and their practical application. Students will examine risks and challenges marketers face to establish a competitive edge. Subject matter includes economics, marketing foundations/functions, and human resource leadership development. Skills in communication, mathematics, economics, and psychology are reinforced in this course. *Maximum Credit: 1*

## **Marketing and Management II**

### **Grades 11-12**

Marketing & Management II is a study of marketing concepts and principles used in management. Students will examine the challenges, responsibilities and rise managers face in today's marketplace. *Maximum Credit: 1*

## **Personal Finance**

### **Grade 12**

A one-half credit course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real work topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal household budgets; simulate use of checking and savings accounts; demonstrate knowledge of finance, debt and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. The co-curricular student organization will provide students with opportunities for leadership development, personal growth, and school/community involvement. This is a required course for graduation. *Maximum Credit: ½*

## **Sports Entertainment (Event Planning & Management)**

### **Grades 11-12**

A course that offers students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Students will develop skills in the areas of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry.

*Maximum Credit: 1*



# Family & Consumer Sciences

## Early Childhood Education (I, II, III)

**I**-This is a foundational course in the Human Services career cluster. Careers in early childhood education include childcare providers, nannies, & preschool teachers. This course studies the foundation of childhood development services, careers, provider responsibilities & aptitudes, & fundamentals of child development. *Maximum Credit:1*

**II**-This is an applied knowledge course for students interested in learning more about becoming an early childhood teacher, nanny, or childcare provider. This course covers the components of curriculum planning, learning, screening and assessing, special populations, and educational technology. Students in this course will observe educators in action, practice specific skills, and add personal work products to a course portfolio. *Maximum Credit:1*

**III**-This an applied knowledge course for students interested in learning more about becoming an early childhood teacher, nanny, or childcare provider.. Students in this course will participate in a work--based learning component of instruction and add work products to a course portfolio. *Maximum Credit:1*

## Fundamentals of Education

### **Grades 9-12**

Fundamentals of Education is a foundational course in the Education and Training career cluster for students interested in learning more about becoming a school counselor, teacher, librarian, or speech--language pathologist. This course covers the history of education in the United States, careers in education, and the influence of human development on learning. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. *Maximum Credit:1*

## Introduction to Human Studies

### **Grades 9-12**

This is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. This course covers the history of counseling, career investigation, stress management, mental illness, communication, and the counseling process. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. *Maximum Credit:1*

## Lifespan Development

### **Grades 10-12**

This course builds basic knowledge in human growth and development. The course standards include developmental theory, principles of growth, behavior of children from conception through adolescence, adult development and aging, and death and dying. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. *Maximum Credit: 1*

## Nutrition Across the Lifespan

### **Grades 10-12**

This course is for students interested in learning more about becoming a dietitian, nutritionist, counselor, or pursuing a variety of scientific, health, or culinary arts professions. This course covers human anatomy and physiological systems, nutrition requirements, as well as social, cultural, and other impacts on food preparation and integrity. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. *Maximum Credit: 1*

**Teaching as a Profession I**  
**Grades 9-12**

Teaching as a Profession I (TAP I) is an applied--knowledge course for students interested in learning more about becoming a school counselor, teacher, librarian, or speech--language pathologist. This course covers the components of instruction, teaching strategies, types of assessments, student learning, special populations, and educational technology. Students in this course will conduct observations of educators at work and create artifacts for a course portfolio. *Maximum Credit: 1*

**Teaching as a Profession II**  
**Grades 11-12**

Teaching as a Profession (TAPII) is an applied knowledge course for students interested in learning more about becoming a teacher, school counselor, librarian, or speech--language pathologist. This course covers classroom management, concepts of higher order thinking, differentiating instruction, and strategies of effective classroom planning. Students in this course will demonstrate their skills in laboratory settings while building a course portfolio of work. *Maximum Credit: 1*

**Teaching as a Profession III**  
**Grades 12**

Teaching as a Profession III (TAP III) is a capstone course in the Education and Training Cluster for students interested in learning more about becoming a teacher, school counselor, librarian, or speech-- language pathologist. The course covers classroom professionalism, ethics, policies, communications, and career requirements in education fields. In addition, students will complete an internship and continue to create artifacts for their student portfolios. *Maximum Credit: 1*

## Health Sciences

**Clinical Internship**  
**Grades 11/12**

This course provides knowledge and skills to maintain or change to the health status of an individual over time. This could include such careers or career areas as dental, dietetics, medical assistance, home health, nursing, pharmacy, respiratory, social work, nutritionist, physician, psychiatrist, psychologist, veterinarian, gerontology service provider, medical practice owner, or attorney for healthcare. *Maximum Credit: 1*

**Diagnostic Medicine**  
**Grades 10-12**

Diagnostic Medicine creates a picture of an individual's health status at a single point in time. This could include following careers and career areas: audiologist, cardiology, imaging, medical laboratory, radiography, nuclear medicine, stereotactic radiosurgery, cytotechnology,, clinical laboratory technician, pathologists, medical physician, or histotechnologist. *Maximum Credit: 1*

### **Forensic Science**

#### **Grades 11-12**

This course is an overview of how science is applied to solving crimes. Topics include history of forensic sciences, collecting of evidence, analyzing results and hands-on applications of many laboratory techniques. *Maximum Credit: 1*

### **Introduction to Health Science**

#### **Grades 9-12**

This course provides an introduction to broad standards that serve as a foundation for Health Care Occupations and functions across health services. Units included are academics in health care communications systems, legal responsibilities, ethics, teamwork, and safety practices. *Maximum Credit: 1*

### **Medical Therapeutics**

#### **Grades 10-12**

This course provides knowledge and skills to maintain or change to the health status of an individual over time. This could include such careers or career areas as dental, dietetics, medical assistance, home health, nursing, pharmacy, respiratory, social work, nutritionist, physician, psychiatrist, psychologist, veterinarian, gerontology service provider, medical practice owner, or attorney for healthcare. *Maximum Credit: 1*

### **Nursing Education**

#### **Grades 11-12**

This course consists of 18 units of study dealing with direct bedside nursing care. Clinical experience will consist of supervised practice in the nursing home, as well as demonstrations in the classroom. Students can be registered by Tennessee Department of Health—after the completion of the course, 100 hours clinical and theory, passing a state test (both written and skills)—and will be job ready. Students may complete a clinical internship following this course. Jobs include registered nurse, clinical nurse specialist, nurse practitioner, nurse midwife, nurse anesthetist, forensic nurse, and other occupations.

*Maximum Credit: 1*

### **Rehabilitation Careers**

#### **Grades 10-12**

This course will focus on enabling the person to live to the fullest capacity possible. Units will include sports medicine, physical therapy, occupational therapy, speech/language therapy, art, music, dance therapy, and others. *Maximum Credit: 1*

## **Cosmetology**

### **Principles of Cosmetology**

#### **Grades 10-11**

This course provides students with the opportunity to acquire basic fundamental skills in safety, environmental issues, principles of hair design, nail structure and cosmetic procedures. course prepares students for work related skills and advancement into the Design Principles of Cosmetology course. *Maximum Credit: 1*

### **Design Principles of Cosmetology**

#### **Grades 11-12**

This course provides students with advanced knowledge and skills in hair design, nail artistry, and cosmetic applications. This course prepares students for work related skills and advancement into the Chemistry of Cosmetology course. Upon completion and acquisition of 600 hours, students are eligible to take the Tennessee Board of Cosmetology manicuring examination for a Tennessee Manicure License. Prerequisite: Principles of Cosmetology and Design Principles of Cosmetology *Maximum Credit: 1*

**Chemistry of Cosmetology**  
**Grades 11-12**

This course prepares students to perform work--related services using chemicals in the cosmetology industry. Content provides student the opportunity to acquire skills in both theory and practical applications. Upon completion and acquisition of 1500 hours, students are eligible to take the Tennessee State Board of Cosmetology examination for a Tennessee Cosmetology License. A student not completing the required 1500 hours for licensing in high school may complete training at the Tennessee Technology Center--Knoxville. Prerequisite: Principles of Cosmetology and Design Principles of Cosmetology. *Maximum Credit: 1*

## Construction

**Fundamentals of Construction**  
**Grades 9-12**

Introduces students to basic skills and knowledge applicable to all construction trades. Topics covered include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and application of algebraic and geometric principles to construction problems. *Maximum Credit: 1*

**Carpentry (Structural Systems)**  
**Grades 10-12 (2 credits)**

Introduces students to basic skills and knowledge related to residential & commercial carpentry. Topics covered include stairs, installation and trim of windows and doors, installations and repair of wallboard, advanced site layout, exterior finish work, thermal and moisture protection and an introduction to welding. This course gives students a substantial skill and knowledge foundation typically required for apprentice carpenters. Prerequisite: Fundamentals of Construction *Maximum Credit: 1*

**Electrical Systems I**  
**Grades 10-12 (2 credits)**

Provides basic skills and knowledge related to residential and commercial electrical systems. Allows students to learn and practice intermediate skills related to electrical systems, with emphasis on commercial systems.

Topics covered include over--current protection; sizing conductors; lighting systems; three--phase motors; motor control circuits; sizing raceways, boxes, and fittings; and connecting distribution transformers, including a laboratory experience conducted in a shop environment that supports electrical assembly projects by students. This course gives students a substantial skill and knowledge foundation typically required for apprentice electricians. Prerequisite: Construction Core

**Plumbing**  
**Grades 10-12 (2 credits)**

This course introduces students to basic skills and knowledge related to residential and light commercial plumbing. Course gives students introduction to the skill and knowledge base typically required for apprentice plumbers.

## Manufacturing

**Welding I**  
**Grades 10-12**

Introduction to Welding is a course in which students will learn basics skills and knowledge related to cutting and welding applications. Course content includes safe practices, career research, leadership development, and basic arc welding and thermal cutting skills. *Maximum Credit: 1*

## Welding II

**Grades 10-12 (2 credits)**

This is a course in which students learn more advanced techniques and skills related to cutting and welding applications.

# Audio/Visual Technology

**Broadcasting I:** This course is the entry level course to prepare students for the media industry. Course content provides a broad based exposure to audio, video and journalism and broadcasting within the media industry.

**Broadcasting II-** This course focuses on broadcast production technologies utilizing simulated and/or real life projects. This course centers on production of various broadcasting products including commercials, music, news and interactive programming. **Prerequisite:** Broadcasting I

**Broadcasting III** This course focuses on simulated real--life broadcast production and management.

Projects center on in--house production of newscasts, special events, and original programming. Course content is composed of scripting, reporting, directing, editing, budgeting, and producing, as well as cameras, lights, sound, and set design. This course will explore the latest digital technology and applications, research, and future trends in the broadcast industry. **Prerequisite:** Broadcasting II

# Transportation, Distribution & Logistics

## **Diesel: Preventative Maintenance**

*Preventive Maintenance Inspection* is a course offering training in the inspection and servicing of heavy trucks. The course introduces students to proper procedures and practices for preventive maintenance and servicing. Students learn to perform entry--level technician inspection tasks.  
*Maximum Credit: 1*

## **Diesel: Electrical**

Electronics is a course offering training in the diagnosis and repair of the electrical systems of medium and heavy trucks. Students apply principles of electricity and electronics to diesel technology and develop diagnostic skills. The course provides training in the use of electrical test equipment such as digital multimeters (DMM) and ammeters. *Maximum Credit: 1*

## **Diesel: Engine**

Engine is a course offering training in the testing and repairing of diesel engines and related systems. The course introduces fundamental principles of diesel engine operation. Students will learn to perform inspections, tests, and measurements for diagnosis and to perform needed repairs.  
*Maximum Credit: 1*

# Law, Public Safety Corrections & Security

## **Criminal Justice I**

Criminal Justice I serves as a comprehensive survey of how the law enforcement, legal, and correctional systems interact with each other in the United States. Current issues will be researched in the context of local, state, and federal laws. Investigative skills will be developed in the areas of drug use, incident documentation and basic crime scene investigation. *Maximum Credit: 1*

## **Criminal Justice II**

Criminal Justice II is an integrated survey of the law and justice systems for students interested in pursuing careers in law enforcement and legal services. This course prepares students for advanced work in crime scene analysis and forensic science, and offers strong knowledge and skill preparation for postsecondary or career opportunities in associated fields. **Prerequisite:** Criminal Justice I *Maximum Credit: 1*

## **Criminal Justice III**

Students will learn terminology and investigation skills related to the crime scene, aspects of criminal behavior, and applications of the scientific inquiry to solve crimes. Upon completion of this course, proficient students will be able to identify careers forensic science and criminology, summarize the laws that govern the application of forensic science, and draw key connections between the history of the forensic science system and the modern legal system. **Prerequisite:** Criminal Justice II *Maximum Credit: 1*

## **Fire Science I**

Fire Science prepares students with technical knowledge and skills relates to firefighter safety, fire behavior, building construction guidelines and the use of firefighting equipment. *Maximum Credit: 1*

## **Fire Science II**

Fire Science II allows students to continue to acquire the skills and knowledge needed to pursue a career as a firefighter. **Prerequisite:** Fire Science I *Maximum Credit: 1*

## Dual Enrollment

\*There is a fee associated with some of these classes.

### **ENGL 1010 (college credit/English IV credit)**

#### **Grade 12**

Study and practice of expository and persuasive writing. Topics include critical reading and writing essays, with emphasis on research, writing processes and effective formatting.

**Pre-requisite:** Satisfactory placement test scores

### **ENGL 1020 (college credits)**

#### **Grade 12**

Analytic writing based on the study of literature; study and practice of research writing.

**Pre-requisite:** ENGL 1010

### **MATH (college credits/4<sup>th</sup> math credit)**

#### **Grade 12**

Please see your counselor

**Pre-requisite:** High School Algebra I, Algebra II and ACT score of at least a 19

**PSY 1030 (college credits/Psychology)**

**Grade 12**

An introduction to theoretical perspectives, psychological terminology and major theories and theorists.

**Pre-requisite: Satisfactory placement test scores**

**SOC 1010 (college credits/Sociology)**

**Grade 12**

Concepts and theoretical approaches of sociology with emphasis on culture, socializations and social organization.

**Pre-requisite: Satisfactory placement test scores**

**PHOTOGRAPHY (college credits/Photography)**

**Pre-requisite: Satisfactory placement test scores**

**Advanced Placement**

**Many of these courses can satisfy Graduation Requirements.**

- Any three AP courses comprise an Advanced Placement elective focus
- To see the course descriptions for each course, refer to the respective Department.

<b>Department</b>	<b>Courses</b>
English	AP Language & Composition AP Literature & Composition
Fine Arts	AP Studio Art
Math	AP Statistics AP Calculus AB AP Calculus BC
Science	AP Biology AP Chemistry AP Environmental Science
Social Studies	AP European History AP Government AP Human Geography AP Psychology AP US History
World Languages	AP Latin AP Spanish