

## TWELFTH GRADE

### BIBLE

This course uses the Scriptures to reprove, rebuke, and exhort. Each class is filled with biblical principles and applications designed to introduce the students to the Savior and help them nurture a deeper relationship with Him. Class themes are handled both thematically and textually.

### ENGLISH

In this course, students study vocabulary, spelling, grammar, writing, and literature. Vocabulary and spelling increase the students' word knowledge so that their writing and speaking can be more effective. Grammar is reviewed and then applied to their writing as well. British literature is the main focus of senior English. Beginning with the earliest known works by British authors, each time period is studied in its historical context. Some of the more important works studied include *Beowulf*, *Everyman*, *The Canterbury Tales*, *Macbeth*, *The Pilgrim's Progress*, *Paradise Lost*, and *The Rhyme of the Ancient Mariner*. The importance of the English Reformation is stressed while reading from *Foxe's Book of Martyrs*. The seniors complete the year with a Research Paper. Traditional cumulative testing, quizzes, homework, writing assignments, and performances are used to reinforce the material and assess the students' learning.

### ENGLISH HONORS

English 12 Honors students study vocabulary, spelling, grammar, writing, and literature. Spelling and vocabulary increase the students' word knowledge so that their writing and speaking can be more effective. Honors students learn vocabulary words with antonyms and synonyms and more spelling words. Grammar is quickly reviewed and then applied to their writing as well. British literature is the main focus of senior English. Beginning with the earliest known works by British authors, each time period is studied in its historical context. Some of the more important works studied include *Beowulf*, *Everyman*, *The Canterbury Tales*, *Macbeth*, *The Pilgrim's Progress*, *Paradise Lost*, and *The Rhyme of the Ancient Mariner*. The importance of the English Reformation is stressed while reading from *Foxe's Book of Martyrs*. Honors students write several papers on different stories, books, and characters. Seniors complete the year with a Research Paper. Traditional cumulative testing, quizzes, homework, writing assignments, and performances are used to reinforce the material and assess the students' learning.

### ENGLISH LANGUAGE ADVANCED PLACEMENT

AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students write in both informal and formal contexts to gain authority and learn to take risks in writing. Imitation exercises, journal keeping, collaborative writing and in-class responses help students become increasingly aware of themselves as writers and of the techniques employed by the writers they read. Students become acquainted with a wide variety of prose styles from many disciplines and historical periods and gain understanding of the connections between writing and interpretive skill in reading. This course assumes that students already understand and use standard English grammar; however, writing conventions are reinforced by emphasizing the following:

- vocabulary used appropriately and effectively;
- a variety of sentence structures;
- logical organization;
- a balance detail; and
- an effective use of rhetoric. *-taken from course description at [apcentral.collegeboard.com](http://apcentral.collegeboard.com)*

## **ENGLISH LITERATURE ADVANCED PLACEMENT**

This course is being offered as an advanced option for English 11 and English 12. Advanced Placement English Literature and Composition will emphasize three areas: close reading (reinforced by close reading questions), discussion skills, and written responses to literature. The literature studied in this class includes British literature from the earliest inhabitants to modern authors and American literature from the 1600s to present day. The most important requirement for this class is that students read every assignment thoroughly and for understanding. This class will require more reading than any other course required. Short stories and excerpts will be assigned on an almost daily basis. Poetry will need to be read at least twice in order to digest all of the dense meaning of each work. Novels will require planning in order to complete on time. This course requires writing to understand, writing to explain, and writing to evaluate. Students will work to develop an effective vocabulary; a variety of sentence structures, including appropriate use of subordination and coordination; logical organization; and appropriate emphasis through diction and sentence structure.

## **GOVERNMENT**

This course provides a detailed history of American government from the colonial period to the present day. It includes a comprehensive study of the Constitution and our current system of government with special focus on the structure and duties of the 3 branches of American government. The course also includes discussions of current events in American politics and how legal and political decisions affect American culture.

## **ELECTIVES:**

### **ANATOMY/MICROBIOLOGY HONORS**

The anatomy course is designed to provide the student with an in-depth study of the systems of the human body and the processes involved in these systems. The topics studied include microbiology, chemistry, cells and cellular processes and the system of the human body. Students do additional studies on selected items such as bacteria and viruses and diseases associated with the various systems of the human body. Laboratory exercises, videos and dissections help reinforce what has been taught.

### **ART**

This course is an introduction to nineteen mediums of art. Grades and credit are received for this class. This class is offered to 7th-12th students who have art experience and/or are interested in developing their skills in different areas of art. The course consists of art instruction, individual assignments, art projects, and preparation for competition. Students will participate in art exhibits, art competitions, and the opportunity to compete in the IACS JH/SH Fine Arts Tournaments. The senior high winners from this competition will go to the national competition in South Carolina. The course is designed to help the student learn from a Christian view point why God created art and how it can be used in different career fields and everyday life.

### **BAND**

This course is offered to those students who have at least two year's experience and instruction on their instrument. The students will need to purchase or rent their instrument. This course is designed to help students further develop their musical talent for God's glory.

### **CALCULUS ADVANCED PLACEMENT AB**

This course expounds upon previous algebraic and geometric concepts. The course Trig/Pre-calculus is required as prerequisite. The students will incorporate technology as the student learns how to utilize the many functions of a graphing calculator. Students will be expected to reason according to strategies that involve solving numerically, graphically, and analytically. Topics include a review of real numbers, graphing

concepts from a coordinate plane, trigonometric functions, identities, the unit circle, and imaginary numbers. The students will learn the different models a graph can use, as well as statistical regression. The main focus of the course will be evaluating limits (graphically and numerically), continuity, one-sided and infinite limits, differentiation, Chain rule, rates of change, higher-ordered derivatives, implicit differentiation, extreme, concavity, integration, Fundamental Theorem of Calculus, and differential equations. Students will also learn about the derivative/integral of transcendental functions. In conclusion, the students will be prepared for taking the AP test in Calculus (AB) by the end of year.

## **CHEMISTRY**

The course in chemistry is designed to give the student an understanding of the concepts in a basic chemistry course with the mathematical laws that apply to these concepts. The course covers the following areas: states of matter, the atom, writing and balancing formulas, recognizing and balancing chemical equations after predicting the products, the mole concept, acids and bases, organic chemistry, and nuclear chemistry. Labs and demonstrations reinforce the concepts taught.

## **CHEMISTRY HONORS**

This course in chemistry is designed to give the student an understanding of a basic chemistry course with a deeper study of concepts in a number of areas. The course covers the areas of: states of matter, the atom, writing and balancing formulas, recognizing and balancing chemical equations with a further study of stoichiometry, and oxidation-reduction, the mole concept and Avogadro's number, acids and bases and pH, organic chemistry, colligative properties, chemical equilibrium and nuclear chemistry. Labs and demonstrations reinforce the concepts taught.

## **CHOIR**

Choir is an auditioned-elective course that meets daily for our high school students. Our choral program is designed to educate and train students in the development of their voices. They also learn the joy of singing in a larger group. The SCS choral program seeks to train proper vocal techniques and to expose the students to a wide variety of excellent sacred, secular, and art song repertoire in the choral field of music. Our choirs perform throughout the community as well as in concerts on the SCS campus. Every year they participate in both regional and national competitions. Our Senior High choir also has the opportunity to go on an annual choir tour to various venues and churches in the Midwest in late May and early June.

## **INTRODUCTION TO COMPUTER PROGRAMMING**

This course introduces students to fundamental concepts of computer programming through lessons in Object-Oriented Programming (OOP) Languages such as Java, C++, and Python. It covers basic syntax, objects and classes, datatypes, variable types, modifier types, operators, statements, arrays, regular expressions, methods, files and I/O, exceptions. Basic Object-oriented concepts such as Inheritance, Polymorphism, Abstraction, and Encapsulation are introduced and discussed in detailed. Advanced topics such as Data Structures, Collections, Multi-threading and others are not included in this course.

## **EDUCATION LAB**

Ed Lab I and II is a course designed to give 11<sup>th</sup> and 12<sup>th</sup> grade students, who may be considering the teaching profession, the hands-on exposure and experience in a classroom setting; and to give them the opportunity to work along-side a qualified classroom teacher. The students will be engaged in various class lectures and projects, such as: ages and stages of child development, types of learning styles, teaching styles, classroom management and discipline, materials and methods (lesson plans, bulletin boards, teacher's

resource file, etc.), introduction to Christian Education philosophy, American history of education, resources available for teachers, current issues in teaching, pros and cons of teaching, and special needs students.

## **FAMILY SCIENCE**

This course is designed to help the student understand her roles as a teen and her future roles as a woman. Foods will cover basic food preparation and nutrition. Cooking labs and a sandwich contest will be highlights in the cooking experience. Family living will entail studying the family throughout the life cycle. One of the fun projects will be planning a bridal or wedding shower. Clothing will teach basic skills and equipment as the student uses a sewing machine to sew a garment with teacher guidance. Interior design will introduce basic techniques which the student will use to design a floor plan for a dream bedroom.

## **FOREIGN LANGUAGE**

Over 20 different foreign languages are offered for high school credit using the Rosetta Stone software in a lab environment. Since this is a web-based curriculum, courses may also be taken outside of school hours. The following languages are offered:

Arabic (Level I, II, or III)	Hebrew (Level I, II, or III)	Polish (Level I, II, or III)
Chinese (Mandarin) (Level I, II, or III)	Hindi (Level I, II, or III)	Portuguese (Brazil) (Level I, II, or III)
Dutch (Level I, II, or III)	Irish (Level I, II, or III)	Russian (Level I, II, or III)
English (American) (Level I, II, III, IV, or V)	Italian (Level I, II, III, IV, or V)	Spanish (Latin American) (Level I, II, III, IV or V)
Filipino (Tagalog) (Level I, II, or III)	Japanese (Level I, II, or III)	Swedish (Level I, II, or III)
French (Level I, II, III, IV or V)	Korean (Level I, II, or III)	Turkish (Level I, II, or III)
German (Level I, II, III, IV or V)	Latin (Level I, II, or III)	Vietnamese (Level I, II, or III)
Greek (Level I, II, or III)	Persian (Farsi) (Level I, II, or III)	

## **PHYSICS ADVANCED PLACEMENT**

The AP Physics 1 course includes topics in both classical and modern physics. A strong knowledge of algebra 1 & 2 and trigonometry is required for the course.

AP Physics 1 will cover the following content areas: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics and atomic physics. Hands-on labs are a part of the course with some labs being student-designed.

## **SPEECH/DRAMA**

The speech and drama class is divided into four categories. The first two quarters cover an introduction to theatre history and playwriting. The last two semesters cover acting, directing, and public speaking.

Throughout the year, the students will have the opportunity to:

1. read the classic plays that changed American theatre
2. write their own short plays
3. learn general principles of acting that apply to Shakespeare as well as modern literature
4. create a director's notebook
5. present public speeches on a variety of topics

Lastly, speech students are given the opportunity to compete in the IACS Senior High Fine Arts Competition. Winners from this competition go the national competition in South Carolina.

## **STRING ENSEMBLE**

This course is available to 7<sup>th</sup> to 12<sup>th</sup> grade string instrumentalists who are at an intermediate to early advanced level. This course exposes students to a variety of classical string literature and gives students the opportunity to develop ensemble skills. String Ensemble performs in one concert each semester.

## **TRIGONOMETRY-PRE CALCULUS**

Trigonometry & Pre-Calculus expounds upon previous algebraic and geometric concepts. This course will prepare the students for high school or college calculus. Students will be expected to reason according to strategies that involve solving numerically, graphically, and analytically. Students will learn to develop their logical reasoning/critical thinking/problem solving skills that is needed for success on college entrance exams and/or placement. Topics include linear functions and their graphs, polynomial/rational functions, exponential and logarithmic functions, analytic trigonometry, system of equations and inequalities, matrices, sequences and series, probability, and analytic geometry.

## **TYPING I**

Typing I uses Keyboard Mastery an intensive course that will teach beginners how to type and teach experienced typists to type faster. Covered are: alphabetic keys, punctuation, numbers and symbols. Timing drills include 15-second, 30-second, 1-minute, 2-minute, 3-minute, and Optional Timings of 3-minute, 4-minute, and 5-minute. Course contains over 560 timed drills. Skillbuilding Mastery Timing drills include 15-second, 30-second, 1- to 5-minute timings, with emphasis on longer timings. Prerequisite: 32-35+ WPM by touch (without looking at keys).

## **TYPING II**

Typing II uses Keyboard Mastery an intensive course that will teach beginners how to type and teach experienced typists to type faster. Covered are: alphabetic keys, punctuation, numbers and symbols. Timing drills include 15-second, 30-second, 1-minute, 2-minute, 3-minute, and Optional Timings of 3-minute, 4-minute, and 5-minute. Course contains over 560 timed drills. Skillbuilding Mastery Timing drills include 15-second, 30-second, 1- to 5-minute timings, with emphasis on longer timings. Prerequisite: Typing I and 40+ WPM by touch (without looking at keys).

## **YEARBOOK**

This course will enable the students to gain skills in the areas of design, advanced publishing techniques, copy writing, journalism, editing and photography while producing a creative, innovative yearbook which records school memories and events. Students gain useful, real world skills in time management, marketing, teamwork, and design principles.

The yearbook staff will be given challenging real world projects and assignments typical of the graphic design and publishing industries. Classroom activities will include reading, research, projects, and problem solving. Students will work in teams, and will be expected to complete individual assignments in relation to the team's work.

Students will learn publishing industry terminology, become familiar with Design software, and will work with various types of technology such as digital camera, computer, and scanner. Students will apply computer skills and design principles to the production of yearbook pages and will learn copy writing techniques.