



**Arborbrook Christian High School**  
4823 Waxhaw-Indian Trail Rd.  
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## Course Descriptions 2018-2019: Grades 11 & 12

### Math:

#### ***Algebra II (11<sup>th</sup> grade)***

In Algebra II, students will master the topics covered in Algebra I and advance to increasingly complex concepts. The main focus of the class is algebra and the practice of skills such as completing the square, simplification of radicals, abstract equations, advanced inequalities and graphing. It includes several lessons that lay the foundation for fundamental physics and chemistry. The text for this course is *Algebra II, Third Edition* by Bob Jones University Press.

#### ***Pre-Calculus (12<sup>th</sup> grade)***

This course focuses on trigonometry, logarithms, geometry, and upper-level algebra. There is a heavy emphasis on problem solving skills. The concepts covered in this course are meant to prepare students for calculus, physics and other advanced mathematics courses in college. The text for this course is *Saxon Advanced Mathematics, 2<sup>nd</sup> Ed.*

#### ***Calculus (12<sup>th</sup> grade)***

This class is for students who have completed Pre-Calculus their Junior year and desire a fifth math in preparation for a Science or Math major. Text: TBD

### Science:

#### ***Chemistry (11<sup>th</sup> grade)***

In this course, students will study units including matter, the language of Chemistry, phases of Matter, solutions, and their behavior, and Energy. Students will gain scientific knowledge and skills as they develop an appreciation of God's creation. The text for this course is *Modern Chemistry* by Holt, Rinehart, and Winston.

#### ***Anatomy & Physiology (12<sup>th</sup> grade)***

This course is not required for students but is often encouraged for those wishing to pursue a Science or Health major in college. Students will learn about the structure of the human body studying and memorizing the various systems. Text: TBD

### English:

#### ***English C: American Literature (11<sup>th</sup> grade)***

Students will read such books as *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, *The Old Man and the Sea*, *The Great Gatsby*, and *A Raisin in the Sun* among other titles. The Shakespeare play for this year is *Taming of the Shrew*. Writing will include analytic papers based on the literature and a research paper. Students will study grammar and vocabulary using *Wordly Wise* and *Warriner's English Grammar*.

#### ***English D: World Literature (12<sup>th</sup> grade)***

Russian literature and World literature will be the focus of this class. Students will read *Crime and Punishment*, *Things Fall Apart*, short stories by Tolstoy, and *Night*, among other great works. The Shakespeare play for this year is *As You Like It*. Students will write analytic and persuasive papers, They will study grammar and vocabulary usage with *Wordly Wise* and *Sentence Composing for High School*

### History:

#### ***U.S. History II (11<sup>th</sup> grade)***

Students will study events in American History from World War I, the Roaring Twenties, Great Depression and New Deal, World War II and the late Twentieth Century. The text used for this course is *America: The Last Best Hope, Volume II* by William Bennett, covering the years from 1914-1989. It also includes historical fiction such as *All Quiet on the Western Front*. Students will read original source documents, debate topics, research, write, participate in group discussions, prepare oral presentations and projects. Students will also analyze current events.

#### ***Civics & Economics (12<sup>th</sup> grade)***

Students will learn how our government functions, how the three branches of government work together, and how states and the federal government work. They will study the Constitution and Bill of Rights, and consider various theories of economics as they complete hands-on projects, participate in debates, and more. The texts for this course are *Exploring Government* and *Exploring Economics* by Ray Notgrass.

## **Foreign Language:**

### ***Spanish III (11<sup>th</sup> grade)***

Students will learn Spanish through direct instruction, conversation and grammar.

Textbooks used are *Spanish III* from Paso a Paso and Barron's *501 Spanish Verbs*.

\*Teacher recommendation and entrance exam are required for this course.

### ***Spanish IV (12<sup>th</sup> grade)***

Students will study and practice advanced Spanish working towards fluency and mastery through the use of classic Spanish literature, film, and in-depth projects.

\*Teacher recommendation and entrance exam are required for this course.

## **Bible:**

### ***Bible***

Students will participate in small group Bible studies, reading & discussing Scripture, learning spiritual disciplines such as verse memory, and praying for one another as they grow into mature and effective followers of Christ. The emphasis Junior year is on spiritual growth and students will study a New Testament epistle as well as masculinity for boys and femininity for girls. Senior year, the emphasis is on "planting seeds and bearing fruit." Students will study the book of Acts and will be encouraged to take on various roles of leadership, mentoring and outreach with opportunities for practical application at school and outside of school.

### ***Apologetics (11<sup>th</sup> grade)***

This course will concentrate on learning how to defend the faith, emphasizing biblical truth and counter-cultural reasoning with the goal of the student being prepared to impact his or her world for the Kingdom. Text used is *On Guard:*

*Defending your Faith with Reason and Precision* by William Lane Craig.

## **Required Auxiliary Courses:**

### ***Junior Seminar/SAT Prep. (11<sup>th</sup> grade)***

This course will assist students in preparing for the SAT exam. Students will practice taking the test with practice questions and learn strategies for doing as well as they can on this exam, which is extremely important to colleges both for entrance and for scholarship assistance.

### ***Personal Finance (12<sup>th</sup> grade)***

This course will empower students to make sound financial decisions for life. Students will learn how to establish a personal budget, understand investments, set and achieve financial and career goals, recognize the dangers of debt, and become a smart consumer. Biblical principles of money

management are taught using Dave Ramsey's high school curriculum *Foundations in Personal Finance*.

## **Electives:**

### ***Performing Arts***

At least one performing arts course will be offered. We hope to offer elective classes in the following: Worship Band, Acting, Musical Theater

### ***Visual Arts***

At least one visual arts course will be offered.. We hope to offer elective courses in the following: Yearbook, Photography, Ceramics, additional Art class

### ***Other Elective Offerings***

Other elective courses next year *may* include: Culinary Arts, Computer Programming, Graphic Design, Archery, Public Speaking, Business, and Home Economics.

Courses are based on student interest and instructor availability.

### ***Spring Term, Edu Trips & Missions***

All students will have the opportunity to participate in missions during our Spring Term week in March. We will, Lord willing, offer another trip to Nicaragua for students to engage in foreign Missions. This trip will be limited in size and upperclassmen will have first priority.