

EIGHTH GRADE – SCHAUMBURG CHRISTIAN SCHOOL

ALGEBRA

This course reinforces and expands upon skills from Pre-algebra, while introducing many of the basic 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, square roots, quadratic equations, and statistics are discussed. Technology applications and applications to everyday situations are integrated in the lesson.

ALGEBRA ACCELERATED

This course reinforces and expands upon skills from Pre-algebra, while introducing many of the basic principles of algebra, plane geometry, and introductory trigonometry. This course is taught at a quicker pace and is able to introduce topics that are not able to be discussed in the non-accelerated class. Applications to everyday situations are integrated in the lesson. Concepts such as solving equations and inequalities (integer or rational), polynomials, factoring, ratios (proportions and percents), graphing, systems of equations, square roots, quadratic equations, probability and statistics are discussed. Additional topics such as graphing quadratic equations, Quadratic Formula, and right triangle trigonometry are covered, which are among topics that are rarely discussed in the non-accelerated class.

BIBLE

The Eighth Grade OT Bible Truths course is a character study from the historical portion of the Old Testament. The course seeks to challenge the students to emulate the heroes of the Old Testament and to avoid the negative characteristics of some characters. Each section will emphasize a character quality that the student is to develop, an action they are to perform, or a truth they are to believe. The course's deeper study reveals God's plan, weaved through scriptures, the Gospel of Jesus.

ENGLISH

This course is designed as a foundation in basic language skills needed for further advancement in high school. With our extensive study in grammar the student will be able to develop his composition skills in creative writing as well as technical writing on book reviews and a research paper. Reading and memorization skills are reinforced by weekly lessons in spelling, vocabulary, and literature. Literature encompasses novels, non-fiction works, short stories, and poetry drawn from classical as well as modern sources. PSAT testing and preparation is provided.

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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.

EARTH SCIENCE

The student will climb mountains, dive into the oceans, and be launched into the skies as they learn how the world works. A portion of the student's exploration of the universe and of our earth will be conducted through the World Wide Web utilizing such sites as Google Earth. The student will observe the universe and explore such ideas as the following: Where did it all come from? How is it changing? What is the significance of all this? What is man's role in all this? Earth Science is divided into six units. Unit 1 sets the stage by giving the students the tools to use. An example of science and worldview, a survey of mapping, and physical science concepts will equip the student to handle Earth science concepts. Unit 2 will explore Earth's tectonic processes, the landforms, and events they produce. Unit 3 examines Earth's rocky materials and how they change with varying conditions. Unit 4 launches the students into the water world with a study of oceans, lakes, rivers, and ground water. Unit 5 studies the atmosphere with its storms, varying conditions, and climate. Unit 6 probes space, beginning with the sun-moon-earth system and moving out to the expanse of the universe. The students will contrast the Young-Earth view with the Old-Earth view throughout the year as they develop a biblical worldview of Earth Science from Creation to present day.

UNITED STATES HISTORY

This course provides a chronological overview of United States history beginning with pre-Colonial settlements up through present day events. Special attention will be given to key figures and events in the founding and shaping of America. The course also includes a detailed study of the United States Constitution and how it affects our government today.

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

JUNIOR HIGH BAND: SCHOOL GRADE: 7-8

PLAYING YEARS: 4-5

Students in Junior High Band will participate regularly in a band setting. Technical and expressive skills will increase in difficulty as the student demonstrates a variety of articulations, alternate fingerings, and vibrato while playing the required scales, arpeggios, and rudiments in more complex rhythmic patterns. Percussion students will become more proficient in the use of mallet instruments, timpani, and auxiliary instruments.

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 in materials being studied. The student will demonstrate a variety of articulations. The student will perform all major scales in one-octave, with one-octave tonic arpeggios, ascending and descending. The student will perform a chromatic scale, ascending and descending, in sixteenth notes throughout the practical range of the instrument. The student will use dynamic contrast and technical skills as a means of expression. The student will demonstrate ensemble skills. The student will demonstrate increased learning through a variety of music activities. The Student will 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 twice a week for the junior high 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 state choral competitions.

COMPUTER APPLICATIONS

Students are introduced to a variety of different computer programs, concepts, and systems including: word processors, spreadsheets, photo editors, 3D modelling, and block-based programming.

HANDBELL CHOIR

Junior High Handbells is an auditioned-elective course that meets twice a week. Students in grades 7-8 may audition for a place in the 14-member group. Students will learn 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 Jr. High Handbell Choir participates in a fine arts competition every spring and performs intermediate sacred and secular repertoire on campus at different concerts throughout the school year.

HOME SKILLS

Home skills is practical, fun-filled, hands-on course designed to help the student begin to learn needed life skills. We start the year with learning the basics of nutrition, MY PLATE, cooking skills, and safety in the kitchen. Labs are a highlight as they work together to follow recipes. We have discussions concerning table setting and etiquette as well as basic personal relationships and advice for a healthy lifestyle. Second semester we spend time with labs using hand and machine sewing on a project, carpentry, electrical, household painting, lawn equipment, and computer setup.

SPANISH I

This course is yearlong for beginner students of Spanish. Students will learn proper grammar and develop basic communication skills in both oral and written Spanish (listening, speaking, reading, and writing). The learner is introduced to the 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 is introduced in Spanish for the glory of God.

SPANISH II

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