

NINTH GRADE – SCHAUMBURG CHRISTIAN SCHOOL

ALGEBRA I

This course presents the principles of algebra, plane geometry, and beginning trigonometry. Concepts such as solving equations and inequalities (integer or rational), polynomials, factoring, ratios (proportions and percents), graphing, systems of equations, simplifying expressions, square roots, quadratic equations, and statistics are discussed. Technology applications and applications to everyday situations are integrated through the curriculum.

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.

BIOLOGY

Biology is a course designed to study the realm of living things and the mechanisms under which they operate. The course covers the basis for life, simple chemistry, cellular processes, and genetics before going on to provide a survey of the living world by examining the domains and kingdoms of life which includes; bacteria, archaea, protists, fungi, plants and animals. Kingdom Animalia is examined in depth and includes the study of porifera, worms, insects, reptiles, amphibians, birds and mammals to name a few of the animal phylums. Lab exercises including dissections reinforce the materials taught.

BIOLOGY HONORS

This course is designed to give the student an in-depth study of biology that is more extensive than the traditional biology course. Students study the traits of all 6 kingdoms and members of each kingdom. Organisms studied include archeabacteria and eubacteria, protozoans and algae, fungi, and plants. Animals studied include worms, insects, reptiles, amphibians, birds and mammals. The course also covers genetics and biotechnology, taxonomy, cells and their processes, photosynthesis and the human body. Research on specific subjects and laboratory exercises including dissections reinforce what is taught.

COMPUTER APPLICATIONS

This course provides a broad overview of computer applications including an introduction to computer concepts, office applications, photo editing, audio engineering, 3D modelling, websites, and app development.

ECONOMICS

This course provides an overview of basic economic principles and practices. Special attention is given to defining and explaining key economic ideas as they apply in present day economic systems throughout the world. Several practical aspects of economics will be studied including subjects like personal budgeting and the stock market.

ENGLISH

This course is designed as a further study of language skills needed for advancement in high school and preparation for college. The course contains an extensive study in grammar as well as sections devoted to developing composition, creative writing, and technical writing skills. Reading and memorization skills are reinforced by weekly lessons in spelling, poetry, vocabulary, and literature. Literature encompasses novels, non-fiction works, short stories, and poetry drawn from classical as well as modern sources. Traditional cumulative testing, quizzing, homework, and writing assignments reinforce the materials.

ENGLISH HONORS

This course is designed as a further study of language skills needed for advancement in high school and preparation for college. The honors course contains an extensive study in grammar as well as sections devoted to developing composition, creative writing, and technical writing skills. Reading and memorization skills are reinforced by weekly lessons in spelling, poetry, vocabulary, and literature. Literature encompasses novels, non-fiction works, short stories, and poetry drawn from classical as well as modern sources. Traditional cumulative testing, quizzing, homework, and writing assignments reinforce the materials. What sets this course apart is its extraordinary focus into the core material as well as additional studies in related concepts. Related concepts include additional compositions, higher level spelling studies, more intense poetry instruction, and higher vocabulary training.

GEOMETRY HONORS

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, coordinate and transformational geometry.

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.

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 view point 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.

BAND (Continued)

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)	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)	

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 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.

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).