

# TWIN SPRINGS



# HIGH SCHOOL

## Vision

Every Child, Every Opportunity

## Mission

Twin Springs High School enables, inspires, and empowers students to achieve high academic standards, lead ethical lives, and become responsible citizens. Through a sustained commitment to education, Twin Springs High School aspires to establish a community of respectful, cooperative, and compassionate learners.

**273 Titan Lane  
Nickelsville, VA 24271  
(276) 479-2185**

## **Twin Springs High School Students and Parents**

As you select courses for the coming school year, please talk with counselors about what courses you should be taking based upon your type diploma, educational goals, and career plan. Make your course selections for those courses that you have full intentions to complete. In this booklet we have tried to include information that will be beneficial in helping you make your selections. Course descriptions have been included for all classes. We will also be offering Honors English and Honors Biology I for those students seeking a more challenging English and Biology curriculum.

The master schedule is designed around student requirements and selected electives. Once this schedule is designed and finalized, there is minimal room to accommodate requests for schedule changes. There will, however, be requests and legitimate circumstances for schedule changes. Circumstances for change would include but are not limited to:

- The student's schedule was printed with fewer than eight classes;
- The student passed a course in summer school and does not need to retake;
- A required course was omitted from the student's schedule;
- The student failed a prerequisite course;
- The student wishes to enroll in a higher level course;
- The student wishes not to be in a dual enrollment section;
- The student wishes to change their diploma type;
- Other extenuating circumstances approved by guidance or administration.

It is our goal in class offerings and selections at Twin Springs High to offer all students an opportunity to meet their career goals. Please take time to consider your selections carefully.

Thank You

Mr. Jordan Mullins, Principal

# Twin Springs High School Curriculum

## English

English 8, 9, 10, 11, 12  
English 12 DE

English 9 - 11 Honors

## Math

Pre Algebra Pt. I & Pt. II  
Algebra I Pt. I & Pt. II  
Algebra Functions & Data  
    Analysis  
Algebra II

Geometry  
Math Analysis DE  
Trigonometry DE  
Probability & Statistics

## Science

Biology I  
Biology I Honors  
Biology II/Genetics  
General Biology I-II DE  
Chemistry I

Chemistry II  
Chemistry III DE  
Earth Science II  
Environmental Science

## Social Science

U.S. History / DE  
20<sup>th</sup> Century His.  
U.S. Government

U. S. Government DE  
World History I  
World Geography

## Business

Computer Information System  
Computer Information  
    System DE  
Cyber Security

Digital Applications  
Economics & Personal  
    Finance  
Web Design

## Fine Arts / Electives

Art I, II, III, IV  
Marching Band  
Concert Band

Humanities  
Yearbook

## **Foreign Language**

Spanish I, II, III

Spanish DE

## **Physical Education**

PE 8, 9 & 10

Advanced PE I, II, III

## **Family & Consumer Sciences**

Family Relations

Life Planning

Independent Living

Leadership

Nutrition & Wellness

## **Career & Technical**

### **2 Block Classes**

Auto Body Technology

Nurse Aide I & II

Automotive Technology

Nurse Aide I & II DE

Carpentry

Programming I

Cosmetology

Advanced Programming II

Early Childhood Education

Outdoor Recreation, Parks, and

Equine Management

Tourism Systems Management

Electricity

Sports Medicine I & II

Electricity DE

Small Animal Care I & II

Graphic Imaging Technology

Veterinary Science I & II

Horticulture, Greenhouse Plant

Welding

Production, Landscaping

Welding DE

HVAC

### **1 Block Classes**

Drama

Introduction to Early Childhood

Technical Drawing & Design

Education DE

Engineering Drawing/Design

Introduction to Health & Medical  
Science

Introduction to Culinary Arts

Introduction to Early Childhood  
Education

Introduction to Health & Medical  
Science DE

# A. Linwood Holton Governor's School

[www.hgs.k12.va.us](http://www.hgs.k12.va.us)\*

## First Semester Block Courses

Astronomy  
Biology 101  
History of Western Civilization  
Human Anatomy & Physiology (Part 1)  
Probability and Statistics  
Principles of Physics

## Second Semester Block Courses

Astronomy  
Biology 102  
History of Western Civilization  
Human Anatomy & Physiology (Part 2)  
Intro to Engineering Methods &  
Computer Programming  
Principles of Physics

## Asynchronous Course Schedule

### First Semester Courses

Advanced Multimedia  
Appalachian History  
Cybersecurity  
English 111/112  
Environmental Science  
History of World Civilization

### Second Semester Courses

Advanced Multimedia  
Appalachian History  
Creative Writing  
Cybersecurity  
Environmental Science  
History of World Civilization

## Elite Learning

[www.svetn.org](http://www.svetn.org) \*

America in the Gilded Age  
Business Law I-II  
Civil War & Reconstruction  
Creative Writing  
Economics & Personal Finance  
English 12  
Introduction to Business  
Medical Terminology &  
Disease Process I  
Personal Finance

Principles of Psychology  
Principles of Sociology  
Statistical Reasoning  
Quantitative Reasoning  
Survey of American Literature I & II  
Survey of Criminal Justice  
Survey of Criminology  
U.S. History I-II  
U.S. Government I & II

*\* These courses are subject to change depending on availability through the on-line provider.*

*Students are responsible for dual enrollment fees. These fees are due at the beginning of each semester.*

*College placement test scores and satisfactory completion of prerequisites will determine participation in the dual enrollment program.*

# On-line Classes

## Virtual Virginia - [www.virtualvirginia.org](http://www.virtualvirginia.org) \*

### Computer Science

- 3185 AP Computer Science A
- 6640 Intro to Computer Science \*
- 6641 Intro to Game Design & Development\*

### Fine Arts

- 9151 AP Art History
- 9226 AP Music Theory

### Health & Physical Education

- 7300 Health and PE9 (not Driver Ed)
- 7400 Health and PE10 (not Driver Ed)

### History & Social Sciences

#### Economics

- 2801 Economic \*
- 2802 AP Microeconomics
- 2803 AP Macroeconomics
- 2804 AP Economics
- 6120 Economics & Personal Finance

#### Government

- 2440 Virginia and US Government
- 2445 AP Government & Politics: US
- 2450 AP Government & Politics Comparative

#### History & Geography

- 2212 AP Human Geography
- 2215 World History & Geography to 1500 A.D.
- 2216 World History & Geography 1500 to Present
- 2319 AP US History
- 2360 Virginia & US History
- 2380 AP World History
- 2399 AP European History

#### Psychology

- 2900 Psychology
- 2901 AP Psychology

#### English

- 1130 English 9
- 1140 English 10
- 1150 English 11
- 1160 English 12
- 1165 World Mythology \*
- 1171 Creative Writing
- 1195 AP English Literature & Composition
- 1196 AP English Language & Composition

#### Mathematics

- 3130 Algebra I \*
- 3134 Algebra, Functions, & Data Analysis
- 3135 Algebra II
- 3143 Geometry \*
- 3162 Pre-Calculus/Mathematical Analysis
- 3177 AP Calculus BC
- 3192 AP Statistics

### Science

#### Biology

- 4310 Biology I
- 4340 Biology II - Ecology
- 4370 AP Biology

#### Earth Science

- 4210 Earth Science I \*
- 4250 Earth Science II - Oceanography
- 4260 Earth Science II - Astronomy
- 4270 AP Environmental Science

#### Chemistry

- 4410 Chemistry I
- 4420 Chemistry II

#### Physics

- 4510 Physics I
- 4573 AP Physics I
- 4574 AP Physics II

### World Languages

#### Arabic

- 5010 Arabic I \*
- 5020 Arabic II \*
- 5030 Arabic III

#### Chinese

- 5810 Chinese I \*
- 5820 Chinese II \*
- 5830 Chinese III
- 5840 Chinese IV
- 5860 AP Chinese Language & Culture

#### French

- 5110 French I \*
- 5120 French II \*
- 5130 French III
- 5140 French IV
- 5170 AP French Language & Culture

#### Latin

- 5310 Latin I \*
- 5320 Latin II \*
- 5330 Latin III
- 5340 Latin IV
- 5370 AP Latin

#### Spanish

- 5510 Spanish I \*
- 5520 Spanish II \*
- 5530 Spanish III
- 5540 Spanish IV
- 5570 AP Spanish Language & Culture
- 5580 AP Spanish Literature & Culture

#### World Language & Culture

- 5700 Survey of World Language & Culture \*

# COURSE DESCRIPTIONS

## **English 8**

English 8 is designed for students in 8th grade. The course is year-long.

## **English 9**

**Prerequisite: English 8**

**High School Credit: 1**

English 9 is designed for students in 9th grade. The course may be taken in either the fall or spring semester. Standards included in this course are: communication, reading, writing, and research. Students will: make planned oral presentations; produce, analyze, and evaluate auditory, visual, and written media messages; apply knowledge of word origins, derivations, and figurative language to extend vocabulary development; read, comprehend, and analyze a variety of literary texts and nonfiction texts; develop narrative, expository, and persuasive writings; self-edit and peer-edit writing; use print, electronic databases, online resources, and other media to create a research project. A high school graduation credit will be received for successful completion of this course.

## **English 9 Honors**

**Prerequisite: English 8**

**High School Credit: 1**

English 9 Honors is designed for students in 9th grade. The course may be taken in either the fall or spring semester. The regular English 9 standards in communication, reading, writing, and research will be met in this course. In addition, this course will be more challenging due to the reading pace, the depth of analysis, public speaking component, and the expected quality of writing. The literary selections will cover a large breadth in history and depth in culture in order to provide a provoking and long-lasting experience for the student. The faster reading pace means students will be required to read and analyze more works than the regular English 9 students. This course involves a consistent homework load. This class will also lay the foundations of college level written and oral expression and serve to deepen the students' investigation and critical evaluation of literature, history, theory, and rhetoric. During the completion of this course, the student will have sound experience in writing from both the persuasive/argumentative and analytical modes, both of which are necessary for the college and business communities. The student will generate a rational approach to criticism and analysis of their own and other written work. The expectation will be for high quality and quantity as students meet and exceed state standards. Students with a final average of 70 or above will have five points added to final grade.

## **English 10**

**Prerequisite: English 9**

**High School Credit: 1**

English 10 is designed for students in 10th grade. The course may be taken in either the fall or spring semester. Standards included in this course are: communication, reading, writing, and research. Students will: participate in, collaborate in, and report on small group learning activities; analyze, produce, examine similarities and differences between visual and verbal media messages; apply knowledge of word origins, derivations, and figurative language, read, comprehend, and analyze literary texts of different cultures and eras; read, interpret, analyze, and evaluate nonfiction texts; develop a variety of writing to persuade, interpret, analyze, and evaluate; self-edit and peer-edit writing; collect, evaluate, organize, and present information to create a research project. A high school graduation credit will be received for successful completion of this course

**English 10 Honors**  
**Grade: 10**  
**Prerequisite: English 9**  
**High School Credit: 1**

English 10 Honors is designed for students in 10th grade. The course may be taken in either the fall or spring semester. The regular English 10 standards in communication, reading, writing, and research will be met in this course. In addition, this course will be more challenging due to the reading pace, the depth of analysis, public speaking component, and the expected quality of writing. The literary selections will cover a large breadth in history and depth in culture in order to provide a provoking and long-lasting experience for the student. The faster reading pace means students will be required to read and analyze more works than the regular English 10 students. This course involves a consistent homework load. This class will also lay the foundations of college level written and oral expression and serve to deepen the students' investigation and critical evaluation of literature, history, theory, and rhetoric. During the completion of this course, the student will have sound experience in writing from both the persuasive/argumentative and analytical modes, both of which are necessary for the college and business communities. The student will generate a rational approach to criticism and analysis of their own and other written work. The expectation will be for high quality and quantity as students meet and exceed state standards. Students with a final average of 70 or above will have five points added to final grade.

**English 11**  
**Grade: 11**  
**Prerequisite: English 10**  
**High School Credit: 1**

English 11 is designed for students in 11th grade. The course may be taken in either the fall or spring semester. Standards included in this course are: communication, reading, writing, and research. Students will: make informative and persuasive presentations; examine how values and points of view are included or excluded and how media influences beliefs and behaviors; apply knowledge of word origins, derivations, and figurative language; read, comprehend, and analyze relationships among American literature, history, and culture. Students are required to take and pass the Standards of Learning End of Course test to receive a verified credit for English 11.

**English 11 Honors**  
**Grade: 11**  
**Prerequisite: English 10**  
**High School Credit: 1**

English 11 Honors is designed for students in 11th grade. The course may be taken in either the fall or spring semester. The regular English 11 standards in communication, reading, writing, and research will be met in this course. In addition, this course will be more challenging due to the reading pace, the depth of analysis, public speaking component, and the expected quality of writing. This course will expand upon writing skills through a variety of expository and creative papers with a special focus on the research process and the thesis-based research paper, argument, and literary analysis. The literary selections will cover a large breadth in history and depth in culture in order to provide a provoking and long-lasting experience for the student. Literature will be studied in conjunction with the U.S. History course; however, students will be required to read more than the regular English 11 students, and the complexity of the work will increase. This course involves a consistent homework load of both short-term and long-term assignments. This class will also lay the foundations of college level written and oral expression and serve to deepen the students' investigation and critical evaluation of literature, history, theory, and rhetoric. The expectation will be for high quality and quantity as students meet and exceed state standards. Students are required to take and pass the Standards of Learning End of Course test to receive a verified credit for English 11. Students with a final average of 70 or above will have five points added to final grade.



## **English 12**

**Grade: 12**

**Prerequisite: English 11**

**High School Credit: 1**

English 12 is designed for students in 12th grade. The course may be taken in either the fall or spring semester. Standards included in this course are: communication, reading, writing, and research. Students will: make a formal oral presentation; examine how values and points of view are included or excluded and how media influences beliefs and behaviors; apply knowledge of word origins, derivations, and figurative language; read, comprehend, and analyze the development of British literature and literatures of other cultures; read and analyze a variety of nonfiction texts; develop expository and informational analyses, and persuasive/argumentative writings; write, revise, and edit writing; write documented research papers. A high school graduation credit will be received for successful completion of this course.

## **English 12 Dual Enrollment**

**Grade: 12**

**Prerequisite: English 11 &**

**VPT High School Credit: 1**

**College Credit: ENG**

**111/112 - 6 credit hours**

ENG 111: Introduces students to critical thinking and the fundamentals of academic writing. Through the writing process students refine topics: develop and support ideas; investigate, evaluate, and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences, and purposes. Writing activities will include exposition and argumentation with at least one researched essay. ENG 112: Continues to develop college writing with increased emphasis on critical essays, argumentation, and research, developing these competencies through the examination of a range of texts about the human experience. Requires students to locate, evaluate, integrate, and document sources and effectively edit for style and usage. Students with a final average of 70 or above will have five points added to final grade.

## **Pre-Algebra 8**

Pre-Algebra 8 is designed for students in 8th grade. The course is year-long.

### **Algebra I Part I**

**Grade: 9 (Fall Semester)**

**Prerequisite: Pre-Algebra**

**High School Credit: 1**

Algebra I Part I is designed for students entering 9th grade. This is the first part of a two-part Algebra I series and covers approximately 50% of the Algebra I Standards of Learning. Topics include patterns, generalization of arithmetic concepts, proportional reasoning, and representation of mathematical relationships using tables, symbols, and graphs. The study of Algebra focuses on such concepts and skills associated with expressions and operations, equations and inequalities, functions, and statistics. Algebra I Part II must be completed to earn a high school graduation credit for Algebra I.

### **Algebra I Part II**

**Grade: 9 (Spring Semester)**

**Prerequisite: Algebra I Part I**

**High School Credit: 1**

Algebra I Part II is designed for students in the second semester of 9th grade. This is the second part of a two-part Algebra I series and covers the other half of the Algebra I Standards of Learning. Topics include patterns, generalization of arithmetic concepts, proportional reasoning, and representation of mathematical relationships using tables, symbols, and graphs. The study of Algebra focuses on such concepts and skills associated with expressions and operations, equations and inequalities, functions, and statistics. A high school graduation credit will be received for successful completion of this course. Students are required to take and pass the Standards of Learning End of Course Test to receive a verified credit for Algebra I

## **Algebra Functions & Data Analysis**

**Grade: 10-12**

**Prerequisite: Algebra I**

**High School Credit: 1**

AFDA is designed for students who have successfully completed the standards for Algebra I. Within the context of mathematical modeling and data analysis, students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations or a system of equations. A high school graduation credit will be received for successful completion of this course.

## **Algebra II**

**Grade: 10-12**

**Prerequisite: Algebra I & Geometry**

**High School Credit: 1**

Algebra II is designed for students with mastery of Algebra I concepts. All students preparing for postsecondary and advanced technical studies are expected to achieve the Algebra II standards. Topics include the study of functions, equations, inequalities, systems of equations and inequalities, polynomials, rational and radical equations, complex numbers, and sequences and series. Graphing utilities, such as the graphing calculator, are integral to the course. Students seeking an advanced diploma must take and pass the course. A high school graduation credit will be received for successful completion of this course.

## **Geometry**

**Grades: 10-12**

**Prerequisite: Algebra 1**

**High School Credit: 1**

Geometry is designed for students who have successfully completed the standards for Algebra 1 and are seeking an advanced diploma. Topics include emphasis on two- and three-dimensional reasoning skills, coordinate and transformational geometry, and the use of geometric models to solve problems. Topics include: reasoning, lines, and transformation; triangles; polygons and circles; and three-dimensional figures. These topics will be explored via algebraic and coordinate methods, deductive reasoning and proof, and construction. Students are required to take and pass the Standards of Learning End of Course Test to receive a verified credit for Geometry.

## **Math Analysis**

**Grades: 11-12**

**Prerequisite: Algebra II**

**High School Credit: 1**

Math Analysis is designed for students pursuing an advanced high school diploma and is recommended for students interested in the sciences or any of the medical fields. Topics include linear relations and functions, quadratic functions and inequalities; function transformations; polynomial, power, and rational functions; systems of equations; exponential and logarithmic functions; and complex numbers.

**Math Analysis Dual**  
**Enrollment Grades: 11-12**  
**Prerequisite: Geometry, Algebra II, & VPT**  
**High School Credit: 1**  
**College Credit: MTH 161 - 3 credit hours**

Math Analysis DE is designed for students pursuing an advanced high school diploma and is recommended for students interested in the sciences or any of the medical fields. Topics include linear relations and functions, quadratic functions and inequalities; function transformations; polynomial, power, and rational functions; systems of equations; exponential and logarithmic functions; and complex numbers. Students with a final average of 70 or above will have five points added to final grade.

**Trigonometry Dual Enrollment**  
**Grades: 11-12**  
**Prerequisite: Math Analysis DE, Geometry, & VPT**  
**High School Credit: 1**  
**College Credit: MTH 162 - 3 credit hours**

Trigonometry DE is designed for students pursuing an advanced high school diploma and is recommended for students interested in the sciences or medical field. Topics include right triangle relations; unit circle properties and symmetries; graphs of trigonometric functions; inverse trigonometric functions; identities; the Law of Sines and the Law of Cosines; vector operations; parametric and polar graphs; DeMoivre's Theorem; Euler's Identity; and conic sections. Students with a final average of 70 or above will have five points added to final grade. Students with a final average of 70 or above will have five points added to final grade.

**Probability & Statistics**  
**Grades: 10-12**  
**Prerequisite: Algebra I**  
**High School Credit: 1**

Probability & Statistics is designed for students pursuing either a standard or advanced diploma. For those seeking an advanced diploma, the course introduces the basic idea and techniques needed for success in a college level (non-Calculus based) Probability and Statistics course. For those seeking a standard diploma, the class provides a working knowledge of data analysis which will prepare them for processing the statistics that make up much of the public information and social media in daily life. The course will cover multiple types of statistical graphs, uses and methods for obtaining summarizing numbers of data sets, univariate and bivariate data sets, descriptive and inferential analysis methods, multiple distributions, and the technology and problems associated with each topic.

**Physical  
Education  
Grades: 8-10  
Prerequisite: NA  
High School Credit: 1**

In physical education, students develop physical fitness and health.

**BIOLOGY I**  
**Grade: 10**  
**Prerequisite: NA**  
**High School**  
**Credit: 1**

Biology I is designed for students in 10th grade. The course may be taken in either the fall or the spring semester. The regular Biology standards in scientific reasoning and investigation, chemical and biochemical processes, cellular processes, life functions, mechanisms of inheritance, principles of evolution, and ecological interactions and population dynamics will be met in this course. Students will be expected to read grade level appropriate material, participate in class discussion of concepts, conduct basic scientific experiments, and analyze biological data and draw conclusions. Students will exercise critical thinking skills in order to be more successful in understanding biological concepts.

**Biology I Honors**  
**Grade: 10**  
**Prerequisite: NA**  
**High School Credit: 1**

Biology I Honors is designed for students in 10th grade. The course may be taken in either the fall or the spring semester. The regular Biology standards in scientific reasoning and investigation, chemical and biochemical processes, cellular processes, life functions, mechanisms of inheritance, principles of evolution, and ecological interactions and population dynamics will be met in this course. In addition, this course will be more challenging due to the reading pace, the depth of concept coverage, and the expected quality of student participation in oral, written, and laboratory performance-based activities. Since this class will also lay the foundations of college level critical thinking, scientific and technical interpretation and expression, and experimental design and investigation, the course will include advanced scientific investigations and scientific reporting as well as comprehension and critical evaluation of scientific literature. The expectation will be for high quality and quantity as students meet and exceed state standards. Students with a final average of 70 or above will have five points added to final grade.

**Biology II - Genetics**  
**Grades: 10-12**  
**Prerequisite: Biology I**  
**High School Credit: 1**

Students will continue their study of biology in this upper level science elective. An emphasis will be placed on problem solving and decision-making skills while exploring inheritance patterns, genetic disorders, DNA technology, and the future of genetics in medicine, agriculture and one's life.

**General Biology I-II Dual Enrollment**  
**Grades: 10-12**  
**Prerequisite: Biology I & VPT**  
**High School Credit: 1**  
**College Credit: BIO 101/102 - 8 credit hours**

This course will transfer and satisfy general science credit hours for future college majors. Topics covered will include exploration of living matter from the molecular level to the ecological community with emphasis on general biological principles. Students with a final average of 70 or above will have five points added to final grade.

**Chemistry I Grades: 11-12**  
**Prerequisite: Algebra II**  
**High School Credit: 1**

Chemistry I is a science course designed for students in the 11th grade. Students will study the placement of elements on the periodic table and how that is determined by atomic structure. Students will apply the law of conservation of matter and energy to writing chemical formulas, naming compounds, balancing and predicting the products of chemical reactions and calculating expected yields based on molar relationships. Key concepts include kinetic molecular theory, states of matter, solutions, acids and bases, chemical equilibrium and thermo-chemistry and thermodynamics. Chemistry students will perform laboratory experiments in which they will make observations, collect and evaluate data, and draw both qualitative and quantitative conclusions.

**Chemistry II Grades: 11-12**  
**Prerequisite: Chemistry I**  
**High School Credit: 1**

Chemistry II is a second-year advanced chemistry class taught to highly motivated 11th or 12th grade students interested in continuing their education in the sciences and medical professions. In Chemistry II, students will continue to study and develop a more detailed understanding of the placement of elements on the periodic table and how that is determined by atomic structures. Students will apply the law of conservation of matter and energy to writing chemical formulas, naming compounds, balancing and predicting the products of chemical reactions and calculate expected yields based on molar relationships. Key concepts include kinetic molecular theory, states of matter, solutions, acids and bases, chemical equilibrium and thermochemistry and thermodynamics. Chemistry II students will perform laboratory experiments in which they will make observations, collect and evaluate data, and draw both qualitative and quantitative conclusions. Chemistry II is a math intensive course and students will be required to take some assessments in a timed format with/without the use of a calculator. Chemistry II is also a lab intensive course and much of the course work and rigor will come from lab experiments and projects.

**EARTH SCIENCE II – Advanced Survey of Earth Science Topics**  
**Grade: 10-12**  
**Prerequisite: Earth Science I**  
**High School Credit: 1**

Students will continue their study of earth science in this upper level science course. Earth Science II will build on the concepts learned in Earth Science I. The Earth Science standards connect the study of Earth's composition, structure, processes, and history; its atmosphere, fresh water, and oceans; and its environment in space. The standards emphasize historical contributions in the development of scientific thought about Earth and space. The standards stress the interpretation of maps, charts, tables, and profiles; the use of technology to collect, analyze, and report data; and the utilization of science skills in systematic investigation. Problem solving and decision making are an integral part of the standards, especially as they relate to the costs and benefits of utilizing Earth's resources. Major topics of study include plate tectonics, the rock cycle, Earth history, the oceans, the atmosphere, weather and climate, and the solar system and universe. This course will provide a meaningful watershed educational experience (MWEE) that will enable students to graduate with the knowledge and skills to act responsibly to protect and restore their local watershed.

## **Environmental Science**

**Grades: 9**

**Prerequisite: NA**

**High School Credit: 1**

This course is designed to provide foundational content that will prepare students for either Earth Science I or Biology I while also including aspects of other disciplines such as civic engagement, mathematics, and engineering. The goal of the course is to provide the students with the skills and content necessary for them to analyze current and future environmental issues, both natural and man-made, through a critical lens and to provide a platform to make informed decisions. This course will provide students the opportunity to learn environmental concepts in depth and build on science standards.

## **Virginia & United States History**

**Grade: 11**

**Prerequisite: None**

**High School Credit: 1**

Virginia & United States History is designed for students entering 11th grade. This course may be taken in either the fall or spring semester. Standards included in this course are the historical development of American ideas and institutions from the Age of Exploration to the present. With a focus on political and economic history, the standard provides students with a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States and Virginia history. A high school graduation credit will be received for successful completion of this course.

## **Virginia & United States History Dual Enrollment**

**Grade: 11**

**Prerequisite: VPT**

**High School Credit: 1**

**College Credit: HIS 121/122 - 6 credit hours**

Virginia & United States History DE is designed for students pursuing an advanced diploma and is recommended for students interested in receiving college credit. This course may be taken in either the fall or spring semester. Standards included in this course are the historical development of American ideas and institutions from the Age of Exploration to the present. With a focus on political and economic history, the standard provides students with a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States and Virginia history. Students with a final average of 70 or above will have five points added to final grade.

## **Virginia & United States Government**

**Grade: 12**

**Prerequisite: None**

**High School Credit: 1**

Virginia & United States Government is designed for students entering 12th grade. This course may be taken in either the fall or spring semester. Students will examine fundamental constitutional principles, the rights and responsibilities of citizenship, the political culture, the policy-making process at each level of government, and the operation of the United States market economy. A high school graduation credit will be received for successful completion of this course.

## **Virginia & United States Government Dual Enrollment**

**Grade: 12**

**Prerequisite: VPT**

**High School Credit: 1**

**College Credit: PLS 211/212 - 6 credit hours**

Virginia & United States Government DE is designed for students pursuing an advanced diploma and is recommended for students interested in receiving college credit. This course may be taken in either the fall or spring semester. Students will examine fundamental constitutional principles, the rights and responsibilities of citizenship, the political culture, the policy-making process at each level of government, and the operation of the United States market economy. Students with a final average of 70 or above will have five points added to final grade.

## **World Geography**

**Grade: 9-12**

**Prerequisite: None**

**High School Credit: 1**

World Geography is designed for students in 9th grade. The course may be taken in either the fall or spring semester. The focus of this course is the study of the world's peoples, places, and environments, with an emphasis on world regions. The knowledge, skills, and perspectives of the course are centered on the world's peoples and their cultural characteristics, landforms and climates, economic development, and migration and settlement patterns. Spatial concepts of geography will be used as a framework for studying interactions between humans and their environments. Using geographic resources, students will employ inquiry, research, and technology skills to ask and answer geographic questions. Particular emphasis will be placed on students understanding and applying geographic concepts and skills to their daily lives.

## **World History**

**Grade: 9-12**

**Prerequisite: None**

**High School Credit: 1**

World History is designed for students in 10th grade. The course may be taken in either the fall or spring semester. These standards will enable students to explore the historical development of people, places, and patterns of life from ancient times until 1500 A.D. (C.E.) in terms of the impact on Western civilization. The study of history rests on knowledge of dates, names, places, events, and ideas. Historical understanding, however, requires students to engage in historical thinking, raise questions, and marshal evidence in support of their answers. Students engaged in historical thinking draw upon chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision making. These skills are developed through the study of significant historical substance from the era or society being studied.



**Spanish I Grades:  
9-12 Prerequisite:  
NA  
High School Credit: 1**

In Spanish I, students begin to develop communicative competence in Spanish and expand their understanding of the culture(s) of Spanish-speaking countries. Communicative competence is divided into three strands: Interpersonal speaking and writing as interactive processes in which students learn to communicate with another Spanish speaker; interpretive listening and reading as receptive processes in which students develop comprehension of Spanish; presentational speaking and writing in which students focus on organization of thoughts and awareness of their audience in delivering information.

**Spanish II  
Grades: 9-12  
Prerequisite: Spanish I  
High School Credit: 1**

In Spanish II, students continue to develop their communicative and cultural competence by interacting orally and in writing with other Spanish speakers, understanding oral and written messages in the language, and making oral and written presentations in the language. They begin to show a greater level of accuracy when using basic language structures, and they are exposed to more complex features of Spanish. They continue to focus on communicating about their immediate world and daily activities. They read material on familiar topics and write short, directed compositions. Emphasis continues to be placed on use of Spanish in the classroom as well as on use of authentic materials to learn about Spanish language and cultures. Emphasis continues to be placed on use of Spanish in the classroom as exclusively as possible, as well as on use of authentic materials to learn about the Spanish language and culture(s).

**Spanish III  
Grades: 10-12  
Prerequisite: Spanish II  
High School Credit: 1**

In Spanish III, students continue to develop their communicative and cultural competence by interacting orally and in writing with other Spanish speakers, understanding oral and written messages in the language, and making oral and written presentations in Spanish. They communicate on a variety of topics at a level commensurate with their study, using more complex structures in the language and moving from concrete to more abstract concepts in a variety of time frames. They comprehend the main ideas of authentic materials that they listen to and read and are able to identify significant details when the topics are familiar. Students develop the ability to sustain a conversation in Spanish about topics that include historical and contemporary events and issues. Emphasis continues to be placed on use of Spanish in the classroom as exclusively as possible, as well as on use of authentic materials to learn about the Spanish language and culture(s).

## **Digital Applications**

**Grades: 9**

**Prerequisite: NA**

**High School Credit: 1**

Digital Applications is designed for secondary school students to develop real-life, outcome-driven approach skills for digital citizenship, basic computer operations, keyboarding, and application software (word processing, spreadsheets, multimedia applications, databases), and career exploration. This course promotes skills that can be applied across the curriculum and offers preparation relevant to 21st century skills and postsecondary education.

## **Economics & Personal Finance**

**Grade: 11**

**Prerequisite: NA**

**High School Credit: 1**

Economics and Personal Finance is designed for students in 11th grade. This class presents economic concepts that help students interpret the daily news, understand how interdependent the world's economies are, and anticipate how events will impact their lives. Students will learn that their own human capital (knowledge and skills) is their most valuable resource and that investing in education and training improves the likelihood of their future economic success. Topic include: understanding limited resources, making choices regarding finances, benefits of compound interest over time, and cost and benefit options. This class of Economics & Personal Finance is required for both standard and advanced diplomas. Students are required to take the WISE Literacy test.

## **Computer Information Systems**

**Grades: 10-12**

**Prerequisite: VPT**

**High School Credit: 1**

**DE College Credit: ITE 119 -3 credit hours**

This course presents the information literacy core competencies focusing on the use of information technology skills. Students will learn three topics of Microsoft Office 2016: Microsoft Word, Microsoft Excel, and Microsoft PowerPoint, and the integration of these topics. Students need adequate keyboarding skills to excel in this class. Students will first be presented with an overview of essential computer concepts and the Windows operating system, followed by introductory units in Internet, terminology used in computers, and cybersecurity. Skills and knowledge will be developed in database searching, computer applications, information security and privacy, and intellectual property issues. Students with a final average of 70 or above will have five points added to final grade.

**Independent Living**  
**Grade: 9-12**  
**Prerequisites: NA**  
**High School Credit: 1**

Students in Independent Living build life skills focusing on establishing positive relationships, balancing work and family life, investigating careers, making responsible consumer choices, applying nutrition and wellness knowledge, and studying child development and parenting.

**Nutrition & Wellness**  
**Grades: 9-12**  
**Prerequisites: NA**  
**High School Credit: 1**

Students enrolled in Nutrition and Wellness focus on understanding wellness, investigating principles of nutrition, using science and technology in food management, ensuring food safety, planning menus and preparing food, and exploring careers in the field of nutrition and wellness. Critical thinking and practical problem solving are emphasized.

**Life Planning**  
**Grade: 9-12**  
**Prerequisites: NA**  
**High School Credit: 1**

Life Planning equips students with life skills. Creating and maintaining healthy relationships, practicing personal nutrition, health, and wellness, and developing a life-management plan are emphasized through relevant life applications.

**Leadership**  
**Grade: 9-12**  
**Prerequisites: NA**  
**High School Credit: 1**

Students develop competencies in identifying individual aptitudes in relation to effective leadership skills, understanding organizational behavior, using effective communication in the workplace, handling human resources and organizational problems, supervising and training employees, resolving conflict, and planning for the future. Continuing education in leadership is emphasized as well as practical leadership experiences in cooperation with school and community leaders.

**Family Relations**  
**Grade: 9-12**  
**Prerequisites: NA High**  
**School Credit: 1**

Students enrolled in Family Relations focus on analyzing the significance of the family; nurturing human development in the family throughout the life span; analyzing identifying factors that build and maintain healthy family relationships; developing communication patterns that enhance family relationships; dealing effectively with family stressors and conflicts; managing work and family roles and responsibilities; analyzing social forces and conditions that influence families across the life span; and cultivating the safety and well-being of the family. Critical thinking, practical problem solving, and entrepreneurship opportunities within the area of family responsibilities and services are emphasized. Instructors highlight the basic skills of mathematics, science, and communication when appropriate.

**Art I**  
**Grades: 9-12**  
**Prerequisites: NA**  
**High School Credit: 1**

This course encourages students to expand their knowledge of art techniques while focusing on developing strong artistic skills. Students learn a variety of drawing techniques to develop skills in observational drawing. The skills learned in this course are especially important for any students who wish to take any of the high school art courses. Each project is designed to teach/review the Elements and Principles of Art, and to help students become more independent artists.

**Art II**  
**Grades: 9-12**  
**Prerequisite: Art I**  
**High School Credit: 1**

This course is for students who want an opportunity to advance to a higher level of understanding and skill development in the two-dimensional and three-dimensional areas. Art II builds upon the skills and knowledge learned in Art 1. Stronger emphasis is placed on composition and the creation of original artworks for portfolios. The general areas of study included in this course are a focus on art history, recognizing works and artists from different periods of art history and world cultures. Students will be expected to express their ideas in a variety of styles and methods. Students will be required to participate in class discussion, discuss works of art, critique a formal work of art, study styles of art through slides and videos, and create projects that illustrate these styles in order to earn credit for this course.

**Art III**  
**Grades: 10-12**  
**Prerequisite: Art II**  
**High School Credit: 1**

This course is designed for students who show strong interest and talent in visual art. Students are expected to present their own personal point of view while creating unique works for portfolios and exhibitions. Students are required to maintain a working sketchbook/journal in addition to their class work. Students will enter their work in competitions and exhibitions. Individualized studies of special interest are encouraged. Students will be required to recognize works and artists from different periods and styles, communicate ideas about works of art through writing and speaking, submit a writing piece suitable for inclusion in their writing portfolio, study styles of art through slides and videos, and create projects that illustrate these styles in order to earn credit for this course.

**Art IV**  
**Grades: 10-12**  
**Prerequisite: Art III**  
**High School Credit: 1**

This course is for students who are highly motivated and have a desire to do college level work. Course work is designed around those students who are planning a career in the visual art field. Students will concentrate their efforts on developing an art portfolio, which will include 15 quality works of art per semester in various media around a common theme. Students must also submit a writing piece for their writing portfolio and complete research studies in order to earn credit for this course. A slide portfolio showing the student's work is required for the final evaluation at the end of the course.

**Humanities**  
**Grades: 11-12**  
**Prerequisite: NA**  
**High School Credit: 1**

This course is a fine art elective open to students in 11th and 12th grades. Topics include: ethics, morals, values; thought process; human emotions; how we think, feel, and act on human emotions based on philosophy; evolution of cultural values from prehistoric times to early civilizations; cultural differences of Native American tribal wisdoms; valuable lessons relating to religion and spiritualism.

**Marching Band**  
**Grades: 8-12**  
**Prerequisite: NA**  
**High School Credit: 1**

This course is open to students in 9th through 12th grade. Students should be interested in marching at football games, parades, and all school-related events.

**Concert Band**  
**Grade: 8-12**  
**Prerequisite: Audition**  
**High School Credit: 1**

This course is designed for intermediate level students with opportunities to advance through the audition process. Students will work on skills and developmental abilities.

**Yearbook**  
**Grade: 12**  
**Prerequisite: Audition**  
**High School Credit: 1**

This course is designed for intermediate level students to work on creating the school yearbook.



## Standard Diploma

### *Students entering 9th grade in 2011-2012 through 2017-2018*

To graduate with a Standard Diploma, a student must earn at least 25 standard units of credit by passing required courses and electives, and earn at least six verified credits by passing end-of-course SOL tests or other assessments approved by the Board of Education.

<b>Discipline</b>	<b>Standard credits required</b>	<b>Verified credits required</b>
English	4	2
Mathematics	3	1
Laboratory Science	3	1
History and Social Science	3	1
Health and Physical Education	2	
World Language, Fine Art or Career & Technical Education	2	
Economics & Personal Finance	1	
Electives	7	
Student Selected Test		1
<b>Total</b>	<b>25</b>	<b>6</b>

## Advanced Studies Diploma

### *Students entering 9th grade in 2011-2012 through 2017-2018*

To graduate with an Advanced Studies Diploma, a student must earn 27 units of credit and at least nine verified units of credit:

<b>Discipline</b>	<b>Standard credits required</b>	<b>Verified credits required</b>
English	4	2
Mathematics	4	2
Laboratory Science	4	2
History and Social Science	4	2
World Language	3	
Health and Physical Education	2	
Fine Art or Career & Technical Education	1	
Economics & Personal Finance	1	
Electives	4	
Student Selected Test		1
<b>Total</b>	<b>27</b>	<b>9</b>

## Standard Diploma

### *Students entering 9th grade in 2018-2019 and Beyond*

To graduate with a Standard Diploma, a student must earn at least 25 standard units of credit by passing required courses and electives, and earn at least five verified credits by passing end-of-course SOL tests or other assessments approved by the Board of Education.

<b>Discipline</b>	<b>Standard credits required</b>	<b>Verified credits required</b>
English	4	2
Mathematics	3	1
Laboratory Science	3	1
History and Social Science	3	1
Health and Physical Education	2	
World Language, Fine Art or Career & Technical Education	2	
Economics & Personal Finance	1	
Electives	7	
<b>Total</b>	<b>25</b>	<b>5</b>

## Advanced Studies Diploma

### *Students entering 9th grade in 2018-2019 and Beyond*

To graduate with an Advanced Studies Diploma, a student must earn 27 units of credit and at least 5 verified units of credit:

<b>Discipline</b>	<b>Standard credits required</b>	<b>Verified credits required</b>
English	4	2
Mathematics	4	1
Laboratory Science	4	1
History and Social Science	4	1
World Language	3	
Health and Physical Education	2	
Fine Art or Career & Technical Education	1	
Economics & Personal Finance	1	
Electives	4	
<b>Total</b>	<b>27</b>	<b>5</b>

### **Verified Credits**

Credits awarded for a course in which the student earns a credit for a course and achieves a passing score on the corresponding end of course SOL.



\*\*\* More detailed information concerning diploma types may be found at:

[www.doe.virginia.gov](http://www.doe.virginia.gov)

or

**Scott County Public Schools Student/Parent Handbook**

### NOTES

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**TN / VA Scholars  
Requirements**

**Aims- Mountain Empire  
Community College  
Requirements**

<b>Credits</b>	<b>Courses</b>	<b>Credits</b>	<b>Courses</b>
4	English	4	English
4	Mathematics (Alg I, II, Geom and 1 higher level)	4	Mathematics (Alg I, II, Geom and 1 higher level)
3	Science (Bio I, Chemistry, and Physics preferred)	3	Science (Bio I & 2 other lab sciences)
3	Social Studies	3	Social Studies
1	Computer Course	1	Computer Course
1	Wellness		<b>not required</b>
1	Fine Art		<b>not required</b>
2	Foreign Language Courses in the same language	2	<b>Choose Foreign Language or Technical Courses (both not required)</b>
2	Technical Courses in the same technical track ****	2	<b>See note above for Foreign language</b>
	<b>Additional requirements:</b>		<b>Additional requirements:</b>
	80 hours of community service		20 hours of community service
	Overall "C" in required courses		Overall "C" in required courses
	No more than 36 days absent in grades 9-12		No more than 36 days absent in grades 9-12
	No Out of School Suspensions		No Out of School Suspensions
	Successfully passing SOL's needed for graduation		Successfully passing SOL's needed for graduation
	Computer class may count as 1 CTE credit.		
	<b>**** OR 2 AP Courses above TN/VA Scholars requirements OR 2 Dual Enrollment courses</b>		<b>Must be a Virginia resident in order to qualify for the AIMS Scholarship</b>

Community Service hours are due on the last day of 1st semester of the senior year.

**In compliance with the Executive Order 11246; Title II of the Education Amendments of 1976; Title VI of the Civil Rights Act of 1972; Title IX Regulation Implementing Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973; and all other Federal, State, School rules, laws, regulations, and policies.**

**Scott County Schools does not discriminate on the basis of race, color, national origin, religion, age, disability or gender in any educational program including vocational education, daily activities or extra-curricular activities, or the admission to such programs or activities.**