

## TENTH GRADE – SCHAUMBURG CHRISTIAN SCHOOL

### ALGEBRA II HONORS

Topics covered in this course include solving equations and inequalities, graphing linear equations/inequalities, system of equation/inequalities, 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 that are needed for success on college entrance exams and/or placement.

### 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. Tenth grade curriculum focuses on themes from the Old Testament and handles them both thematically and textually.

### ENGLISH

English 10 students study literature, grammar, writing, vocabulary and Greek roots. This class implements a cross-cultural approach, so the students are applying each area of English into the other divisions. They learn to incorporate the vocabulary and spelling words learned into their vernacular speech. The etymology study allows students to break down words and relate them to modern context. It also increases their understanding of language evolution. In writing, the students articulate their thoughts through a variety of writing styles- ranging from analytical to creative, while continuing to integrate their vocabulary words. This class employs a fair balance between the creative writing and informational writing. The Visual Literacy Project allows each student to translate a classical painting into a novella, using creative writing. The Book Report encourages extracurricular reading for comprehension and theme. The sophomore class focuses on the marks, modes and forms of literature. Along with a sampling of cultural selections, the students specifically cover Shakespeare's tragedy, *Romeo and Juliet*. Through an exposure to classical literature, the students analyze the effects of history upon literature and the stylistic and structural changes of literary works. The grammar lessons cover a detailed study of the parts of speech and grammar's place in daily writing and speaking. Weekly quizzes in vocabulary and spelling are given, along with quarterly tests and projects. A cumulative exam is administered at the end of each semester.

### ENGLISH HONORS

English 10 Honors students study literature, grammar, writing, vocabulary, and Latin and Greek roots. This class implements a cross-cultural approach, so the students are applying each area of English into the other divisions. They learn to incorporate the vocabulary and spelling words learned into their vernacular speech. The etymology study allows students to break down words and relate them to modern context. It also increases their understanding of language evolution. In writing, the students articulate their thoughts through a variety of writing styles- ranging from analytical to creative, while continuing to integrate their vocabulary words. The honors class compiles a portfolio of responses to their reading, analytical essays, mind maps, and their original poetry. This class employs a fair balance between the creative writing and informational writing. The sophomore class focuses on the marks, modes and forms of literature. Along with a sampling of cultural selections, the students specifically cover Shakespeare's tragedy, *Romeo and Juliet*, *The Seven Habits of Highly Effective Teens*, and *The Count of Monte Cristo*. Through an exposure to classical literature, the students analyze the effects of history upon literature and the stylistic and structural changes of literary works.

## **ENGLISH HONORS (Continued)**

The grammar lessons cover a detailed study of the parts of speech and grammar's place in daily writing and speaking. Weekly quizzes in vocabulary and spelling are given, along with quarterly tests and projects. A cumulative exam is administered at the end of each semester. Honors students are given periodic research assignments as well as extra spelling words and analytical essays on each test.

## **GEOMETRY**

This course is designed to discover and explore the many theorems and postulates (along with corollaries) attributed to Euclidean Geometry. Previous instruction concerning angles and relationships are expounded upon, as applications to real life are discussed. There is an extra emphasis on inductive/deductive reasoning, and logical reasoning in the form of proofs (2 columns and indirect). Students are able to construct various shapes with a compass and a straight edge. Other topics include points, lines, segments, rays, angles, planes, congruency, parallel, perpendicular, properties, logical statements, polygons, medians, altitudes, bisectors, triangle inequalities, quadrilaterals, similarity, right triangles, trigonometry, circles, secants, tangents, area, volume, and introductions to coordinate and transformational geometry.

## **HEALTH EDUCATION**

Health Education is a required course for graduation. This course introduces students to what good health is, why good health is important, and what students should do in order to achieve good health. Aspects of physical, mental, emotional, and environmental health are discussed. The course identifies the components of a healthy lifestyle and encourages each student to set reasonable goals to achieve a healthy lifestyle.

## **PHYSICAL EDUCATION**

Physical Education is an activity-based course that provides students with instruction and opportunities to develop skills in various sports and activities that promote physical fitness. Students receive instruction and opportunities to play various sports including, but not limited to basketball, badminton, floor hockey, volleyball, soccer, softball, team handball, and flag football. Students participate in games and tournaments to teach sportsmanship, teamwork, and sport appreciation.

## **PHYSICAL SCIENCE**

Physical science is a course designed to study the basics of chemistry and physics. The topics studied in the area of chemistry include the following: the scientific method, metric system, states of matter, the atom and periodic table, chemical bonding and reactions, and acids and bases. The concepts covered in the area of physics are Newton's laws of motion, energy and its forms, work and simple machines, thermal energy and heat transfer, electricity, magnetism, sound, the electromagnetic spectrum and light. Class demonstrations and labs reinforce the sections taught.

## **PHYSICAL SCIENCE HONORS**

The course is designed to study the areas of chemistry and physics in more detail than found in a regular physical science course. The topics studied in the area of chemistry includes: the scientific method, metric system, states of matter, the atom, the periodic table, chemical bonding and reactions, and acids and bases. In the area of physics, the topics studied are speed and acceleration, Newton's laws of motion, energy and its forms, work and simple machines, thermal energy and heat transfer methods, electricity, magnetism, sound, the electromagnetic spectrum and light. Selected topics for a deeper study in the areas taught, classroom demonstrations and laboratory exercises add to the depth of the course and reinforce what is taught.

## **UNITED STATES HISTORY**

This course provides a chronological overview of United States history with special focus on the religious and cultural influences that shaped America. The course will trace America's development from a colonial empire to developing nation, through the Civil War and Reconstruction to our involvement in both World Wars, and to America's emergence as a superpower and continued influence on the world today.

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## **UNITED STATES HISTORY ADVANCED PLACEMENT**

This course provides a chronological overview of United States history with special focus on the religious and cultural influences that shaped America. The course will trace America's development from a colonial empire to developing nation, through the Civil War and Reconstruction to our involvement in both World Wars, and to America's emergence as a superpower and continued influence on the world today. Special attention and emphasis will be given to the core requirements for successful completion of the Advanced Placement test for U.S. History.

## **WORLD HISTORY**

This course provides a systematic overview of major world civilizations from the earliest human records to the present-day. The course focuses on major events that have impacted different people groups as well as the key figures involved in their development. The course is reinforced with geographic studies to facilitate an understanding of how geography has impacted the development of certain civilizations.

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## **ELECTIVES:**

### **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.

### **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.

### **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)

Chinese (Mandarin) (Level I, II, or III)

Dutch (Level I, II, or III)

English (American) (Level I, II, III, IV, or V)

Filipino (Tagalog) (Level I, II, or III)

French (Level I, II, III, IV or V)

German (Level I, II, III, IV or V)

Greek (Level I, II, or III)

Hebrew (Level I, II, or III)

Hindi (Level I, II, or III)

Irish (Level I, II, or III)

Italian (Level I, II, III, IV, or V)

Japanese (Level I, II, or III)

Korean (Level I, II, or III)

Latin (Level I, II, or III)

Persian (Farsi) (Level I, II, or III)

Polish (Level I, II, or III)

Portuguese (Brazil) (Level I, II, or III)

Russian (Level I, II, or III)

Spanish (Latin American) (Level I, II, III, IV or V)

Swedish (Level I, II, or III)

Turkish (Level I, II, or III)

Vietnamese (Level I, II, or III)

## **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.

## **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 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.

## **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).