

TWELFTH GRADE – SCHAUMBURG CHRISTIAN SCHOOL

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 COMP. I & II (DUAL CREDIT)

Composition I (HUEN 121) is a 100 level dual-credit comprehensive writing course offered through Maranatha. This class teaches students the skills of organization and critical thinking while employing appropriate grammar and usage in rhetoric. Upon completion of Composition I, students will compose both a compare/contrast paper and a research paper using scholarly sources and higher-level thinking. Participants in Composition courses must demonstrate that they have sufficiently mastered the writing and research skills taught in those courses. The course concludes with a required comprehensive exam. Students who pass this course with a C- or higher are eligible to continue on to Composition II. (Three credit hours)

Course Objectives:

- To write correct and effective sentences, paragraphs, and essays;
- To proofread and edit their own and some of their peers' writing
- To appreciate the importance of correct, effective English in Christian service.
- To effectively use APA formatting in the construction of proper academic support proving the thesis

Composition II (HUEN 122) (also a 100 level course) builds upon the foundations cultivated in Composition I. Enrollment in this course has a prerequisite of passing Composition I. Composition II offers further instruction in composition with an emphasis on research skills and writing a critical, thesis directed research paper. Preparation includes a review of sentence building, editing, and practice in writing a research paper. Additionally, Composition II will offer a survey course in American literature and British literature. Students can expect weekly readings of excerpts from classic works with regular assessments over comprehension. Additionally, the literature portion will cover several iconic novels with directed study. This course also concludes with a comprehensive exam reflecting the fundamental approaches to expository writing and research. (3 credit hours.)

Course Objectives:

- To gain proficiency in sentence-building and the use of standard English;
- To research, write, and revise a college-level Review of Sources
- To use the writing process to research, write, and revise a college-level research paper
- To utilize the writing process to research, write, and revise a civic discourse
- To critically evaluate the merit of ideas, values, and/or artistic expression through the major writing assignments of the course.
- To effectively use MLA formatting in the construction of proper academic support proving the thesis
- To expand reading comprehension in a variety of literary genres and time periods
- To foster an understanding and appreciation for classical American and British literature

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.

GOVERNMENT (HONORS)

Government is a senior-level class. We will study the different forms of government, how our government was formed, and our founding document - The Constitution. We will then look at the three branches of government at the federal, state, and local levels and discover how we can participate in our government. Honors students will have advanced reading, writing, and analysis work to do including analyzing political cartoons and articles.

ELECTIVES:

ALGEBRA II

Algebra 2 covers topics such as solving equations and inequalities, graphing linear equations/inequalities, system of equation/inequalities, introduction to matrices & determinants, polynomials, rational expressions, irrational/complex numbers, functions, conics, exponential and logarithmic functions, sequences and series, statistics, and analytical trigonometry. Applications to real life abound as students learn how to incorporate the use of graphing (or scientific) calculators to aid instruction. Students will learn to develop their logical reasoning/critical thinking/problem solving skills.

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 viewpoint why God created art and how it can be used in different career fields and everyday life.

BAND

Senior High Band: SCHOOL GRADE: 9-12

PLAYING YEARS: 6-9

Students who perform in Senior High Band should have built upon the previous skill levels of Beginning, Elementary, and Junior High Band.

PERFORMANCE AND PRODUCTION: The student will demonstrate proper posture, embouchure, hand position, and playing position. The student will produce characteristic tone that is clear, free of tension, sustained, and unwavering in pitch. The student will adjust intonation and match pitches independently. The student will incorporate tempo changes and a variety of rhythms and meters while performing materials being studied. The student will perform all articulations indicated in materials being studied. The student will perform all major and minor scales, ascending and descending. The student will perform a chromatic scale, ascending and descending. The student will use dynamic contrast and technical skills as means of expression. The student will demonstrate musical phrasing through the use of dynamic emphasis and tempo modification. The student will demonstrate ensemble skills. The student will demonstrate increased learning through a variety of music activities. Participate in activities such as concerts, performances, and state competitions. The student will demonstrate concert etiquette as a performer and listener.

CALCULUS AB (ADVANCED PLACEMENT)

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 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, and chemical equilibrium. Labs and demonstrations reinforce the concepts taught. To be eligible for this honors course, students must have earned at least a "B" in their previous science course.

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.

COMPUTER SCIENCE PRINCIPLES (ADVANCED PLACEMENT)

This course uses the visual programming language MIT App Inventor to build mobile applications while learning the principles of computer science. Students will learn the principles of abstraction, data, algorithms, programming, and the Internet in a project-based curriculum that seeks to connect students' creativity to their communities and the world.

EDUCATION LAB

Ed Lab I and II is a course designed to give 11th and 12th 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.

BRITISH LITERATURE I and II (DUAL CREDIT)

British Literature Survey to 1789 (HUEN 233)

British Literature 1 is an elective dual-credit course offered through Maranatha. This course is a survey of the major works of British prose and poetry from the Old English period through the Neoclassical period.

This Maranatha course offers a comprehensive study of the British works written from the Middle Ages, Sixteenth Century and Eighteenth Century. Student will be exposed to a variety of pieces from these periods and compose a Literary Analysis Paper on a novel or epic published within this time frame. Seniors who have completed both Composition 1, 2 can enroll in this course first semester. Prerequisites: HUE 121 and 122. (3 credit hours).

(The US Department of Education has determined that the amount of student work for a credit hour reasonably approximates not less than one hour of class and two hours of out-of-class student work per week over a semester for a semester hour, thus a three-hour course meets three hours and students should expect to spend six hours outside of class each week.)

Course Objectives:

- To read, reflect on, and informally discuss works of British literature through the Neoclassical Period.
- To identify major British writers through the Neoclassical Period, the periods of English literature up to 1789, the significant works during those periods, and the major themes of those works.
- To articulate a critical assertion about a work of early English literature written before 1789, and support that assertion with scholarly research and with the text itself.
- To recognize, summarize, evaluate, and use scholarly critical sources.

British Literature Survey 1789 to PRESENT (HUEN 234)

A survey of the major works of British prose and poetry from the Old English period through the Neoclassical period. This Maranatha course offers a comprehensive study of the British works written from the Romantic Era, Victorian Era and Modern Period. Students will be exposed to a variety of pieces from these periods and compose a Literary Analysis Paper on a novel published within this time frame. Seniors who have completed both Composition 1,2 and British Literature can enroll in this course second semester. Prerequisites: HUE 121 and 122. (3 credit hours).

Course Objectives:

- To read, reflect on, and informally discuss works of British literature through the Neoclassical Period.
- To identify major British writers through the Neoclassical Period, the periods of English literature up to 1789, the significant works during those periods, and the major themes of those works.
- To articulate a critical assertion about a work of early English literature written before 1789, and support that assertion with scholarly research and with the text itself.
- To recognize, summarize, evaluate, and use scholarly critical sources.

American Masterpieces (HUEN 232)

A survey of the major works of American prose and poetry from early American literature to the present.

Prerequisites: HUEN 121 and 122. (3 credit hours) Students will complete assigned readings over selected works and take weekly quizzes and tests along with participating in class discussions concerning the works. The semester will

American Masterpieces (HUEN 232) (Continued)

conclude with each student constructing a thematic literary analysis paper based on the student's independent reading and research. A comprehensive exam is also required to obtain credit for the course.

(The US Department of Education has determined that the amount of student work for a credit hour reasonably approximates not less than one hour of class and two hours of out-of-class student work per week over a semester for a semester hour, thus a three- hour course meets three hours and students should expect to spend six hours outside of class each week.)

Course Objectives:

- Differentiate between truth and error in literature using biblical standards.
- Recall some of America's best writers, the periods during which they wrote, and some of their works.
- Distinguish between the various genres of literature.
- Distinguish between the historical periods of literature.
- Explain how history shaped literature and how literature was shaped by history.
- Analyze and to write logically about literature.

**Course descriptions and objectives taken from Maranatha's British Literature Instructor Syllabi*

FAMILY SCIENCE

This course is designed to help the student understand their role as a teen and future roles as an adult. 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 that 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)	

FORENSICS (HONORS)

Forensics is the application of science to criminal activity for the purpose of discovery. This honors course is about how, why, and where to examine evidence in order to get the most pertinent information from a crime scene. The main part of the course details many of the more popular topics in forensic chemistry: glass, soil, fingerprints, hair, fiber, firearms, ammunition, chemical analysis, drugs, autopsies, and DNA typing. Students will learn and practice how each type of evidence is discovered and processed. To be eligible for this honors course, students must have earned at least a "B" in their previous science course. Space is limited.

HANDBELL CHOIR

Senior High Handbells is an auditioned-elective course that meets twice a week. Students in grades 9-12 may audition for a place in the 14-member group. Students will review the fundamentals of handbell ringing through proper bell technique, rhythm and note-reading while playing on 5 octaves of Schulmerich handbells as well as 3 octaves of handchimes. Our Sr. High Handbell Choir participates in a local and national fine arts competition every spring and performs advanced sacred and secular repertoire on campus at different concerts throughout the school year.

PHYSICS (HONORS)

This physics course is designed to provide the student with a more in-depth understanding of this branch of science that deals with matter, motion, and energy. Topics that will be explored and defined are: motion in one dimension, motion in 2D, circular motion, work & energy, linear momentum, rotational motion, static equilibrium, vibration/waves, sound, and electricity & circuits. Labs and demonstrations will assist with reinforcing the lessons taught. A typical lab would be building a functional LEGO model of the type of motion currently being studied. Students will be challenged to apply their knowledge and problem-solving abilities with regular homework collaboration where they will brainstorm and help one another, working in partnership like a real life engineering team. To be eligible for this honors course, students must have successfully completed Physical Science by earning a "B" and should have successfully completed or be currently enrolled in Algebra II.

SPANISH I

This yearlong course introduces the learner to basic and intermediate Spanish grammar. Basic and intermediate communication skills in both oral and written Spanish (listening, speaking, reading, and writing) is developed in this course. The learner will be exposed to various cultures of the Spanish-speaking world, including the Hispanic and Latin communities in the US, while developing intercultural knowledge and understanding. Basic Bible truths as well as scripture in Spanish is introduced for the glory of God. JH Spanish I and II is beneficial but not required to take this course.

SPANISH II

This yearlong course is a continuation of SH Spanish 1. Students will continue to learn proper grammar and develop basic communication skills in both oral and written Spanish (listening, speaking, reading, and writing). The learner will continue to be exposed to various cultures of the Spanish-speaking world as well as basic Bible truths and scripture in Spanish for the glory of God. SH Spanish I or the equivalent is required to take this course.

STRING ENSEMBLE

This course is available to 7th to 12th 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. Students who complete this course will have the foundation paved 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 are 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, systems of equations and inequalities, matrices, sequences and series, probability, analytic geometry, and an introduction to Calculus.

TRIGONOMETRY-PRE CALCULUS (HONORS)

Trigonometry/Pre-Calculus expounds upon previous algebraic and geometric concepts. Students who complete this course will be adequately prepared 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 are 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, systems of equations and inequalities, matrices, sequences and series, probability, analytic geometry, and an introduction to Calculus. The Honors Program includes a special emphasis throughout the year in regards to applying measurable sufficient data and modeling that data into the context of real world situations (using Texas Instruments Graphing Calculators).

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. Skill building 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. Skill building 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 that 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.