

## SECONDARY CLASSES: AGES 12-14



### Math 8/7      Ages 12-14; 7th or 8th grades

*Saxon Math 8/7, Third Edition*

Each lesson in Saxon Math introduces a concept and then explains the concept through examples. Practice problems and a problem set follow each lesson. Previously learned concepts are reviewed in each problem set. *Math 8/7* reviews fractions, decimals, and percents, previously covered topics, and provides pre-Algebra instruction. Word problems, statistics and probability, scientific notation, ratios and proportions are included in this course as are simplifying equations and factoring expressions, slope-intercept form, graphing linear inequalities, and the Pythagorean Theorem. Class time will include the presentation of concepts for the week's lessons, with guided practice, and answering of student questions. Students will be expected to complete their homework assignments for the next class. A spiral notebook will be used. This is a 32-week, 2 semester course.

### Pre-Algebra      Ages 12-14; 7th or 8th grades

*Saxon Algebra ½, Third Edition*

Saxon's *Algebra ½* is the text used in this course. Topics presented include ratios, a review of fractions, decimals, and mixed number operations, scientific notation, graphing, and the fundamentals of geometry. Solving equations with one variable, order of operations, and working with signed numbers are also part of this course. As in the other Saxon books, each lesson introduces a concept and then explains the concept through examples. Practice problems and a problem set follow each lesson.

Class time will include the presentation of concepts for the week's lessons, with guided practice, and answering of student questions. Students will be expected to complete their homework assignments for the next class. A spiral notebook will be used. Students will have homework assignments to complete each week. This is a 32-week, 2 semester course.

**Prerequisite: Successful completion of Math 8/7 or Math7/6**

# Algebra 1

Ages 12-14; 8th or 9th grades

*Saxon Algebra 1, 4th Edition*

Saxon Algebra 1 is a college-preparatory course that helps students develop algebraic thinking, reasoning skills, higher-order thinking skills, and application skills. This course covers the foundations of algebra: functions and relations; equations; linear equations and functions; polynomials; rational expressions and functions; inequalities; systems of equations and inequalities; radical expressions and functions; quadratic equations and functions; absolute-value equations and inequalities; and probability and data analysis. It introduces the use of a graphing calculator in labs designed to model mathematical situations.

Each lesson introduces a concept and then explains the concept through examples. Practice problems and a problem set follow each lesson. Class time will include the presentation of concepts for the week's lessons, with guided practice, and answering of student questions. Students will be expected to complete their homework assignments for the next class. A spiral notebook will be used. This is a 32-week, 2 semester course.

**Prerequisite: Successful completion of Pre-Algebra**



## Life Science

Ages 12-14; 7<sup>th</sup> or 8<sup>th</sup> grades

BJU Press; *Life Science*; 3<sup>rd</sup> edition

In this course, students will study cell biology, genetics, the history of life, microbiology, botany, ecology, zoology, and human anatomy and physiology. Material is presented from a biblical worldview.

Students in this class will be expected to read the text and answer questions so that they can contribute to class discussions and projects. Some individual projects will also be assigned. Students will perform experiments in class and will keep a lab notebook. This is a 32-week, 2 semester course.

## Physical Science      Ages 12-14; 7<sup>th</sup>, 8<sup>th</sup>, or 9<sup>th</sup> grades

Apologia; *Exploring Creation With Physical Science*; **2<sup>nd</sup> edition**

From the publisher: “*Exploring Creation With Physical Science* provides a detailed introduction to the physical environment and some of the basic laws that make it work. The fairly broad scope of the book provides the student with a good understanding of the earth's atmosphere, hydrosphere, and lithosphere. It also covers details on weather, motion, Newton's Laws, gravity, the solar system, atomic structure, radiation, nuclear reactions, stars, and galaxies.”

Students in Physical Science will be expected to read the text and answer questions so that they can contribute to class discussions and projects. Some individual projects will also be assigned. Students will perform experiments in class and will keep a lab notebook. This is a 32-week, 2 semester course.

**Recommended: Concurrent enrollment in Pre-Algebra or successful completion of Pre-Algebra**



## Grammar and Writing

Ages 12-14; 7<sup>th</sup> or 8<sup>th</sup> grades

*Shurley English, Level 7 or 8*

Students taking this course will understand the importance of expressing ideas and developing communication skills. They will review the parts of speech and expand their knowledge of sentence structures, types of essays, and the writing process. In this course, students will compose a variety of essays using coherent organization and sufficient detail. They will be expected to learn how to locate relevant sources and to use information to evaluate, synthesize, and present ideas in a research paper and in class. They will listen and respond to others' ideas and contribute their own ideas while working in groups and in class.

We will use *Shurley English Level 7 or 8* and a classroom set of *A Beka Literature* books. Several novels will be used in this class, including *My Side of the Mountain*, by Jean Craighead George, and *Roll of Thunder, Hear My Cry* by Mildred Taylor. Students will

need to purchase the Grammar Workbook for their level through ACS. This is a 32-week, 2 semester course.

## Literature and Writing Ages 12-14; 7<sup>th</sup> or 8<sup>th</sup> grades

### *Structured Writing and various novels, short stories*

We will be using *Structured Writing* by Laura George for the writing portion of this course. Her writing program “uses color-coded formulas and a step-by- step approach to teach basic academic writing skills. Once learned, the formulas help the student set up different types of academic writing assignments while the color codes effectively illuminate the different parts of each assignment.”

Students will read and discuss a variety of literary texts with the goal of learning to write more effectively and to gain a greater understanding of moral absolutes as found in literature and a greater understanding of God's character. Writing assignments will be based on these texts and will include a short story unit, *Through Gates of Splendor* (Elisabeth Elliot), *Johnny Tremain* (Esther Hoskins Forbes), *The Pearl* (John Steinbeck), *The Hobbit* (J.R.R. Tolkien), and others. This is a 32-week, 2 semester course.



## Bible

### Bible Ages 12-14; 7<sup>th</sup> and 8<sup>th</sup> grades

#### *The Life of Christ, ACSI text and workbook*

“Jesus and the writers of the Gospels are introduced in the beginning of the text, as lessons move through the New Testament, including Christ's birth and baptism, miracles, sayings, events with his disciples, the Sermon on the Mount, and his crucifixion”. Each lesson focuses on a Scripture passage with new words in bold print. Personal application and discussion questions are provided, as are assignments and quizzes.

Students will be expected to complete the assignments and come to class prepared to discuss their assignments. While much of this course is discussion-based, group and individual projects and papers will be assigned. Scripture memorization is also a part of this course.

ACSI text, *The Life of Christ* and the accompanying workbook will be used. Workbooks may be ordered through ACS. This is a 32-week, 2 semester course.



Spanish

Ages 12-14; 7th and 8th grades

Paso a Paso, Level B

In learning Spanish, students are encouraged to appreciate Spanish-speaking peoples and cultures. The text utilizes differently themed chapters to teach vocabulary associated with greetings, family, weather, home, and activities. Emphasis is placed on conversation in this course, but students will begin learning some grammar. They will practice listening, speaking, and writing Spanish. This is a 32-week, two semester course.



Music

Ages 12-18; 7<sup>th</sup>-12<sup>th</sup> grades

At these levels, there will be an emphasis on singing. We will explore possibilities for area and state competitions in choral music as well as solos. We will incorporate creativity as much as we can with some listening activities, as well as more complex rhythmic activities. These age levels can do combined class ensemble work for performances. Some of the performance possibilities include drama presentations (that can also include younger students), a fall and spring concert/program, other smaller events as they become available.