

10th Grade Course Descriptions

ENGLISH DEPARTMENT

English 10 (1140)

Students in English 10 will study and analyze a variety of literature from around the world and will write a variety of essays (expository, narrative, persuasive, and descriptive). Average levels of homework will be assigned regularly. The Project Graduation tutor will work with the class as a whole and with individual students on an as needed basis to reinforce preparation for the End-of-Course Writing Test.

*Students in English 10 will complete the English Writing Standards of Learning test during enrollment in the course.

English 10 Honors (1140H)

Students in English 10 Honors will study and analyze a variety of literature from around the world. Students will write a variety of essays (expository, narrative, persuasive, and descriptive). In preparation for AP English 11, students will also be introduced to more detailed examples of rhetoric, which is the art of effective speaking and writing. This course includes more extensive reading and writing assignments as compared to a regular English 10 course. The majority of these additional reading and writing assignments are to be completed outside of class.

*Students in English 10 will complete the English Writing Standards of Learning test during enrollment in the course.

Local Journalism (1220)

This course requires class members to work as a staff to produce the *Trojan Voice*, John S. Battle High School's monthly newspaper. Students in this course are required to participate in ALL aspects of newspaper production, which includes the following: writing, graphic design, ad sales, and photography. While not prerequisites, a good attendance record and at least a "B" average in English courses are highly recommended.

Photo Journalism (1215)

This course requires class members to work as a staff to produce *The Phoenix*, John S. Battle High School's yearbook. Students in this course are required to participate in ALL aspects of yearbook production, which includes the following: marketing, sales, graphic design, and photography. Summer workshops are sometimes a part of the course as well. While not a prerequisite, a good attendance record is crucial to being successful in this course.

HISTORY DEPARTMENT

World History I (2215)

In World History I students will study the development of world civilizations from the prehistoric era to 1500 A.D. Emphasis is placed on Egyptian, Greek, Roman, and Asian contributions to the modern world. This class focuses on helping students to appreciate history with a special emphasis on the appreciation of the religions of the world.

*Students in World History I will complete the World History I Standards of Learning test upon completion of this course.

World History II (2216)

This course covers World History from 1500 A.D. to the present. Beginning with the Renaissance and reformation students will study the cultures, wars, exploration, and politics from the 1500s to the present day. Topics will include World Wars I & II, Hitler's "Final Solution" and the "Holocaust", the French Revolution, the Great Depression, the Inquisition, the

Reformation, the roles of Martin Luther and John Calvin in religious change, and the Cold War (from Truman to Reagan).

*Students in World History II will complete the World History II Standards of Learning test upon completion of this course.

20th Century History (2387)

Students will learn the history of the 20th Century from a world perspective to see the way that the previous century influences the way that our modern world functions. Covering such a span of time, students will be thrown back in time using a variety of tools from basic notes and time lines, to readings, movies, music, and simulations. We move through a great deal of content in the course of the year from the Boer War to the Gulf War; the Russian Revolution to the collapse of the USSR; the first flight of the Wright Brothers to the invention of the World Wide Web; the global divisions of imperialism to the end of apartheid in South Africa. Many key events that are seen within the global confines of this decade have roots running back to the prior century and to learn more about them, we must look to the past and dig in deep. This is a non-SOL class, and with that we have some liberties within this particular study to deviate, as long as the distraction is in the 20th Century, to cover more in depth certain aspects of the topic being discussed to enrich the student's learning experience.

Humanities (2215)

Humanities is the study of various culture-oriented topics such as philosophy, pop culture, television, art, theater, film, death, religion (studied from only a historical perspective), and human emotion. The class also includes a brief study of American (and some world) history, which is intended to illustrate how historical events and culture have influenced each other throughout the 20th and 21st centuries.

MATH DEPARTMENT

Geometry (3143)

The study of geometry focuses on plane and solid figures and their properties. An emphasis is placed on triangle properties and relationships. Coordinate graphing, slope, and linear equations are also presented. The student will develop proficiency in using geometry to solve problems in everyday life, expand understanding of mathematical concepts, improve logical thinking skills, gain an understanding of geometry as a study of the mathematical relationships of objects in the world around us, and gain an appreciation of how mathematics relates to the world of work.

*Students enrolled in geometry will complete the Geometry Standards of Learning End of Course Test upon completion of the course.

Prerequisite: Successful completion of Algebra I

***Recommendation: Proficiency on the Algebra I Standards of Learning End of Course Test

Geometry Honors (3143H)

The study of geometry focuses on plane and solid figures and their properties. An emphasis is placed on triangle properties and relationships. Coordinate graphing, slope, and linear equations are also presented. The student will develop proficiency in using geometry to solve problems in everyday life, expand understanding of mathematical concepts, improve logical thinking skills, gain an understanding of geometry as a study of the mathematical relationships of objects in the world

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around us, and gain an appreciation of how mathematics relates to the world of work.

Honors Geometry includes all the subject content of the regular geometry course, but more emphasis is given to algebra, logic, third dimension, and transformational geometry.

*Students enrolled in Honors Geometry will complete the Geometry Standards of Learning End of Course Test upon completion of the course.

Prerequisite: Successful completion of Algebra I.

***Recommendations: Proficiency on the Algebra I Standards of Learning End of Course Test. Students are expected to utilize the concepts of Algebra 1 throughout the Honors Geometry course. Therefore, to be successful in Honors Geometry, a grade of "B" or better is recommended in Algebra I if the student has just completed 8th grade Algebra I, or a grade of "A" is recommended if the student has just completed 9th grade Algebra I.

Algebra, Functions, and Data Analysis (3134)

Algebra, Functions, and Data Analysis (AFDA) is a non-SOL math course offered to students who have passed Algebra I and Geometry. The course reinforces linear and quadratic functions taught in Algebra I and expands to include exponential and logarithmic functions. Some statistics such as probability, mean, median, mode, bell curves, and z-scores are also reinforced.

Prerequisite: Successful completion of Geometry

Algebra II (3135)

A thorough study of advanced algebraic concepts will be provided through the study of functions, equations, inequalities, systems of equations and inequalities, polynomials, rational and radical equations, complex numbers, sequences and series, and statistics. Emphasis will be placed on practical applications and modeling of the concepts, as well as oral and written communication concerning the language of algebra, logic of procedures, and the interpretation of results.

*Students enrolled in Algebra II will complete the Algebra II Standards of Learning End of Course Test upon completion of the course.

Prerequisites: Successful completion of Algebra I and Geometry.

***Recommendations: Proficiency on the Algebra I and Geometry State Standards of Learning Tests

Algebra II Honors (3135H)

This course is intended for the highly motivated math student. Honors Algebra II is an accelerated course that is designed for those students who have demonstrated a high level of ability in previous math courses. It covers the same topics as the traditional Algebra II class. However, it will move at a faster pace and examine some topics in greater detail than the traditional Algebra II class. Emphasis will be placed on critical and independent thinking to produce creative application of ideas.

*Students enrolled in Algebra II Honors will complete the Algebra II Standards of Learning End of Course Test upon completion of the course

Prerequisites: Successful completion of Geometry/Geometry Honors

***Recommendations: Proficiency on the Geometry State Standard of Learning Test. To be successful in Algebra II Honors, a grade of "C" or better is recommended in Geometry

Honors or a grade or "A" is recommended in traditional geometry.

SCIENCE DEPARTMENT

Biology (4310)

Biology is a survey course in which students explore life functions, the diversity of life on earth, and the interrelationships among organisms and their environment.

*Students enrolled in biology will complete the Biology Science Standards of Learning End of Course Test upon completion of the course.

Biology Honors (4310H)

Biology Honors is a fast-paced, challenging course. Students will investigate the relationship between living organisms, their macromolecules, and life processes. Students will be provided with hands on laboratory activities which enhance the content covered in class; as well as, gives an opportunity to develop their scientific skills, lab techniques, and problem solving skills. Students will learn about cell structure and function, genetics and heredity, evolution, and classification. Students will be expected to read the chapters and do homework regularly.

*Students enrolled in Biology Honors will complete the Biology Standards of Learning End of Course Test upon completion of the course.

Prerequisites: Earth Science with a final grade of A or B and Algebra I.

Chemistry I (4410)

Chemistry I is a laboratory-oriented course that provides students with a sound introduction to basic chemical principles. By using mathematics and scientific tools, students learn to define, explain, and explore why some things react and others do not. Chemistry I is a college preparatory course. Since the study of chemistry combines many different academic skills, this challenging course is recommended for all college-bound students. In particular, any students interested in a career in medicine, nursing, biology, or engineering should take Chemistry I by their junior year.

*Students enrolled in chemistry will complete the Chemistry Standards of Learning End of Course Test upon completion of the course.

Pre/Co-requisite: Algebra II, Biology

PHYSICAL EDUCATION DEPARTMENT

PE 10/Driver's Education (7400)

The tenth-grade physical education program consists of various activities. There is a daily stretching and exercise program prior to the activities to work on flexibility, strength, and injury prevention. Activities include state physical fitness testing, team sports, individual sports, and lifelong sports. Students are expected to be properly attired and prepared for class. They are also expected to participate in all activities and to practice proper citizenship and safety procedures. It is the desire that students will find various sports and/or activities which they enjoy and can participate in outside of school in order to live a more fit and productive life. Students will be evaluated and assessed on the basis of attendance, dress, participation, and written tests.

***This course is required for all tenth-grade students.*

Prerequisite: PE 9/Health

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Driver Education Classroom (7015)

Grade: 10

Objectives of driver's education will focus students on the interaction of people, vehicles, and roadways. Students will learn to reduce risk while driving on different types of highways and will learn the rules of the road. Highway signs, signals, and markings will be taught. Students will learn legal responsibilities such as ownership, registration, tags, and inspections. They will also learn about alcohol and other drugs while using or not using the HTS. Resources used include group discussions, oral reports, map study, videos, DARE officers, speakers on railroad safety, insurance agency speakers, and speakers on truck safety. Methods of evaluation include oral presentation; written reports; group projects; individual projects; and daily, chapter, and unit written tests and exams. Driver education is offered in the tenth-grade only. The guidelines and materials we use are provided to us by the Department of Motor Vehicles and the Virginia Department of Education. Methods of evaluation include oral presentation, written reports, group projects, notebooks, and daily chapter and written tests and exams

*****Successful completion of the course is a prerequisite for behind-the-wheel instruction.**

Prerequisite: PE9/Health

Strength & Conditioning (7650)

The strength and conditioning classes are designed to develop a high level of physical fitness in our students. Class activities will include running, strength training, speed and agility drills, flexibility, and other aspects of fitness training. Proper dress is required for class, and complete participation is necessary. This is a physically demanding class.

Prerequisite: Students should have a grade of A or B in physical education. Teacher recommendation is required.

FOREIGN LANGUAGE DEPARTMENT

Spanish I (5510)

This course provides an introduction for absolute beginners to the language and cultures of Spain and Latin America. Successful students will develop basic listening, speaking, reading and writing skills necessary to communicate about self, family and daily life, as well as basic survival needs. Students will also explore cultural aspects of the Spanish-speaking world. **Prerequisite:** Successful students in Spanish I bring with them a good understanding of English grammar.

Spanish II (5520)

This course is a continuation of the first level of Spanish. Students will learn the use of the past tense structures and pronoun usage. Students will continue to develop listening, speaking, reading and writing skills necessary to communicate about self, family and daily life, as well as abstract concepts such as feelings and emotions. Students will also explore cultural aspects of the Spanish-speaking world. **Prerequisite:** Successful students in Spanish II bring with them the good foundation acquired in a successful year in Spanish I.

Spanish III (5530)

Students will explore geographical and cultural aspects of Spain as well as Central and South American Spanish-speaking countries. Students will learn the use of all indicative tenses in Spanish with the addition of the present subjunctive. There is a heavy application of real-life materials and activities in order to help students develop reading and listening skills.

Students are expected to use more conversational skills to improve fluency in the language.

Prerequisite: Successful students in Spanish III have a good recall of all the subject matter covered in Spanish I and II.

French I (5110)

This course is an introduction to the French language that focuses on four essential parts of language learning: listening, speaking, reading, and writing. Students can expect to learn about the French language and culture through books, videos, music, skits, games, and more.

French II (5120)

This course builds upon the skills acquired in French I. Students will continue to learn about the French language and culture through games, videos, books, etc. Students will review essential verbs learned in French I and work to improve their writing skills.

French III (5130)

This course builds upon the skills acquired in French I & II. Students will continue to learn about the French language and culture through games, videos, books, etc. Students will review essential vocabulary and verbs from French I & II and work to improve their reading fluency in French.

FINE ARTS DEPARTMENT

Art I (9120)

Art I is an introductory course that requires no prerequisite. It builds on the knowledge of the Elements of Art and Principles of Design which are taught in elementary and middle school art. Following Virginia state guidelines, this course includes art history, aesthetics, art criticism and studio production. The students will work in drawing from life, painting with watercolor and acrylics, ceramics, sculpture, printmaking, bookbinding, and visual journaling.

Art II (9130)

Art II requires the prerequisite of Art I. It extends and refines the student's abilities to investigate and respond to the visual arts. Areas of art not studied in Art I are introduced. Practice in other areas improves skills. The students will work in drawing, painting with water color and acrylic, ceramics, sculpture, printmaking, and fiber arts. Following Virginia state guidelines, this course includes art history, aesthetics, art criticism and studio production.

Art III (9140)

Art III requires the prerequisite of Art II. It is an advanced intermediate level of study. The student will work in a variety of two and three dimensional media. Study at this level affords the student the opportunity to develop a personal direction in the production of his/her works. Following Virginia state guidelines, this course includes art history, aesthetics, art criticism and studio production.

Applied Art Design (9160)

This course focuses on the study of the applied arts, artistic objects with functional purposes. This includes, but is not limited to, ceramics, stained glass, mosaics, jewelry, fiber arts, batik, bookmaking, and metal works. Emphasis will be placed on careers in applied arts and creating opportunities for selling artisanal work. The evolution of crafts is explored historically and culturally. Home assignments and a sketchbook will be required.

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PREREQUISITE: Completion of Art 1 with a grade of B or higher and teacher recommendation.

Chorus (9285)

Chorus is for students who love to express themselves through music. This course focuses on and challenges students to achieve the normal requirements of a singleton chorus class. Areas of learning are breathing, listening, sight singing, working on the vocal register, and achieving a pure sound of singing. Opportunities to audition for the Washington All-County Chorus, Virginia District VII Choruses, and Virginia All-State are possibilities for excelled learners. Performance in concerts is a requirement for assessment.

Advanced Chorus (9289)

Advanced Chorus is for students who love to express themselves through music. The course focuses on and challenges students to achieve the normal requirements of a singleton chorus class. Major learning areas are breathing, listening, sight singing, working on the vocal register, the vocal instrument and a pure sound of singing. Opportunities to audition for the Washington All-County Chorus, Virginia District VII Choruses, and Virginia All-State are possibilities for excelled learners. Performing is a requirement for assessment.

Jazz Chorus (9280)

Jazz Chorus is a one-semester block class that allows the student to sing difficult genres of music. Emphasis is on breathing, listening, sight singing, working on the vocal register and a pure sound while singing. Also learning to be a singer with self-confidence is important to carry their own part instead of relying on others. Opportunities to audition in the Washington All County Chorus, Virginia District VII Choruses and Virginia All State are available. Different styles of jazz and a *cappella* singing are done. The challenges are for a higher level student wanting to be involved in chorus.

General Music (9214)

This course will help students enjoy and know more about the different genres of music. The emphasis will be on the elements of music, the styles and history of the different musical eras, and composers - including some current musicians. There will also be guest speakers/performers and use of the media and technology to research topics. Students will be expected to participate in class activities and even learn to play simple melodies on the keyboard. No previous musical experience is required.

Band (9234)

The Instrumental Music Instructional Program is committed to ensuring that all students have an opportunity to develop the knowledge and skills needed for success playing as a soloist and in large ensembles.

The Instrumental Music Program is a sequential and continual program of study. Students generally begin instruction in middle school, but may begin in high school after the student and parents have met with the band director to develop a specialized path of learning an instrument. High school students enrolled in band class are required to participate in the marching and concert band components of the instrumental class and earn a credit for the year.

All instrumental music curricula is designed to foster competence in playing proficiency, note reading, ensemble performance skills, and musical understanding and is aligned with the Virginia State Music SOLs.

Percussion/Ensemble (9250)

The Instrumental Music Instructional Program is committed to ensuring that all students have an opportunity to develop the knowledge and skills needed for success playing as a soloist and in large ensembles.

The Instrumental Music Program is a sequential and continual program of study. Students generally begin instruction in middle school, but may begin in high school after the student and parents have met with the band director to develop a specialized path of learning an instrument. High school students enrolled in band class are required to participate in the marching and concert band components of the instrumental class and earn a credit for the year.

The Percussion Class/ Band Ensemble Class is specifically designed to meet the instrumental curriculum aligned with the Virginia Music SOLs. The Percussion/Ensemble class meets the specific needs that are associated with the percussion family of instruments. Students enrolled in the percussion class are full participants in the band program. Students in the Ensemble portion of the class must have permission from the band director to enroll in that class.

Band Guard (9296)

The Color Guard Class is specifically designed to meet the special needs that are associated with the artistic skill sets required by the visual ensemble component of the overall instrumental program; especially during marching band. Students in color guard class are expected to attempt learning an instrument as a mean of expanding their skill sets, therefore helping them acquire addition marketable skills in the music industry. Enrollment in the class is by audition only. The auditions are held during March and/or April.

Music Theory I (9222)

In this course we will fundamentally break down music into its simplest, most basic forms. With each basic component of music, we will study it in written, aural, and audiated forms. Basic components will then be combined / supplemented to study progressively more advanced topics within music theory. You will be asked to listen, read, write, sing, correct errors, create exercises, review a music performance, and peer teach topics as part of this course. While we start at the very beginning as if students have zero musical knowledge, this course is very fast paced, and is often difficult for students without some sort of a musical background. That being said, some of my best students have been non-musicians, but have had to put forth a great deal of time and effort into daily study. This is not an acceptable course for students who are in need of a general music elective course, and do not want / have ample time to study daily.

Music Theory II (9225)

Music Theory is a block class course offered to students with substantial musical backgrounds (either formal, notation-based training, or significant amounts of self-taught or "by ear" knowledge) who wish to become more familiar with musical structure, language, and notation; and/or to advance personal musicianship and prepare for college. The course includes: introduction/review in the fundamentals and materials of music (notation, rhythm, melody, harmony, form, and texture); substantial amounts of ear training, arranging and composition; harmonic and formal analysis of both classical

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and pop/ jazz works; and ample opportunities for students to explore music of their own choosing.

BUSINESS DEPARTMENT

Accounting (6320)

Students study the basic accounting principles, concepts, and practices which are universally accepted. This course not only gives students a fundamental practice of double-entry accounting, it also gives them an opportunity to experience the basic framework of a sole proprietorship and a corporation. Students also prepare financial statements, payroll records, personal income tax forms, checks, bank reconciliation statements, and learn how to analyze a business's income or loss. Students take the NOCTI Accounting Basic exam at the conclusion of this course.

Advanced Accounting (6321)

Accounting II uses an automated accounting approach to incorporate skills and principles from Accounting I. It provides a hands-on approach to learning how modern computerized accounting systems function by using popular industry-based software such as QuickBooks. Students will also integrate accounting skills with other business applications such as spreadsheets and word processors and relate them to careers and employment in the accounting field.

Prerequisite: Accounting I

Information Technology Fundamentals (6670)

Information Technology (IT) Fundamentals is an introductory class that introduces students to basic computer information. Students must take Information Technology before taking the advanced computer classes. Students will produce simple business documents using Microsoft Office software. Basic internet skills, computer concepts, and Workplace Readiness will also be covered. Information Technology introduces the essential skills needed for students to pursue specialized programs leading to technical and professional careers and certifications in the IT industry.

Economics and Personal Finance (6120)

Economics and Personal Finance prepares students for the major life decisions awaiting them beyond the doors of John Battle High School such as buying cars, renting apartments, and investing in stocks and bonds. Furthermore, the class allows students to begin preparation now for personal finance in areas such as savings, tax preparation for summer jobs, and maintaining checkbooks and checking accounts. Basic economic concepts such as supply and demand are covered as well. Simulations such as home buying activities and car shopping, along with internet games, present the EPF concepts in a tangible way to students.

***This class is a required class for all students graduating in 2015 and later.*

AGRICULTURE DEPARTMENT

Foundations of Agriculture, Food, and Natural Resources (8006)

Grades: 9-10

This course is designed to develop competencies in each of the career pathways as they pertain to agricultural education, including the areas of Virginia's agriculture industry; the global scope of agriculture; scientific research of opportunities; agricultural skills and safety in power, structural, and technical systems; and natural resources and environmental systems.

Introduction to Animal Systems (8008)

Grades: 9-10

Students develop competencies in each of the major areas of the Animal Systems career pathway including animal nutrition, reproduction, breeding, care, and management. Students learn agricultural mechanics applicable to animal systems. Students will be exposed to principles of leadership and opportunities of the FFA.

Agricultural Production Technology (8010)

Grades: 10-11

This course emphasizes one or more areas of plant science, animal science, soil science, agricultural business management, and agricultural mechanization, based upon the student's employment objective. The following livestock enterprises will be studied: beef cattle, dairy cattle, swine, horses, and sheep.

Equine Management and Production (8080)

Grades: 9-12

Equine management is a class that explores the basic needs and care of the horse, anatomy, first aid, nutrition, reproduction, breeding, genetics, and many more hands on topics involved with the horse. The class will travel to farms with horses a couple of times a semester in order to learn hands on how to properly groom, tack, train and handle horses.

HORTICULTURE DEPARTMENT

Horticulture Science I (8034)

Grades: 9-10

Students develop the necessary knowledge, skills and attitudes for entry-level employment and advancement in areas such as floriculture, landscape design, greenhouse operation, and nursery plant production. Students receive instruction in using soil and other plant growing media, identifying propagation methods, and growing plants in the school greenhouse. Leadership development activities are included and participation in FFA activities is encouraged.

Greenhouse Plant Production and Management (8035)

Grades: 9-12

Students enrolled in this course learn the operating procedures for a greenhouse. Units of instruction include developing plant production facilities, science application in plant production, and identification of plants. Business management and marketing skills are emphasized to prepare students for careers in the greenhouse plant production and management industry. Leadership development is offered through participation in FFA.

Landscaping (8036)

Grades: 10-12

Students develop the necessary knowledge, skills, habits and attitudes for entry-level employment and advancement in areas such as landscape design, landscape construction and landscape maintenance. They receive instruction in sketching and drawing, analyzing a landscape site, designing for function and aesthetics, identifying and selecting landscape plants, purchasing and installing plants, and maintaining the landscape by watering, fertilizing, mulching, pruning and controlling pests. Leadership development is offered through participation in FFA.

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Floriculture (8038)

Grades: 10-12

Students will learn the basics of the horticulture plant production industry. Instruction includes plant production as well as marketing and business management. Plant material identification and floral design round out this course to prepare the student for an entry-level position in the floriculture industry. Participation in FFA activities provides leadership development opportunities.

SPECIAL EDUCATION DEPARTMENT

Study Skills (0130)

Students in study skills class work one-on-one with a special education teacher to increase test preparation skills in all subjects. Students receive tutoring, homework help, and SOL remediation. Lessons are prepared for individual students needing assistance with basic life skills such as counting money, making change, working on a budget, completing a job application and writing a resume, etc.

Prerequisite: Individualized Education Plan through Special Services Department.