



Arborbrook Christian High School
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Course Descriptions 2017-2018: Grades 9 & 10

Math:

Algebra I

In Algebra I, students will focus on the fundamental aspects of problem solving, while introducing variables and their properties. They will gain skills in linear graphing and apply algebraic concepts to various real-life problem solving. The text for this course is *Algebra I, Third Edition* by Bob Jones University Press.

Geometry

In Geometry, students will learn to prove theorems, and apply several concepts such as constructions, area, and volume in real-life applications. They will use technology in problem solving and focus on analytic geometry. The text for this course is *Geometry, Third Edition* by Bob Jones University Press.

Algebra II (10th graders advanced one year in math)

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.

Science:

Environmental Science

In this course, students will study units such as Ecology, Land and Water Use, Energy, and Sustainability. Students will gain scientific knowledge and skills as they develop an appreciation of God's creation. The text used for this course is *Environmental Science: Toward a Sustainable Future*, 11th edition by Richard Wright.

Biology

In this course, students will gain a deeper understanding of the chemistry of Life, Cells, Life Functions and Genetics through theoretical concepts, activities, and labs. Students will appreciate the complexity and majesty of God's creation firsthand. The text for this course is *McDougal Littell Biology*

History:

World History

Students will study events in World History from Exploration to the present day, considering significant people, events, and changing ideas throughout history. The text for this class is *World History for Christian Schools, 2nd Ed.* by BJU Press. Texts will also include historical fiction such as *Quo Vadis*.

U.S. History I

Students will study events in American History from the Native Americans, Early Explorers, and First Settlers, through the American Revolution, Civil War, and Reconstruction. The text used for this course is *America: The Last Best Hope* by William Bennett, covering the years from 1492-1914. Texts will also include historical fiction such as *Narrative of the Life of Frederick Douglass*.

* Students will read original source documents, debate topics, research, write, participate in group discussions, prepare oral presentations and do projects, all with the goal of making history come alive. Students will also analyze current events..

English:

English A: Freedom in Form

This class will concentrate on memoirs, poetry, essays, plays and novels. Writing projects include a unit on creative writing and a research paper comparing a character in *Animal Farm* with his/her real-life counterpart from the Russian Revolution of 1917. Some of the authors studied during the year range from Homer and Henry David Thoreau to Edgar Allan Poe, Harper Lee, Ann Voskamp and others. The Shakespeare play for this year is *Hamlet*. Additionally, students will study grammar and vocabulary using *Wordly Wise* and *Warriner's English Grammar*

English B: British Literature

British literature is the focus of this class, reading the classic works *A Tale of Two Cities*, *Beowulf* and *The Canterbury Tales* among others. The Shakespeare play for this year is *Julius Caesar*. The writing emphasis is on narrative, descriptive, and reflective writing. . Additionally students will study grammar and vocabulary *Wordly Wise* and *Warriner's English Grammar*.

Technology:

Technology I (9th Grade)

During this year-long course, students will learn some basics about computer hardware, get to know the Mac, practice with Word, learn e-mail etiquette, practice how to do an effective web search, and learn how to use Mac programs such as PowerPoint/Keynote, iPhoto, and iMovie through high-interest projects.

Technology II (10th Grade)

During this year-long course, students will learn how to use GarageBand to create a radio-style podcast, learn how to use Excel to manage data in a spreadsheet, and use online resources to create a "how to" website.

Foreign Language:

Spanish I

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

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

Spanish II

Students will continue to learn and refine their conversational Spanish and Spanish grammar through direct instruction, reading, projects, and interactions with other Spanish speakers.

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

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. Students will also engage in inductive Bible study of an Old and New testament book.

Worldview 10th grade)

Surveys reveal that a majority of Christian young people walk away from Christ after four years of a university education. Why? Because they are not prepared to defend their faith in a world that, in most cases, presents ideas contrary to their biblical beliefs. This class will take students on a journey into the world of ideas that are shaping our culture, surveying different worldviews, while teaching them to respond with a Christian worldview. The text used for this course is *The Universe Next Door* by James Sire.

Electives:

P.E./Health

Using a wonderful resource called *Made in His Image* by Randy J. Guliuzza, we will discover the complexities of the human body while learning practical skills of how to be a good steward of our bodies. A mix of practical hands-on skills training and classroom instruction, this will offer students a wide variety of exposure to basic foundational life skills in the area of fitness and health.

Performing Arts

At least one performing arts course will be offered each semester. In praise band, students will use their musical gifts in worship, sing choral pieces in parts, and discuss what it means to be a Christian artist. They will help lead worship during multiple Assembly times. In Drama, students will work together to produce the Spring production which will be entered in the Blumeys. Students can be involved in both acting and technical work for the show.

Visual Arts

At least one visual arts course will be offered each semester. Both semesters, we typically offer an art class, sometimes in a particular medium. Yearbook is also offered all year, with students working to produce and publish the Arborbrook yearbook. They will hone their writing, computer graphics, editing, and layout skills as they work together as a team.

Other Elective Offerings

Other elective courses next year *may* include: Culinary Arts, Creative Writing, Computer Programming, Archery, Public Speaking, Photography, and Permaculture. Courses are based on student interest and instructor availability.

Spring Term, Edu Trips & Missions

All students will have the opportunity to take a one-week intensive elective during Spring Term for which they will earn ¼ credit. Past offerings have included Home Economics, Photography, Sports and Nutrition, Project Management, Auto Mechanics, History trips,, Nicaragua Missions trip (including Spanish Immersion school), Indiana Service Trip, and more. These classes and trips take place one week in March.