



# **Middle School**

## **Course Descriptions**

**2023-2024**

## Middle School Grade Breakdown

<b><i>BIBLE</i></b>	
<b>CATEGORY</b>	<b>%</b>
Test/Quizzes	40
Projects	30
Classwork/Homework	30
<b><i>LANGUAGE ARTS</i></b>	
<b>CATEGORY</b>	<b>%</b>
Writing	30
Grammar	20
Reading	25
Spelling/Vocab.	25
<b><i>MATH</i></b>	
<b>CATEGORY</b>	<b>%</b>
Tests	30
Classwork	30
Homework	40
<b><i>SCIENCE</i></b>	
<b>CATEGORY</b>	<b>%</b>
Tests	30
Classwork/Homework	30
Labs/Project	40
<b><i>HISTORY</i></b>	
<b>CATEGORY</b>	<b>%</b>
Tests	30
Projects	30
Classwork/Homework	40

**COURSE DESCRIPTION**  
**SIXTH GRADE**  
**ENGLISH-LANGUAGE ARTS (ELA)**

**Philosophy Statement:** God is the supreme communicator. He spoke the world into existence and uses many forms to communicate His goodness and truth to us. Language arts reflect our recognition that God wants us to communicate with Him and others by being proficient in reading, writing, listening, and speaking.

**Objectives:** Using a variety of articles, short stories, novels, and other sources, students will develop an awareness of basic literary devices and comprehension strategies, i.e. annotating text. In writing and grammar, students will develop and grow in their writing styles by implementing the Evidence Based Writing strategy. The EBW is a standards based writing approach that aligns with the students' grade level state standards. The writing will focus on taking evidence from a source to support a claim/thesis. Students will be expected to write well-constructed sentences that incorporate unit vocabulary.

**Textbook:** Wordly Wise 3000, Fourth Edition, Grade 6 (Educators Publishing Service)  
Easy Grammar Plus (Wanda C. Phillips)  
HSP California Excursions – Across the Horizon - Student Edition (Harcourt)  
Evidence Based Writing Approach (EB Academics)

**Resources:** Teacher Resource Book/Materials Provided by Teacher  
Renaissance Learning (STAR and AR)  
Read Theory  
Student Consumables

- Wordly Wise 3000, 4th Edition Book 6
- Easy Grammar Grade 6
- IXL.com - Digital Grammar Practice

**Novels:** *Frindle*  
*Eric Liddell*  
*The Magician's Nephew*  
*The Bronze Bow*

**Areas to be Evaluated:** Writing, Grammar, Reading, and Spelling/Vocabulary

**Test Corrections:** Students can receive\_\_\_\_\_ pts back for each corrected answer.

## **COURSE DESCRIPTION SIXTH GRADE HISTORY**

**Philosophy Statement:** Social Studies reveals God's sovereign plan through humanity's interaction with nature, social institutions, and community. It is through the understanding of these interactions that students evaluate the patterns of the past in order to work to fulfill God's Kingdom here on Earth.

**Objectives:** Students will explore the ancient civilizations of the Middle East, North Africa, Asia, Central America, as well as Greece, Rome, and the rise of Christianity in Europe. Students will see the development of civilizations and how they interacted with the civilizations around them. This is accomplished through the use of reading, writing, discussion, research, and participation in projects.

**Textbook:** Discovering Our Past: Ancient Civilizations (Glencoe)

**Course Content:** Introduction: Introduction to History  
Ch 1: The First Civilizations  
Ch 2: Ancient Egypt and Kush  
Ch 3: The Ancient Israelites  
Ch 4: Early India  
Ch 5: Early China  
Ch 6: The Ancient Americas  
Ch 7: The Ancient Greeks  
Ch 8: Greek Civilization  
Ch 9: The Rise of Rome  
Ch 10: Roman Civilization  
Ch 11: The Rise of Christianity

**Areas to be Evaluated:** Tests, homework/classwork, and projects

**Test Corrections:** Students are encouraged to make test corrections within a given time to receive  $\frac{1}{4}$  of the value back per question.

## **COURSE DESCRIPTION SIXTH GRADE BIBLE**

**Philosophy Statement:** The Bible is the foundation of a Christ-centered life. Through careful study and memorization of the Bible, we will develop and defend a Christian worldview, identify and live God's purposes for our life, and grow in Christian character and God's grace. The fruit of this study will be "that the man of God will be adequate and equipped for any good work" II Timothy 3:14-17.

**Objectives:** Students will conduct an introductory study (biblical survey) through the Old Testament and New Testament. The purpose of this study is to give our sixth graders an overview of the overall themes of the entire Bible, along with the metanarrative of Scripture. Alongside this, students will be engaging in a study of basic systematic theology, learning the essential truths of the Christian faith. On Flex Days, students will be reading and discussing Christian doctrinal themes found in Christian fantasy literature (C.S. Lewis's *Chronicles of Narnia*.) All learning will be reinforced with Scripture memorization.

**Textbook:** Bible (English Standard Version)

### **Course Content:**

- **Bible/Theology:**
  - Old Testament Survey
  - New Testament Survey
  - HOPE Video Series and Study Guide (An introduction to Systematic Theology)
- **Apologetics**
  - An introduction to defending the Christian faith.
- **Scripture Memorization**
- **Christian Fiction**
  - *The Chronicles of Narnia* (Books 1-3) - An basic theological analysis of C.S. Lewis's theology through the lens of Christian fiction/fantasy

**Areas to be Evaluated:** Tests, Quizzes, Homework/Classwork, Projects

## **COURSE DESCRIPTION SIXTH GRADE SCIENCE**

**Philosophy Statement:** Biblical science is the study of God's creation. God has revealed Himself in two ways: through the Bible and through creation. In creation, God's eternal power and divine nature are clearly perceived, and God has mandated that we investigate, explore, appreciate, and care for God's creation. In this way, we come to understand our Creator better in the process.

**Objective:** The sixth-grade science curriculum looks at four domains: Life Science, Physical Science, Earth and Space Science, and the Human Body. As students are increasing their understanding of the sciences, they will explore the diversity of life, structure in the physical world, patterns on earth and in space, the different systems in the body, and the stewardship of their body. Students will also conduct a science fair project involving research and experimentation, and present their projects during the school science fair in the spring.

**Textbook:** Choices: Science Level Six (Purposeful Design)

**Units of Study:** Ch. 1- Classification I  
Ch. 2- Classification II  
Ch. 3- Cell Processes  
Ch. 4- Heredity and Genetics  
Ch. 5- Periodic Table of Elements  
Ch. 6- States of Matter  
Ch. 7- Fluids  
Ch. 8- Why Things Move  
Ch. 9- Oceans in Motion  
Ch. 10- Rock Records  
Ch. 11- Violent Motions  
Ch. 12- Astronomy  
Ch. 13- Interaction of Systems

**Areas to be Evaluated:** Tests, quizzes, homework/classwork, and labs/projects

**Science Fair:** Students will also be participating in the middle school science fair by completing a project using research and experimentation which will be completed over the course of a few months. They will submit their projects in the spring at our school science fair.

## **COURSE DESCRIPTION SEVENTH GRADE BIBLE**

**Philosophy Statement:** The Bible is God's inspired word and the foundation of the Christ-centered life. Through careful study, meditation, and memorization of Scripture, we will grow, by God's grace, in faith and love as the Holy Spirit sanctifies us more and more into the image of His Son, Jesus Christ. Furthermore, we will develop and learn to defend a Christian worldview, and identify and walk according to God's will for our lives. The fruit of scriptural study will be "that the man of God will be complete, equipped for every good work." 2 Timothy 3:17

**Objective:** Students will come to understand scripture and scriptural principles as a whole. Students will do an in-depth study of the book of Genesis, learning to comprehend God's design in Creation. God's design is His will for humanity, including marriage between one man and one woman, the blessing of children, a biblical work ethic and being an image-bearer of God. Students will continue on to learn how sin entered into the world and brought corruption and God's curse into His universe. This corruption increased until God judged the world by a Flood. We will conclude our study by investigating the post-Flood world, the results of sin afterward that led to the multiplicity of languages and cultures around the world. All learning will be reinforced with Scripture memorization.

**Textbook:** Bible (English Standard Version)

### **Course Content:**

- **Bible/Theology:**
  - o Study Cosmology and Creation with an in depth study of Genesis 1-11.
  - o Old Testament Survey - an overview of the entire Old Testament
- **Apologetics** (Defense of the Christian faith)
  - o God's Design in Creation v. Secularism & Evolution
- **Scripture Memorization**
- **Christian Fiction**
  - o *The Chronicles of Narnia* (Books 4-7) - An basic theological analysis of C.S. Lewis's theology through the lens of Christian fiction/fantasy

**Areas to be Evaluated:** Tests, Quizzes, Homework/Classwork, Projects

## **COURSE DESCRIPTION**

### **SEVENTH GRADE LANGUAGE ARTS**

**Philosophy Statement:** Language is recognized as a God-given gift. Teaching reading, writing, grammar, spelling, and vocabulary empowers students to communicate effectively with others and with God. Students will have the ability and opportunity to express themselves creatively, preparing them for future endeavors.

**Objectives:** Using a variety of articles, short stories, novels, and other sources, students will develop an awareness of basic literary devices and comprehension strategies, i.e. annotating text. In writing and grammar, students will develop and grow in their writing styles by implementing the Evidence Based Writing (EBW) strategy. The EBW is a standards based writing approach that aligns with the students' grade level state standards. The writing will focus on taking evidence from a source to support a claim/thesis. Students will be expected to write well-constructed sentences that incorporate unit vocabulary.

**Textbooks:** Prentice Hall Literature, Grade 7 (Pearson Prentice Hall)  
Wordly Wise 3000, Fourth Edition, Grade 7 (Educators Publishing Service)  
Easy Grammar Plus (Wanda C. Phillips)  
Evidence Based Writing (EB Academics)

**Resources:** Teacher Resource Book/Materials Provided by Teacher  
Renaissance Learning (STAR and AR)  
Read Theory - Online Reading Platform  
IXL.com - Digital Grammar/Vocabulary Practice

**Novels:** Crispin: The Cross of Lead (Avi)  
Crash (Jerry Spinelli)  
A Long Walk To Water (Linda Sue Park)

**Materials:** Student textbooks/Writing Guides/English Archive

**Course Content:** Literature/Grammar/Class Novels/Spelling/Vocabulary/Writing  
Examples: *Annotation, Opinion, Argumentative, Informational, Narrative, Literary Analysis*

**Areas to be Evaluated:** Writing, Grammar, Spelling/Vocabulary, and Reading



## **COURSE DESCRIPTION**

### **SEVENTH GRADE SCIENCE**

**Philosophy Statement:** Biblical science is the study of God's creation. God has revealed Himself in two ways: through the Bible and through creation. In Creation, God's eternal power and divine nature are clearly perceived, and God has mandated that we investigate, explore, appreciate, and care for God's Creation. In this way, we come to understand our Creator better in the process.

**Objective:** Students will study various fields of life science including: cell biology; biological energy; asexual reproduction; genetics; natural selection; biological evidences for evolution; fossils; evolution and geology, including plate tectonics; early earth life; human body systems and functions: musculoskeletal system, circulatory system, pressure, vision and light, hearing and sound. Students will explore human body systems through activities and dissections. In regards to evolution, students will be presented both a secular humanist and biblical perspective on the origin of life on earth. Students will participate in lab experiments, in whole group instruction, in cooperative learning groups, in individual research and presentations. Students will also conduct a science fair project involving research and experimentation, and present their projects during the school science fair in the spring which will be part of their overall science grade.

**Textbook:** Focus on Life Science (Glencoe Science)

**Units of Study:** Cell Biology  
Reproduction and Genetics  
Evolution (with Creation Component)  
Living System: Structures and Functions

**Areas to be Evaluated:** Tests, Quizzes, Classwork/Homework, Labs

**COURSE DESCRIPTION**  
**SEVENTH GRADE**  
**WORLD HISTORY**

**Philosophy Statement:** Social Studies reveals God's sovereign plan through humanity's interaction with nature, social institutions, and community. It is through the understanding of these interactions that students evaluate the patterns of the past in order to work to fulfill God's Kingdom here on Earth.

**Objectives:** The students will explore world history throughout the medieval and early modern era through the use of reading, writing, discussion, research, and participation in projects. They will examine the physical and cultural geography of the world and how they relate. In addition, students will also examine the virtues which constitute good character and good citizenship.

**Textbook:** Discovering Our Past: Medieval and Early Modern Times (Glencoe)  
Daily Geography (Great Source)

**Materials:** Daily Geography/Maps and Charts

**Course Content:** Geography Tools  
Unit 1: New Empires and New Faiths  
Unit 2: The Middle Ages  
Unit 3: A Changing World

**Areas to be evaluated:** Homework/Classwork, Quizzes, Projects, and Tests

**Test Corrections:** Students are encouraged to make test corrections within a given time to receive  $\frac{1}{4}$  of the value back per question.

## **COURSE DESCRIPTION EIGHTH GRADE BIBLE**

**Philosophy Statement:** The Bible is God's inspired word and the foundation of the Christ-centered life. Through careful study, meditation, and memorization of Scripture, we will grow, by God's grace, in faith and love as the Holy Spirit sanctifies us more and more into the image of His Son, Jesus Christ. Furthermore, we will develop and learn to defend a Christian worldview, and identify and walk according to God's will for our lives. The fruit of scriptural study will be "that the man of God will be complete, equipped for every good work." 2 Timothy 3:17

**Objectives:** Students will come to understand scripture and scriptural principles as a whole. Students will come to see the fulfillment of God's redemptive purpose in the New Testament through the life, death, and resurrection of Jesus Christ. Students will understand the teaching ministry of Jesus, His substitutionary death, and His ascension to glory. This year, students will study the book of Hebrews in-depth, and, time permitting, additional New Testament books. Students will also study Apologetics (defense of the Christian faith) and Worldview, and students will continue to memorize key verses and passages of Scripture.

**Textbook:** Bible (English Standard Version)

### **Course Content:**

- **Theology/Bible:**
  - Systematic Theology
    - Drawing from Wayne Grudem's Systematic Theology, students will come away knowing the essential Christian doctrines and beliefs.
- **Apologetics**
  - Introduction to Logic
  - New Testament Canon
  - New Testament Reliability
  - Comparative (World) Religions
  - *Does God Exist?:* A curriculum from Focus on the Family
- **Scripture Memorization**

**Areas to be Evaluated:** Tests (Over Bible Exposition)  
Quizzes (Bible Memorization)  
Homework/Classwork (Daily Reinforcement on Class Lessons)  
Projects

## **COURSE DESCRIPTION EIGHTH GRADE LANGUAGE ARTS**

**Philosophy Statement:** Language is recognized as a God-given gift. Teaching reading, writing, grammar, spelling, and vocabulary empowers students to communicate effectively with others and with God. Students will have the ability and opportunity to express themselves creatively, preparing them for future endeavors.

**Objectives:** Using a variety of articles, short stories, novels, and other sources, students will develop an awareness of basic literary devices and comprehension strategies, i.e. annotating text. In writing and grammar, students will develop and grow in their writing styles by implementing the Evidence Based Writing strategy. The EBW is a standards-based writing approach that aligns the students' grade level state standards. The writing will focus on taking evidence from a source to support a claim/thesis. Students will be expected to write well-constructed sentences that incorporate unit vocabulary.

**Textbooks:** Prentice Hall Literature, Grade 8 (Pearson Prentice Hall)  
Wordly Wise 3000, Fourth Edition, Grade 8 (Educators Publishing Service)  
Writing Pathways (Lucy Calkins)  
Balanced Writing Approach (EB Academics)  
IXL - Online English Platform  
Read Theory - Online Reading Platform

**Novels:** The Outsiders (S.E. Hinton)  
The Giver (Lois Lowry)  
The Hiding Place (Corrie Ten Boom)

**Materials:** Student textbooks/English Notebook

**Course Content:** Literature/Grammar/Literature/Class Novels/Vocabulary/Writing  
Examples: Annotation, *Opinion*, *Argumentative*, *Informational*, *Narrative*,  
*Literary Analysis*

**Areas to be Evaluated:** Reading, Grammar, Spelling/Vocabulary, Writing

## **COURSE DESCRIPTION**

### **EIGHTH GRADE SCIENCE**

**Philosophy Statement:** Biblical science is the study of God's creation. God has revealed Himself in two ways: through the Bible and through creation. In Creation, God's eternal power and divine nature are clearly perceived, and God has mandated that we investigate, explore, appreciate, and care for God's Creation. In this way, we come to understand our Creator better in the process.

**Objectives:** Students will study various fields of physical science including: motion; density; pressure; buoyancy; the parts of an atom, elements, isotopes and ions; the Periodic Table; chemical properties and change; solutions; acids; bases; carbon compounds; the Solar System; galaxies. Students will participate in lab experiments, in whole group instruction, in cooperative learning groups, in individual research and presentations. Students will also conduct a science fair project involving research and experimentation, and present their projects during the school science fair in the spring.

**Textbook:** Focus on Physical Science (Glencoe Science)

**Units of Study:** The Structure of Matter (Chemistry)  
Motion and Force (Physics)  
Solar System, Stars and Space (Astronomy)

**Areas to be Evaluated:** Tests (Chapter)  
Quizzes (Lessons)  
Classwork/Homework (Daily; Binder; Notes)  
Labs (including Science Fair)

**COURSE DESCRIPTION**  
**EIGHTH GRADE**  
**AMERICAN HISTORY**

**Philosophy Statement:** Social Studies reveals God's sovereign plan through humanity's interaction with nature, social institutions, and community. It is through the understanding of these interactions that students evaluate the patterns of the past in order to work to fulfill God's Kingdom here on Earth.

**Objectives:** The students will explore a chronological account of our nation's history from America's discovery through the beginning of World War I; and discover proper ways to interact with the government and be a responsible citizen.

**Textbook:** Discovering Our Past: The American Journey (Glencoe)

**Course Content:** Unit 1:A Changing World  
Unit 2:Creating a Nation  
Unit 3:Launching the Republic  
Unit 4:The Young Republic  
Unit 5:Civil War and Reconstruction  
Unit 6:Reshaping the Nation

**Areas to be Evaluated:** Classwork/Homework, Tests, Quizzes, Projects

**Test Corrections:** Students are encouraged to make test corrections within a given time to receive ¼ of the value back per question.

## **COURSE DESCRIPTION SIXTH GRADE MATH COURSE 1**

**Philosophy Statement:** Mathematics instruction has four main functions. First, it equips students to function effectively in an ever-changing world by becoming proficient in computational and communication skills. Second, it enables students to understand and apply mathematical concepts in everyday life. Third, it develops higher-order thinking skills necessary to make a contribution in related fields of study, research, and technology. Finally, it clearly illustrates the order and structure of the world God created.

**Objectives:** Students will solve problems using positive and negative numbers, percent and positive irrational numbers. They will write and solve equations, draw diagrams, measure, find patterns, and analyze data. In addition, students will continue to develop study skills, including note-taking, test-taking, and use of their notebook.

**Textbook:** *Reveal Math Course 1*  
(McGraw Hill)  
IXL - Online Math Platform

**Course Content:**

- Module 1: Ratios and Rates
- Module 2: Fractions, Decimals, and Percents
- Module 3: Compute with Multi-Digit Numbers and Fractions
- Module 4: Integers, Rational Numbers, and the Coordinate Plane
- Module 5: Numerical and Algebraic Expressions
- Module 6: Equations and Inequalities
- Module 7: Relationships Between Two Variables
- Module 8: Area
- Module 9: Volume and Surface Area
- Module 10: Statistical Measures and Displays

**Areas to be Evaluated:** Classwork, Homework, Tests, Quizzes

## **COURSE DESCRIPTION SIXTH/SEVENTH GRADE MATH COURSE 2**

**Philosophy Statement:** Mathematics instruction has four main functions. First, it equips students to function effectively in an ever-changing world by becoming proficient in computational and communication skills. Second, it enables students to understand and apply mathematical concepts in everyday life. Third, it develops higher-order thinking skills necessary to make a contribution in related fields of study, research, and technology. Finally, it clearly illustrates the order and structure of the world God created.

**Objectives:** Students will solve problems using positive and negative numbers, percent and positive irrational numbers. They will write and solve equations, draw diagrams, measure, find patterns, and analyze data. In addition, students will continue to develop study skills, including note-taking, test-taking, and the correct use of the answers given in the back of the textbook.

**Textbook:** Reveal Math: Course 2 Volume 1, Volume 2 and parts of Accelerated Math  
(McGraw Hill)

**Course Content:**

Module 1:	Proportional Relationships
Module 2:	Solve Percent Problems
Module 3:	Operations with Integers
Module 4:	Operations with Rational Numbers
Module 5:	Simplify Algebraic Expressions
Module 6:	Write and Solve Equations
Module 7:	Write and Solve Inequalities
Module 8:	Geometric Figures
Module 9:	Measure Figures
Module 10:	Probability
Module 11:	Sampling and Statistics
Module 12:	Geometry: Measuring Three-Dimensional Figures
Accelerated Math Module 13:	
Accelerated Math Module 9:	
Accelerated Math Module 4:	

### **Areas to be Evaluated:**

Classwork, Homework, Tests, IXL (Interactive Internet Math Program)

**Test Corrections:** Students are encouraged to make test corrections within a given time to receive  $\frac{1}{4}$  of the value back per question.



## **COURSE DESCRIPTION**

### **Math Course 3**

**Philosophy Statement:** Mathematics instruction has four main functions. First, it equips students to function effectively in an ever-changing world by becoming proficient in computational and communication skills. Second, it enables students to understand and apply mathematical concepts to situations in life. Third, it develops higher-order thinking skills necessary to make a contribution in related fields of study, research, and technology. Finally, it clearly illustrates the order and structure of the world God created.

**Objectives:** Students will know the properties of, and compute with, rational numbers expressed in a variety of forms. Students will read, write and compare rational numbers, and understand how to differentiate between rational and irrational numbers. Students will calculate with percentages, factors, work with permutations and combinations, multiply and divide exponential values, and represent quantitative values graphically and formulaically. Students will calculate the surface area of three-dimensional objects, and calculate the area and volume of two- and three-dimensional shapes. Students will distinguish between linear and nonlinear functions. Students will use and manipulate Pythagorean Theorem to deepen their understanding of the attributes of figures. Students will begin to utilize the quadratic equation and understand quadratic systems in plotting linear and nonlinear functions on a coordinate plane.

**Textbook:** Reveal Math Course 3: McGraw Hill

#### **Units of Study:**

- Module 1: Exponents and Scientific Notation
- Module 2: Real Numbers
- Module 3: Solve Equations with Variables
- Module 4: Linear Relationships and Slope
- Module 5: Functions
- Module 6: Systems of Linear Equations
- Module 7: Triangles and Pythagorean Theorem
- Module 8: Transformations
- Module 9: Volume
- Module 10: Scatter Plots and Two-Way Table

**Areas to be evaluated:** Tests, Homework, Classwork, Quizzes (these are considered classwork and are open notes)

## **COURSE DESCRIPTION**

### **ALGEBRA**

**Philosophy Statement:** Mathematics instruction has four main functions. First, it equips students to function effectively in an ever-changing world by becoming proficient in computational and communication skills. Second, it enables students to understand and apply mathematical concepts in everyday life. Third, it develops higher-order thinking skills necessary to make a contribution in related fields of study, research, and technology. Finally, it clearly illustrates the order and structure of the world God created.

**Objectives:** Students will learn first-year algebra. They will use concepts learned on real-world applications with discipline and creative problem solving.

**Textbook:** Reveal Math: McGraw Hill

**Units of Study:**

- Module 1: Expressions
- Module 2: Equations in One Variable
- Module 3: Relations and Functions
- Module 4: Linear and Nonlinear Functions
- Module 5: Creating Linear Equations
- Module 6: Linear Inequalities
- Module 7: Systems of Linear Equations and Inequalities
- Module 8: Exponents and Roots
- Module 9: Exponential Functions
- Module 10: Polynomials
- Module 11: Quadratic Functions
- Module 12: Statistics

**Areas to be Evaluated:**

- Tests (Chapter)
- Quizzes (Occasional; Pop)
- Homework (Daily Bookwork,)
- Classwork (Bellringers, Notes)

## **COURSE DESCRIPTION**

### **GEOMETRY**

**Philosophy Statement:** Mathematics instruction has four main functions. First, it equips students to function effectively in an ever-changing world by becoming proficient in computational and communication skills. Second, it enables students to understand and apply mathematical concepts in everyday life. Third, it develops higher-order thinking skills necessary to make a contribution in related fields of study, research, and technology. Finally, it clearly illustrates the order and structure of the world God created.

**Objectives:** Students will know the properties of, and compute with, rational numbers expressed in a variety of forms. Students will read, write and compare rational numbers, and understand how to differentiate between rational and irrational numbers. Students will calculate with percentages, factors, work with permutations and combinations, multiply and divide exponential values, and represent quantitative values graphically and formulaically. Students will calculate the surface area of three-dimensional objects, and calculate the area and volume of two- and three-dimensional shapes. Students will distinguish between linear and nonlinear functions. Students will use and manipulate Pythagorean Theorem to deepen their understanding of the attributes of figures. Students will begin to utilize the quadratic equation and understand quadratic systems in plotting linear and nonlinear functions on a coordinate plane.

**Textbook:** Reveal Geometry: McGraw Hill

#### **Units of Study:**

- Module 1: Tools of Geometry
- Module 2: Angles and Geometric Figures
- Module 3: Logical Arguments & Line Relationships
- Module 4: Transformations & Symmetry
- Module 5: Triangles & Congruence
- Module 6: Relationships in Triangles
- Module 7: Quadrilaterals
- Module 8: Similarity
- Module 9: Right Triangles & Trigonometry
- Module 10: Circles
- Module 11: Measurement
- Module 12: Probability

**Areas to be evaluated:** Tests, Homework, Classwork, Quizzes (these are considered classwork and are open notes)

## **COURSE DESCRIPTION**

### **Algebra II**

**Philosophy Statement:** Many students and parents have a distaste for math. Students will not only learn the methods in math but also learn from a teacher who promotes the desire to learn more and find the fun in problem solving. Students will find the joy in what God has created while using higher levels of critical thinking.

**Objectives:** Algebra 2 develops conceptual understanding, fluency, and ability to apply advanced functions. Students draw connections between function types and apply skills learned early in the year with linear, quadratic, and polynomial functions to inform their understanding. This translates into a better understanding of rational, radical, and trigonometric functions as they progress through the course. Students will choose appropriate functions and restrictions, based on solid understanding of the features they see in functions, to build accurate models of contextual situations. Fluency is an important part of this course, as the ability to perform procedures quickly and easily allows students to more deeply understand concepts.

**Textbook:** EnVision Algebra 2: Savvas with Supplements

**Units of Study:**

- Module 1: Equations & Inequalities
- Module 2: Linear Functions & Systems
- Module 3: Parent Functions & Transformations
- Module 4: Quadratic Equations & Complex Numbers
- Module 5: Polynomial Functions
- Module 6: Radical Functions
- Module 7: Exponential & Logarithmic Functions
- Module 8: Rational Functions
- Module 9: Conic Sections
- Module 10: Sequences and Series
- Module 11: Probability & Statistics
- Module 12: Trigonometry

**Areas to be evaluated:** Tests, Homework, Classwork, Quizzes (these are considered classwork and are open notes)

## Encore Class Selections 2023-2024

**Classes meet at 2-3pm Mon.+Thur. and Tues.+Fri.**

**Instructions for selecting Encore class Preferences:**

- Read over course descriptions and take note of which classes are offered each quarter.
- Fill out the Preference Google form by Thursday, August 24th. [Encore Preference Form](#)
  - If form is not completed, placements will be made solely on class availability.

**\*NOTE\* Quarter 1 Encore assignments will be posted by August 26th.**

Quarter 1 - Aug. 24th - Oct. 21st	
Monday- Thursday	Tuesday - Friday
<b>Graphic Design - Mrs. Rudio MC234 (VA)</b> Exploring the fundamental principles of design elements. This will include principles of layout, composition, typography, color, and shape. Projects will include logo design, business branding, product box prototype, and magazine cover.	<b>Spanish I - Mr. Northrop MC232 (FL)</b> This class will be an introductory/continuation course in the Spanish language. The foundation of the language's structure, along with the essential vocabulary and communication basics, will be addressed and strengthened. By the end of the semester, the goal for students is to communicate effectively in Spanish in various real-life situations.
<b>Ukulele 1 - Mr. Northrop MC232 (M)</b> This class will be a strumming good time! Students will learn the basics of music reading, rhythmic functions, and general musicianship all through the use of the Ukulele. Ukuleles are provided for the duration of the class or students can bring their own.	<b>Art - Mrs. Rudio MC234 (VA)</b> Introduction to art principles, techniques, and exploring a variety of media including: Sketching, Painting, Clay, 3-D work, Collage and Mixed Media. Select students will be chosen to participate in the ACSI Art Festival.
<b>Foundations in Personal Finance - Mrs. Spinelli MC 235</b> Introduces personal finance concepts; explores what it means to be smart with money; emphasizes three reasons to save money; compares simple interest and compound interest; explains the purpose of a budget; identifies the difference between debit and credit cards; explores how to talk about money and money goals; and highlights the importance and benefits of giving and serving others.	<b>Library Class - (Q1, Q2, Q3, Q4) - Mrs. Johansen</b> This class will train students in the art of organization and categorization of books. Mrs. Johansen teaches students the ins and outs of running a library, including the use of technology in cataloging the books. Students will also assist with the weekly running and maintenance of the library.
Quarter 2 - Oct. 24th - Jan. 20th	
Monday - Thursday	Tuesday - Friday
<b>Graphic Design - Mrs. Rudio MC234 (VA)</b> Exploring the fundamental principles of design elements. This will include principles of layout, composition, typography, color, and shape. Projects will include logo design, business branding, product box prototype, and magazine cover.	<b>Art - Mrs. Rudio MC234 (VA)</b> Introduction to art principles, techniques, and exploring a variety of media including: Sketching, Painting, Clay, 3-D work, Collage and Mixed Media. Select students will be chosen to participate in the ACSI Art Festival.

<b>Fundamentals of Music - Mr. Northrop MC232 (M)</b> Experience music at a greater level of understanding and appreciation! This class will unlock your ears to the beautiful secrets that make up the world of music. Students will learn to thoughtfully speak and discuss music theory and the influence of music in society and history by focusing on listening skills and general musicianship. All are welcome. No formal music training required for this course.	<b>Intermediate Ukulele Class 1 - Mr. Northrop MC232 (M)</b> This class will be a strumming good time! Students will learn the basics of music reading, rhythmic functions, and general musicianship all through the use of the Ukulele. Ukuleles are provided for the duration of the class or students can bring their own.
<b>Foundations in Personal Finance - Mrs. Spinelli MC 235</b> (See Quarter 1)	
<b>VA = Visual Arts    C = Communication/Life Skill    M = Music</b>	
<b>Quarter 3(Junior High Musical) - Jan. 23rd – March 24th</b>	
<b>Monday - Thursday</b>	<b>Tuesday - Friday</b>
<b>Art - Mrs. Rudio MC234 (VA)</b> Introduction to art principles, techniques, and exploring a variety of media including: Sketching, Painting, Clay, 3-D work, Collage and Mixed Media. Select students will be chosen to participate in the ACSI Art Festival.	<b>Code Avengers - Mr. Northrop MC232 (C)</b> This is a self-paced, teacher guided online course through <a href="http://www.codeavengers.com">www.codeavengers.com</a> . We will explore the history of information technology, technology influence and application, and learn the basics of various coding languages, including Javascript, CSS, HTML, and Python.
<b>Music Appreciation - Mr. Northrop MC232 (M)</b> Dive into the vastness of musical styles from every era with this intensive listening experience as Mr. Northrop takes you on a aural trip into understanding one of the most amazing aspects of God’s creation, music. No previous, formal musical instruction is needed to enjoy this class.	<b>Graphic Design - Mrs. Rudio MC234 (VA)</b> Exploring the fundamental principles of design elements. This will include principles of layout, composition, typography, color, and shape. Projects will include logo design, business branding, product box prototype, and magazine cover.
<b>Quarter 4 - March 27th - June 3rd</b>	
<b>Monday - Thursday</b>	<b>Tuesday - Friday</b>
<b>Art - Mrs. Rudio MC234 (VA)</b> Introduction to art principles, techniques, and exploring a variety of media including: Sketching, Painting, Clay, 3-D work, Collage and Mixed Media. Select students will be chosen to participate in the ACSI Art Festival.s.	<b>Drumline - Mr. Northrop MC232 (M)</b> The Percussion Ensemble / Drumline offers students a well-rounded approach to learning percussion instruments and building musicianship. Students will have the opportunity to hone their skills on multiple percussion instruments including snare drum, bass drum, and auxiliary instruments. Be prepared to paradiddle, ruff, drag, flam and roll your way through a quarter of music fun!

<b>Spanish II - Mr. Northrop MC232 (FL)</b> This class is a continuation course in the Spanish language. The foundation of the language's structure, along with the essential vocabulary and communication basics, will be addressed and strengthened. By the end of the semester, the goal for students is to communicate effectively in Spanish in various real-life situations.	<b>Art - Mrs. Rudio MC234 (VA)</b> Introduction to art principles, techniques, and exploring a variety of media including: Sketching, Painting, Clay, 3-D work, Collage and Mixed Media. Select students will be chosen to participate in the ACSI Art Festival.
<b>Creative Writing - Mrs. Spinelli MC235 (C)</b> An introduction to fictional writing and exploring the narrative process of telling a story. This will include an emphasis on discovering the plot, character development, and vivid descriptive writing. Writing projects will include poetry, short stories, play scenes, and fictional news reports.	
<b>VA = Visual Arts      C = Communication/Life Skill      M = Music</b>	

Bethany Christian School is excited to offer some wonderful Encore classes this year! Please keep in mind that the students will be placed based on their seniority, interest, and cumulative Encore experience. Class offerings are subject to change based on overall interest.

### Encore Course Descriptions

- Read over course descriptions, and take note of which classes are offered each quarter.
- This list is for your information, please fill out the google form link in the email with your top choices for each Quarter.

#### Visual Arts

**Graphic Design (Q1-Q3) - Mrs. Rudio**

Exploring the fundamental principles of design elements. This will include principles of layout, composition, typography, color, and shape. Projects will include logo design, business branding, product box prototype, and magazine cover.

**Art (All Quarters) - Mrs. Rudio**

Introduction and continuation in art principles, techniques, and exploring a variety of media including: Sketching, Painting, Clay, 3-D work, Collage and Mixed Media. Select students will be chosen to participate in the ACSI Art Festival.

#### Communication/Life Skills

**Creative Writing (Q4)- Mrs. Spinelli**

An introduction to fictional writing and exploring the narrative process of telling a story. This will include an emphasis on discovering the plot, character development, and vivid descriptive writing. Writing projects will include poetry, short stories, play scenes, and fictional news reports.

**Spanish I and II (Q1, Q4) - Mr. Northrop**

These classes will be introductory/continuation courses in the Spanish language and culture. The foundation of the language's structure, along with the essential vocabulary and communication basics, will be addressed and strengthened. Students will practice their written, oral, and auditory skills in Spanish. By the end of the semester, the goal for students is to communicate effectively in Spanish in various real-life situations.

**Communication (con.)****Code Avengers (Q3)- Mr. Northrop**

This is a self-passed, teacher guided online course through [www.codeavengers.com](http://www.codeavengers.com). We will explore the history of information technology, technology application, and learn the basics of various coding languages, including javascript, CSS, HTML, and python.

**Foundations in Personal Finance (Q1,Q2) - Mrs. Spinelli MC 236**

Introduces personal finance concepts; explores what it means to be smart with money; emphasizes three reasons to save money; compares simple interest and compound interest; explains the purpose of a budget; identifies the difference between debit and credit cards; explores how to talk about money and money goals; and highlights the importance and benefits of giving and serving others.

**Library Class - (Q1, Q2, Q3, Q4) - Mrs. Johansen**

This class will train students in the art of organization and categorization of books. Mrs. Johansen teaches students the ins and outs of running a library, including the use of technology in cataloging the books. Students will also assist with the weekly running and maintenance of the library.

**Musical Arts**



**Drumline (Q4) - Mr. Northrop**

The Percussion Ensemble / Drumline offers students a well-rounded approach to learning percussion instruments and building musicianship. Students will have the opportunity to hone their skills on multiple percussion instruments including snare drum, bass drum, and auxiliary instruments. Be prepared to paradiddle, ruff, drag, flam and roll your way through a quarter of music fun!

**Beginning and Intermediate Ukulele Classes (Q1 - Q2) - Mr. Northrop**

These classes will be a strumming good time! Students will learn the basics of music reading, rhythmic functions, and general musicianship all through the use of the Ukulele. Ukuleles are provided for the duration of the class or students can bring their own.

**Fundamentals of Music (Q2)- Mr. Northrop**

Experience music at a greater level of understanding and appreciation! This class will unlock your ears to the beautiful secrets that make up the world of music. Students will learn to thoughtfully speak and discuss music theory and the influence of music in society and history by focusing on listening skills and general musicianship. All are welcome. No formal music training required for this course.

**Music Appreciation (Q3)- Mr. Northrop**

Dive into the vastness of musical styles from every era with this intensive listening experience as Mr. Northrop takes you on a aural trip into understanding one of the most amazing aspects of God's creation, music. No previous, formal musical instruction is needed to enjoy this class.