



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### ALGEBRA 1

MR. ROSS

**Textbook:** *Algebra*, BJU Press, etextbook

#### **Course Description:**

*Algebra I* focuses on the integration of algebraic concepts in technology and real-life applications, presenting topics in logical order with detailed examples that promote student comprehension and retention. Students explore the simplification, solving, graphing and interpretation of linear, exponential, radical, quadratic, and rational functions both manually and with technology. This course is recommended for students who have completed Pre-Algebra.

#### **Course Outline:**

##### 1st Quarter

Number Sets and Number Lines  
Variables and Algebraic Expressions  
Opposites and Absolute Values  
Motion and Mixtures

##### 3rd Quarter

Solving Simple Systems by Substitution  
Radicals and Operations  
Products and Powers  
Evaluating Polynomials  
Factoring Mono and Trinomials

##### 2nd Quarter

Conjunctions and Disjunctions  
Relations and Equations  
Direct and Inverse Variation  
Coordinate Planes, Graphing Linear Equalities

##### 4th Quarter

Solving Quadratic Equations  
Completing the Square  
Radical Equations  
Graphing Rational Functions  
Mixed and Complex Expressions



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### GEOMETRY

MR. JORDAN AND MR. ROSS

**Textbook:** *Geometry*, BJU Press

#### **Course Description:**

This course begins with covering the foundational concepts needed to be successful in geometry, including a review of lines and the algebra behind them. Using a collaborative learning approach, students work together to master formal proofs that will aid them in their investigation of congruent triangles and the relationships triangles share. This will extend into the properties of quadrilaterals. During the second semester, students build upon prior knowledge to develop formulas for area, surface area, and volume. Transformations, symmetry, and similar figures will also be investigated. The course will conclude with an introduction to trigonometry and using it to solve various triangles. Geometry contributes to the preparation students may take to enter job fields such as architecture, engineering, construction, data analysis, and even game developing.

#### **Course Outline:**

##### 1st Semester

Foundations of Geometry  
Reasoning and Proof  
Parallel and Perpendicular Lines  
Congruent Triangles  
Relationships in Triangles  
Quadrilaterals

##### 2nd Semester

Area  
Circles  
Surface Area and Volume  
Transformations and Symmetry  
Similarity  
Introduction to Trigonometry



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### ALGEBRA 2

MR. JORDAN

**Textbook:** *Algebra 2*, BJU Press

**Course Description:** This course is a continuation of the principles learned in Algebra 1 with added emphasis on problem solving. Students will first review the basic foundations of algebra, followed by linear functions and an extensive unit on quadratic functions and quadratic equations. Polynomial functions and their graphs will round out the first semester. In the second semester students will investigate nonpolynomial functions such as radical, exponential, logarithmic, and rational, as well as solving equations with them. An introduction to sequences and series will be given along with probability and statistics. A unit on conic sections will conclude the semester. Algebra 2 is an essential course for students planning to continue their study of mathematics in high school and college.

#### Course Outline:

##### 1st Semester

Basic Algebra  
Linear Relations  
Solving Systems of Equations  
Quadratic Equations  
Graphing Quadratics  
Polynomial Functions

##### 2nd Semester

Radicals and Exponents  
Exponential and Logarithmic Functions  
Rational Expressions and Equations  
Sequences and Series  
Probability and Statistics  
Conic Sections



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### BIBLE 9/10

MRS. BLACKBURN

**Textbook:** Bible, Legacy (LSB) / NIV Translation

**Course Description:** The ACHS Bible 9/10 course is designed to help students develop a strong foundation in biblical knowledge and understanding. Throughout the course students will observe how the Gospel is found in all parts of Scripture as they explore overall Biblical structure, geography, and its overarching story. Additionally, students will delve into the doctrines of the Bible, such as the nature of God, Christ, the Holy Spirit, angels, mankind, sin, salvation, and the church. The course will also provide guidance on how to study the Bible personally, using the inductive study method for both Old and New Testament books. Reflective application and service, as well as memorization and prayerful devotion, will be emphasized.

#### **Course Outline:**

##### 1st Semester

Old Testament Survey

Systematic Theology part 1

Personal Inductive Study Project (OT)

##### 2nd Semester

New Testament Survey

Systematic Theology part 2

Personal Inductive Study Project (NT)



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### ENGLISH - 9TH GRADE

MRS. BLACKBURN

**Textbook:** *Fundamentals of Literature*: Bob Jones University Press, *The Hobbit* by J.R.R. Tolkien, *Romeo and Juliet* by William Shakespeare, *To Kill a Mockingbird* by Harper Lee

**Course Description:** Through the lens of a Biblical worldview, literature based units will allow students to grow in ability to comprehend and analyze classic and modern texts, draw connections to compare and contrast Biblical imperatives, expand and strengthen vocabulary in preparation for higher level discussion and writing. Students will practice daily language activities including writing practice, grammar, annotation exercises, greek and latin, editing and word study with culminating writing projects emphasizing use of textual evidence and outside sources to defend a well constructed thesis. All units include writing projects, vocabulary, grammar, literature analysis, and Biblical application.

#### Course Outline:

##### 1st Quarter

Structure of a Short Essay  
Personal Narrative Essay  
*The Hobbit*

##### 3rd Quarter

*Romeo and Juliet*  
Expository Essay  
Non-Fiction  
State and Defend Essay

##### 2nd Quarter

*The Hobbit*  
Literature Analysis Essay & Writing Techniques  
Poetry

##### 4th Quarter

Oral Presentation of State and Defend  
*To Kill a Mockingbird*  
Persuasive Essay



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### ENGLISH - 10TH GRADE

MISS KELLEHER

**Textbook:** *Fundamentals of Literature*: Bob Jones University Press, *Out of the Silent Planet* by C.S. Lewis, *Macbeth* by William Shakespeare, *Count of Monte Cristo* by Alexandre Dumas, *The Bridge of San Luis Rey* by Thornton Wilder

**Course Description:** English 10 is a course that integrates the language arts skills (reading, writing, speaking and listening) into the reading of a survey of literature. This integration includes grammar and mechanics, critical thinking, writing, analysis, literary criticism, vocabulary study, and discussion while looking at literature from a Christian perspective.

#### Course Outline:

##### 1st Quarter

Out of the Silent Planet: C.S. Lewis  
Persuasive Writing Technique

##### 2nd Quarter

The Illiad: Homer  
Narrative Writing

##### 3rd Quarter

The Bridge of San Luis Rey: Thornton Wilder  
The Counte of Monte Cristo: Alexandre Dumas  
Research Writing

##### 4th Quarter

Macbeth: Shakespeare  
Argumentative Writing



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### PHYSICAL SCIENCE

MRS. DEGRAAF

**Textbook:** *Physical Science*, BJU Press, 6th Edition

**Course Description:** BJU Physical Science provides our students with a foundation for further study in the fields of chemistry and physics. They will learn to use and develop models in scientific theories, apply math concepts to forces, motion, and atomic structure, and construct arguments to support a scientific claim.

#### Course Outline:

##### 1st Quarter

Matter  
Atoms  
Periodic Table

##### 2nd Quarter

Chemical bonding and compounds  
Chemistry of life  
Changes in matter  
Chemical reactions

##### 3rd Quarter

Solutions  
Acids and Bases  
Matter in Motion  
Kinematics

##### 4th Quarter

Work and machines  
Energy  
Thermodynamics  
Wave energy  
Electricity



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### CULTURAL GEOGRAPHY

MR. YOUNG

**Textbook:** *Cultural Geography*, BJU Press

**Course Description:** 9th grade Geography will introduce students to both physical and cultural geography. They will understand essential geography skills and the features of physical geography. Students will understand the 5 themes of Geography: Religion, Institutions, Social Groups, Aesthetics, and Physical Environment. They will be introduced to various regions and cultures and will learn how to locate and identify various countries throughout the world. Most importantly students will see God's hand in the development of human culture and society in all of its beauty and uniqueness.

#### **Course Outline:**

##### 1st Quarter

Studying the World  
Physical Geography  
Earth's Climate  
The World's People  
The United States

##### 2nd Quarter

Canada  
Mexico and Central America  
South America  
Northern Europe  
Continental Western Europe

##### 3rd Quarter

Russia  
Eastern Europe  
Southern Europe  
North Africa  
Equatorial Africa

##### 4th Quarter

Eastern and Southern Africa  
Middle East  
The Caucasus and Central Asia  
South Asia  
China Mongolia and Taiwan  
Japan and Korea





# COURSE DESCRIPTIONS

## HIGH SCHOOL

### WORLD HISTORY

MR. YOUNG

**Textbook:** *World History*, BJU Press

#### **Course Description:**

World History is a survey of the history of the world, starting with creation and continuing to the present. Focusing on Modern World History, from 1100 to the present. Students will analyze five key themes throughout history from a biblical perspective: justice, power, citizenship, environment, and world religions. Students will also learn how to identify and use historical thinking skills. These include: continuity and change, historical argumentation, causation, interpretation, chronology, contextualization, periodization, analyzing primary sources, and comparison. As they trace the major patterns in world history, they will see how those themes point more and more clearly to the work and mission of God.

#### **Course Outline:**

##### 1st Quarter

Greek Civilization

Roman Civilization

Renaissance and Reformation

##### 3rd Quarter

Reaction and Revolution

Industrial Revolution and European Society

European Expansion

The Great War

##### 2nd Quarter

Pursuit of Power in Europe

Age of Reason

Attempts at Liberty

##### 4th Quarter

Discontent and Experimentation

The Second World War

The Cold War Era

To the Present



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### AP WORLD HISTORY

MR. YOUNG

**Textbook:** AP World History - Traditions and Encounters, McGraw-Hill

**Course Description:** AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

#### **Course Outline:**

##### 1st Quarter

Unit 1: The Global Tapestry

Unit 2: Networks of Exchange

##### 2nd Quarter

Unit 3: Land-Based Empires

Unit 4: Transoceanic Interconnections

##### 3rd Quarter

Unit 5: Revolutions

Unit 6 Consequences of Industrialization

Unit 7: Global Conflict

##### 4th Quarter

Unit 8: Cold War and Decolonization

Unit 9: Globalization



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### SPANISH 1

MRS. BREITBART

**Textbook:** *Spanish 1*, BJU Press

#### **Course Description:**

In this course, students will focus on developing foundational language skills by learning comprehension and communication of Spanish. To broaden students' perspectives, students will also spend time learning about various aspects of Spanish speaking cultures around the world—including holiday traditions. Activities include role play, collaboration among students, and multimedia input to engage students. Students will learn fundamental vocabulary and grammar including greetings, introductions, classroom/home related vocabulary, and the use of present tense verbs. They will also memorize Bible verses throughout the year.

#### **Course Outline:**

##### 1st Quarter

School  
Greetings/introductions  
Cognates  
Subject pronouns/articles  
Numbers 1-100

##### 2nd Quarter

The verbs *gustar*, *tener*, *hacer*, *salir*  
Days of the week  
Telling time  
Family  
Possessive adjectives

##### 3rd Quarter

The verb *estar*  
Prepositions/direct object pronouns  
Present progressive  
Holidays

##### 4th Quarter

Transportation  
Regular/irregular verbs  
Colors  
Food/mealtimes/restaurant



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### SPANISH 2

MRS. BREITBART

**Textbook:** *Spanish 2*, BJU Press

#### **Course Description:**

In this course, students will continue to develop proficiency by learning comprehension and communication of Spanish. Students will practice speaking, listening, reading and writing with more complex sentence structures. In order to provide a more well rounded understanding of the language, students will also spend time learning about various aspects of Spanish speaking cultures around the world, including holiday traditions. Students will learn more advanced grammatical concepts, practice expanded vocabulary, and complete cultural related projects and Bible memorization.

#### **Course Outline:**

##### 1st Quarter

Transportation  
Regular/irregular verbs  
Colors  
Food/mealtimes/restaurant

##### 3rd Quarter

Formal/informal commands  
Prepositions: *por/para*  
Reflexive verbs  
Weather/seasons  
Professions  
The Lord's Prayer

##### 2nd Quarter

Pastimes  
Seasons/weather  
The verbs *jugar, saber, conocer*  
Comparative/superlative

##### 4th Quarter

Family members  
Verbs *ser, tener*  
Personality  
Reflexive verbs  
School



# COURSE DESCRIPTIONS

## HIGH SCHOOL

**ART**

**MRS. REIDY**

**Course Description:** This is an introductory art class, focusing on the foundational and fundamental art skills. We will continuously glorify God and His creation with our artwork while we work our way through the basics in Quarter 1, learning about the elements and principles of art. With each topic we will create a new project! You will learn how to create your own art portfolio that will be a cumulative project throughout the semester. Quarter 2 focuses on famous artists, different types of sculpting, and a fun collaborative art project. You will turn in your art portfolio at the end of Quarter 2 as part of your grade.

**Course Outline:**

1st Quarter/ 3rd Quarter

Elements of Art  
Principles of Art  
Pointillism  
Creating an Art Portfolio

2nd Quarter/ 4th Quarter

Famous Artist Inspiration:

- Keith Haring
- Van Gogh
- Picasso
- Frieda Khalo

Sculpting  
Collaborative Artwork  
Finishing Art Portfolio



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### CREATIVE WRITING

MS. SPANGLER

**Textbook:** *The Creative Writer Level 2*: Well-Trained Mind Press.

**Course Description:** An introduction to creative writing, covering the essentials of storytelling, writing techniques, and exposure to various forms of creative works. This is a project-centered course, in which students will work to develop one major creative writing project throughout the semester. Students will grow in their creativity as storytellers, learn and incorporate writing concepts into their own work, and both offer and receive constructive feedback on each other's works.

#### Course Outline:

##### 1st Quarter

Prewriting

Plot

Character

Setting

Worldbuilding

##### 2nd Quarter

Point of View

Voice

Crafting Scenes

Strong Sentences

Dialogue

Self-Editing & Revision



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### MUSIC

MR. VARENKAMP

#### Course Description:

This course provides students with a comprehensive introduction to music theory and its role in worship. Students will learn to read sheet music, sight-sing, and understand core musical concepts such as pitch, melody, rhythm, harmony, and dynamics. The course also explores how music enhances worship by helping us honor and connect with God. Students will have the opportunity to apply their knowledge by leading worship in a chapel service. Assessments will include quizzes, class participation, and a performance review, providing a balanced understanding of both music theory and worship leadership.

#### Course Outline:

##### 1st Quarter

Rhythm  
Pitch  
Treble Cleff  
Major Scales  
Time Signatures  
Key Signatures  
Identifying Patterns and Structure  
Worship Responses

##### 2nd Quarter

Harmony  
Dynamics  
Bass Cleff  
Minor Scales  
Singing Technique



# COURSE DESCRIPTIONS

## HIGH SCHOOL

### STEM

MRS. DEGRAAF

**Textbook:** none

**Course Description:** STEM courses use hands-on teaching methods to help students learn to apply academic content to real-world problems. The goal is to prepare students for future careers by helping them develop skills like problem solving, analysis, communication, and understanding technology. Standards are pulled from NGSS and include cross-cutting concepts involving multiple scientific disciplines.

**Course Outline:**

1st Quarter

Forces and motion  
Basic coding

2nd Quarter

Robotic construction and coding  
Kinematics  
Rocketry

3rd Quarter

Forces and motion  
Basic coding

4th Quarter

Robotic construction and coding  
Kinematics  
Rocketry





# COURSE DESCRIPTIONS

## HIGH SCHOOL

### WEIGHT TRAINING

MR. BLACKWELL

**Course Description:** Welcome to the Strength and Conditioning class at Adventure Christian School! This course is designed for students in grades 8 through 10 who are eager to improve their physical fitness, strength, and overall athletic performance through structured weightlifting and conditioning programs.

#### Course Objectives:

- To introduce and master the fundamental lifts: squat, deadlift, bench press, and overhead press.
- To understand proper form, technique, and safety measures in weightlifting.
- To develop personalized fitness goals and track progress throughout the semester.
- To explore sports-specific conditioning techniques and exercises.
- To build a foundation of strength that supports overall athletic performance and injury prevention.

#### Course Outline:

##### 1st Quarter

Introduction to weightlifting principles and gym safety.

- Detailed instruction and practice on the main lifts:
- Squat: Techniques for front squat and back squat.
- Deadlift: Conventional deadlift and variations.
- Bench Press: Proper form and variations.
- Overhead Press: Techniques and variations.
- Emphasis on form, technique, and progressive overload.

##### 2nd Quarter

Sports-Specific Training (Weeks 9-16):

- Transition to sports-specific lifts and conditioning.
- Exercises tailored to enhance performance in various sports (e.g., basketball, soccer, football, track and field).
- Incorporation of agility drills, plyometrics, and functional training.
- Focus on speed, power, and endurance relevant to different sports.