

# 9th - 12th grades

Textbooks are subject to change. To order books, please visit the links, if applicable, that are found under each individual course description. A Student Class Resource Fee of \$75 per student (maximum \$225 per family) will be due at Family Orientation and should be payable to Grace Academy.

## Course Descriptions

### Advanced Functions / Modeling Honors (11-12) – 4 Days

AFM is a course that expands on Algebra II concepts, focusing on advanced polynomial, rational, exponential, and logarithmic functions. Students will use these functions to model and solve real-world problems involving personal finance, population growth, disease spread, and business pricing. It is often a final math course for students not planning to enter a calculus track.

This course prepares students for Precalculus Honors (if needed) or entry-level college math courses.

#### Textbook

Blitzer Intermediate Algebra by Robert Blitzer (will be provided)

#### Required Supplies

- 1.5" 3-ring binder
- Paper
- Pencils
- Graph paper
- Graphing calculator (TI-84 required)

### Algebra I (9-10) – 4 Days

This is a concentrated course which will involve the mastery of various math concepts including operations with real numbers, solving equations and inequalities, polynomials, exponential operations, factoring, functions, systems of equations and inequalities, scatter plots, linear equations, and quadratic equations.

This course prepares students for Geometry Standard or Geometry Honors, based on recommendation.

#### Textbook

[Algebra I](#) – McDougal Littell – A Houghton-Mifflin Company (978-0-618-59402-3)

#### Required Supplies

- 1" 3-ring binder
- 2 tab dividers
- Pens
- Paper
- Pencils
- Scientific calculator (TI-84 graphing calculator is highly recommended but not required)
- Graph paper
- 1 dry erase marker

### Algebra II (10-12) – 4 Days

Algebra II builds on Algebra I with advanced topics like quadratics, polynomials, rational expressions, exponents, logarithms, matrices and imaginary numbers. The pace focuses on skill-building and practical application to ensure students are prepared for college readiness, including standardized SAT/ACT testing.

This course prepares students for Advanced Functions/Modeling.

#### Textbook

[Algebra II 2007](#) – McDougal Littell – A Houghton-Mifflin Company (978-0-618-59541-9)

[Practice Workbook Algebra II](#) – McDougal Littell – A Houghton-Mifflin Company (978-0-618-73696-6)

#### Required Supplies

- Graphing calculator TI 84 (required)
- 1" 3-ring binder
- 3 tab dividers
- Loose-leaf paper
- Graph paper
- Pencils

### Algebra II Honors (10-12) – 4 Days

Algebra II Honors is a rigorous, fast-paced course designed for highly motivated students with a strong foundation in Algebra I and Geometry. The curriculum is the same in both Algebra II courses, but this course engages students with more challenging, multifaceted problems.

This course prepares students for Precalculus Honors.

#### Textbook

[Algebra II 2007](#) – McDougal Littell – A Houghton-Mifflin Company (978-0-618-59541-9)

[Practice Workbook Algebra II](#) – McDougal Littell – A Houghton-Mifflin Company (978-0-618-73696-6)

#### Required Supplies

- Graphing calculator TI 84 (required)
- 3-ring binder (2-inch, just for this course)
- Loose-leaf paper
- Graph paper (optional)
- Pencils

### American Government / Economics (11-12)

(Prerequisite: American History I & 11) – Students will develop an understanding of government through a study of our founding documents, the Constitution of the United States, the government of other countries and our government at a national, state and local levels. Through discussion and research, they will learn about the development of our political system. In economics, they will learn the basic economic principles, personal finance, global economy, and the issues that are facing American today, to prepare them for their adult life.

#### Textbook

[American Government](#), BJU Press, 4th edition

[Economics](#) 12th Grade Student text, BJU Press 3rd edition

### **Required Supplies**

- 1" 3 ring binder
- Blue or black ink pens
- Highlighter

## **American Government / Economics Honors (11-12)**

(Prerequisite: American History) – Students will develop an understanding of government through a study of our founding documents, the Constitution of the United States, the government of other countries and our government at a national, state and local levels. Through discussion and research, they will learn about the development of our political system. In economics, they will learn the basic economic principles, personal finance, global economy, and the issues that are facing American today, to prepare them for their adult life. Through additional reading, term papers and oral presentations, these students will learn the structure and importance of our government and economy.

### **Textbook**

[American Government](#), BJU Press 4th edition

[Economics](#), BJU Press 3rd edition

Additional readings will be assigned in class.

### **Required Supplies**

- 1" 3 ring binder or subject notebook
- Blue or black ink pen
- Highlighter

## **American History I (10-11)**

Students will study the story of America from a Christian world-view beginning the pre-colonization period and ending with the Civil War Era. Using primary sources, discussion, and research, they will analyze historical themes, compare and contrast historical events, and learn to think critically about the past. Through papers, presentations, and other hands on activities, the importance of our American history will be impressed on the students to prepare them for their next courses and education.

### **Textbook**

[United States History](#)– BJU Press 5th Edition (9781628562071)

### **Required Supplies**

- 1" 3 ring binder
- Blue or black ink pens
- Highlighter

## **American History I Honors (10-11)**

Students will study the story of America from a Christian world-view beginning the pre-colonization period and ending with the Civil War Era. Using primary sources, discussion, and research, they will analyze historical themes, compare and contrast historical events, and learn to think critically about the past. Through papers, presentations, and other hands on activities, the importance of our American history will be impressed on the students to prepare them for their next courses and education. This course is fast-paced, participation-enriched, and focused on understanding the historical happenings and their impact then and now.

### **Textbook**

[United States History](#)– BJU Press 5th Edition (9781628562071)

### **Required Supplies**

- 1" 3 ring binder
- Blue or black ink pens
- Highlighter

## **American History II (10-12)**

Students will continue the story of America from a Christian world-view beginning with the Reconstruction era. This course will cover the historical facts of our history as well as how God has moved in our nation. Using primary source documents, we will analyze historical themes, compare and contrast historical events, and learn to think critically about the past. We will start our journey with Reconstruction and end with Desert Storm and the Middle East exploring how the past has forged the America of today.

### **Textbook**

[United States History](#)– BJU Press 5th Edition (9781628562071)

### **Required Supplies**

- 1" 3 ring binder
- Blue or black ink pens
- Highlighter

## **American History II Honors (10-12)**

Students will continue the story of America from a Christian world-view beginning with the Reconstruction era, and continuing through the Middle East/Desert Storm Era. Using primary sources, discussion, and research, the student will analyze historical themes, compare and contrast historical events and learn to think critically about the past. Through papers, presentations and other hands on activities, the importance of our American history will be impressed on the students to prepare them for their next courses and education. This course is fast-paced, participation-enriched, and focused on understanding the historical happenings and their impact to then and now.

### **Textbook**

[United States History](#)– BJU Press 5th Edition (9781628562071)

### **Required Supplies**

- 1" 3 ring binder
- Blue or black ink pens
- Highlighter

## **Art 3D**

This is a studio course emphasizing experimentation of form and space in three dimensions. The elements and principles of design will be stressed in all projects. Projects will focus on creating sculptures using different types of materials such as: clay, wire, paper mache, plaster and recyclables. We will discuss well-known artists with each project. Sketches will be required in preparation for projects. Students will learn to complete projects that start with an initial idea, complete mock-ups and final assembly. Students will require to research and deliver a presentation on an artist of their choice, approved by the teacher.

### **Required Supplies**

- 50-75 page spiral bound sketchbook
- 2 glue sticks
- 1 bottle of Elmer's glue
- 1 roll of 1.41 inch Lime Green Scotch Rough Surface Extra Strength Painters Tape
- 2 black sharpies
- Folder
- Loose leaf paper

### **Art Foundations**

This is a studio course emphasizing improvement on perception skills as well as drawing and painting skills used in two dimensional art. The elements and principles of design will be stressed in various projects. The projects are structured around drawing, painting, and printmaking and mixed media units. Well-known artists and their works are studied with each unit. Students will also learn and practice the formal steps of critique. A sketchbook will be kept throughout the year. Students will be required to research and deliver a presentation on an artist of their choice, approved by teacher.

### **Textbook**

[Art Talk- 2<sup>nd</sup> Edition](#)– Glencoe/McGraw-Hill School Publishers (9780026402958)

### **Required Supplies**

- 100-page spiral bound sketchbook (suitable for wet and dry work)
- 2 black sharpies (one fine and one medium)
- 2 #2 pencils (no mechanical)
- 1 handheld sharpener
- Assortment of drawing pencils (F, HB, 2B, 4B, 6B for example)
- 1 roll of 1.41 inch Lime Green Scotch Rough Surface Extra Strength Painters Tape
- Optional: Your own set of prism colored pencils and variety of paintbrushes.

### **Bible In Focus**

In Bible in Focus, students will dive into the Old Testament and New Testament. This class is designed to help students better understand all parts of the Bible while encouraging them and assisting them to grow closer to Christ. Students will better understand both the Old Testament and New Testament, starting at the beginning and working through the

Bible to the end. Through hands-on activities, independent studies, gospel centered conversation, and scripture memory, students will grow in their hunger for Christ while deepening their knowledge of His Word.

### **Textbook**

[Everyday Theology-Teen Bible Study Book: What You Believe Matters](#)

### **Biology (9-10)**

This course provides a detailed introduction to the concepts, methods, and application of general biology. Emphasis is placed on practical understanding of the vocabulary of biology. It provides the student with a strong background in the scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. This course includes laboratories and dissections.

### **Textbook**

[Biology](#) – BJU Press – (9781646261116)

### **Required Supplies**

- 1" 3-ring binder for science only
- Tab dividers
- Notebook paper
- Pencils
- Colored pencils

### **Biology Honors (9-10)**

This class is a college-prep introductory study of life according to God's wonderful creation. In this honors course, students will study the five kingdoms of organisms, cellular structure and functions, Mendelian genetics, evolution, and molecular biology. Class time will be used for application of Biological concepts students have studied at home including laboratory work with microscopes and animal dissections. Additional projects and research papers will be used to do in-depth studies of various concepts. All students will be required to develop and conduct a scientific project for the Science Fair.

### **Textbook**

[Biology](#) – BJU Press (9781646261116)

### **Required Supplies**

- 1" 3-ring binder for science only
- Tab dividers
- Notebook paper
- Pencils
- Colored pencils

### **Calculus Honors (11-12) – 4 Days**

Calculus is an introductory course covering core calculus topics including limits, continuity, differentiation rules, and applications of derivatives, as well as integration and its applications. Designed for college-bound students with a strong background in precalculus.

This course prepares students for success in college-level Calculus I or business mathematics courses.

### **Textbook**

[Calculus of a Single Variable, 8<sup>th</sup> Edition](#) by Larson, Hostetler, and Edwards -McDougal Littell – A Houghton-Mifflin Company (978-0618503049)

### **Required Supplies**

- 3-ring binder (2-inch, just for this course)
- Loose-leaf Paper
- Pencils
- Graph paper (optional)
- Graphing calculator (TI-84 required)

### **Chemistry (11-12)**

(Prerequisite: Algebra I, Biology & Earth Science) – This physical science course gives high school students a foundation in Chemistry. Students will learn about the chemical make-up of their world through laboratory experiments, hands-on instruction, and problem-solving skills.

### **Textbook**

[Chemistry](#) – BJU Press 5th Edition

### **Required Supplies**

- Scientific calculator
- Binder or folder
- Loose-leaf paper
- Scissors
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## Chemistry Honors (11-12)

(Prerequisite: Biology, Earth Science and have taken Algebra II) – This physical science course gives high school students a foundation in Chemistry. Students will learn about the chemical make-up of their world through laboratory experiments, hands-on instruction, and problem-solving skills. This course is more in depth than the standard course and will include class tests and in class exercises. This course will benefit students who are interested in pursuing a career in the math/science field, as it is a more extensive coverage of the Chemistry curriculum. All students will be required to develop and conduct a scientific project for the Science Fair.

### **Textbook**

[Chemistry](#) – BJU Press 5th edition;

### **Required Supplies**

- Scientific calculator
- Binder or folder
- Loose-leaf paper
- Scissors
- 

## Christian Growth (Boys)

What does it mean to be a disciple of Christ or to be a man of God? This course is specifically designed to help young men gain a better understanding of the teachings of the faith, while encouraging them to grow closer to Christ and equipping them to live as Godly men in today's modern world.

### **Textbook**

[Manual to Manhood](#) by Jonathan Catherman

Bible – (any full version will be fine)

## Christian Growth (Girls)

Students will discover who they are in Christ and discover the radiant beauty and power of God in their lives. Through hands-on activities and honest, relevant conversations centered on biblical truths, students will grow in their hunger and thirst for Christ in a loving and encouraging environment.

### **Textbook**

[Radiant](#) by Priscilla Shirer (978-1-5359-4987-3)

[The Women of the Bible Speak](#) – Amazon (978-0063046597)

[The Women of the Bible Speak Workbook](#) – Amazon (978-0310155959)

[Bible](#) – ESV Student Study Bible

## Community Relations / Missions

How can we, as Christians, share our faith in the diverse, fast-paced culture of today's world? In a nation where people are becoming increasingly skeptical of religion and hostile toward Christianity, how can we fulfill our mission of being the salt of the earth? Community Relations/Missions is hands-on/discussion-based class, dedicated to answering these questions. To accomplish our goals we will study the history of Christian missions, explore both discipleship and evangelism, and serve together in various capacities. Come to class with open hearts and open minds as we face these challenges together! Note: Service projects are a required part of this class.

### **Textbook**

[Bible](#) – ESV Student Study Bible

### **Required Supplies**

- 1" 3-ring binder or multi subject notebook
- Loose leaf paper (if using binder)
- Pencils

## Computer

This course focuses on training students on the core concepts of general security, Internet safety, proficiency with Microsoft Office, teaching efficient research techniques, mastery of the iOS, MacOS, Linux, and Windows operating systems, and introducing students to computer programming using Java.

### **Required Supplies**

- At least 4 Gb Flash drive

## Computer Graphic Arts

Students will learn general graphic design techniques, photo editing, 3D modeling, and artistic composition by

use of Adobe Photoshop, Illustrator, and more.

### **Required Supplies**

- At least 4 Gb Flash drive

## Earth / Physical Science (9-10)

Students will discover and explore topics such as the atmosphere, the hydrosphere, weather, and structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity and astrophysics through a lab and project approach. Students will engage in hands-on experiments, interactive simulations, and group discussions to explore fundamental scientific concepts. Project-based learning will deepen the understanding of natural processes. Through these experiences, students will develop critical thinking, data analysis, and problem solving skills while making real-world connections to scientific principles.

### **Textbook**

[Exploring Creation with Physical Science, 2nd edition](#) – Apologia (978-1-932012-77-4) Textbook Only

### **Required Supplies**

- 1" 3-ring binder for science only, tab dividers, composition book for lab notebook, loose leaf paper, simple calculator, and colored pencils

## Earth / Physical Science Honors (9-10)

Students will discover and explore topics such as the atmosphere, the hydrosphere, weather, and structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity and astrophysics through a lab and project approach. Students will engage in hands-on experiments, interactive simulations, and group discussions to explore fundamental scientific concepts. Project-based learning will deepen the understanding of natural processes. Through these experiences, students will develop critical thinking, data analysis, and problem solving skills while making real-world connections to scientific principles. This honors course will include an additional project with each module that may include additional problems, a brief essay or lab report. All students will be required to develop a science project

for the Science Fair.

### **Textbook**

[Exploring Creation with Physical Science, 2nd edition](#) – Apologia (978-1-932012-77-4) Textbook Only

### **Required Supplies**

- 1 inch 3 ring binder for Science only
- tab dividers
- composition book for lab notebook
- loose leaf paper
- simple calculator
- colored pencils
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## **English I (9-10)**

This course focuses on both grammar and literature. Students will review capitalization and punctuation rules, as well as, grammatical structures that are necessary for composing sentences, paragraphs, and essays. There will also be a writing component, which will help students to edit their work and express ideas more effectively.

### **Textbook**

[Easy Grammar Ultimate Series 180 Daily Teaching Lessons-Grade 9](#)

Below are the links for each novel for English. Please purchase a new copy. The purpose is for class unity and for students to be able to annotate while studying each novel.

[A Christmas Carol](#) by Charles Dickens

[The Hobbit](#) by J.R.R. Tolkien

[White Fang](#) by Jack London

[Across Five Aprils](#) by Irene Hunt

### **Required Supplies**

- ½" 3-ring white binder
- Colored pencils

## **English I Honors (9-10)**

This course is designed to develop advanced reading, writing, and critical thinking skills. Students will explore a wide range of classic texts to deepen their understanding of literary elements, historical context, and thematic analysis. The course emphasizes analytical and creative writing, including essays, responses, and original compositions. In addition to written work, students will

refine their speaking and presentation skills through structured discussions and formal presentations.

### **Textbook**

[Easy Grammar Ultimate Series 180 Daily Teaching Lessons-Grade 9](#)– (978-0-936981-598)

Below are the links for each novel for English. Please purchase a new copy. The purpose is for class unity and for students to be able to annotate while studying each novel.

[The Best Poems of the English Language](#) by Harold Bloom

[The Hobbit](#) by J.R.R. Tolkien

[The Call of the Wild](#) by Jack London

[A Christmas Carol](#) by Charles Dickens

[God's Smuggler](#) The true story of Brother Andrew

### **Required Supplies**

- 1" 3-ring binder
- 5 tab dividers
- Composition book for journaling (no spiral notebooks)
- Colored Highlighters
- Pens/Pencils

## **English II (9-10)**

(Prerequisite: English I or equivalent) – This course consists of an extension of grammar learned in English I and a literature series. There will be a focus on editing skills to be used for essays based on the literature selections. A reading and comprehension component to this course will aid students in interpreting literary devices used by great writers.

### **Textbook**

[Easy Grammar Ultimate Series 180 Daily Teaching Lessons-Grade 10](#)

Below are the links for each novel for English. Please purchase a new copy. The purpose is for class unity and for students to be able to annotate while studying each novel.

[Twelfth Night](#) by William Shakespeare

[All Quiet on the Western Front](#) by Enrich Maria Remarque

[Pride and Prejudice](#) by Jane Austen

[The Great Gatsby](#) by F. Scott

Fitzgerald

### **Required Supplies**

- Loose leaf notebook paper
- 4 2-pocket folders with brads
- Pencils
- Highlighters in various colors

## **English II Honors (9-10)**

(Prerequisite: English I or equivalent) – In this course there will be a study of 7 works of literature to examine not only literal content, but the figurative meaning and literary devices used by poets and authors. The significance of tone, mood and character development will also be studied. This course is designed for students who enjoy reading. Teacher recommendation is required. Eligible students are those currently in 9-10 English I or 9-10 English I Honors.

### **Textbook**

[Easy Grammar Ultimate Series 180 Daily Teaching Lessons-Grade 10](#)

Below are the links for each novel for English. Please purchase a new copy. The purpose is for class unity and for students to be able to annotate while studying each novel.

[The Red Badge of Courage](#) by Steven Crane

[The Time Machine](#) by H.G. Wells

[The Great Gatsby](#): by F. Scott Fitzgerald

[Macbeth](#) by Shakespeare

### **Required Supplies**

- Loose leaf notebook paper
- 4 2-pocket folders with brads
- Pencils
- Highlighters in various colors

## **English III (10-12)**

(Prerequisites: English I or English I Honors and English II or English II Honors) During the first semester, students will complete a research paper using the MLA (Modern Language Association) format. This will include choosing a topic, forming a thesis statement, researching the topic, creating an outline, and writing a research paper using in-text citation. In the second semester, students will analyze four literary works covering various genres including English and American literature, an epic poem, and

historical fiction. Vocabulary building exercises are included during the entire class. Spelling and grammar are not the focus of this class.

### **Textbook**

[MLA Handbook for Writers of Research Papers, 8th edition](#) (978-1603292627)

Below are the links for each novel for English. Please purchase a new copy from the link below. The purpose is for class unity (all students having the same copy) and for students to be able to annotate while studying each novel.

[Beowulf](#) translated by Burton Raffel

[Ethan Frome](#) by Edith Wharton

[The Scarlet Pimpernel](#) by Baroness Orczy

[The Old Man and The Sea](#) by Ernest Hemingway

### **Required Supplies**

- 1 inch 3-ringed binder with 5 dividers
- Notebook paper
- Pencils, pens, highlighters
- One pack of index cards (any size)

## **English III Honors (10-12)**

(Prerequisites: English I or English I Honors and English II or English II Honors) During the first semester, students will complete a research paper using the MLA (Modern Language Association) format. This will include choosing a topic, forming a thesis statement, researching the topic, creating an outline, and writing a research paper using in-text citation. In the second semester, students will analyze four literary works covering various genres including English and American literature, an epic poem, and historical fiction. Vocabulary building exercises are included during the entire class. Spelling and grammar are not the focus of this class. As an honor's course, the required paper length will be 12 typed pages. Novel study will include annotated note taking. There will be an in-depth focus on author's voice, style, and language use. Students will be evaluated in various ways including quizzes, tests, and a short literary paper.

### **Textbook**

[Easy Grammar Ultimate Series 180 Daily Teaching Lessons – Grade 11](#)

[MLA Handbook for Writers of Research Papers, 8th edition](#) (978-1603292627)

Below are the links for each novel for English. Please purchase a new copy. The purpose is for class unity and for students to be able to annotate while studying each novel.

[Beowulf](#) translated by Burton Raffel

[Ethan Frome](#) by Edith Wharton

[The Scarlet Pimpernel](#) by Baroness Orczy

[Animal Farm](#) by George Orwell

### **Required Supplies**

- Spiral notebook
- 1 " binder
- pens, pencils, highlighters
- 4- two pocket folders with brads

## **English IV (11-12)**

(Prerequisites: English I or English I Honors, English II or English II Honors and English III or English III Honors) This course focuses on literature and composition. Students will analyze four literary works including an epic, an American play and European works. Students will learn about various types of composition including persuasive and descriptive essays, poetry, a personal narrative and practical writing like resume and cover letter preparation.

### **Textbook**

[Easy Grammar Ultimate Series 180 Daily Teaching Lessons – Grade 12](#) – Easygrammar.com

Below are the links for each novel for English. Please purchase a new copy. The purpose is for class unity and for students to be able to annotate while studying each novel.

[The Odyssey](#) by Homer Penguin Classics Edited by H. Rieu

[The Count of Monte Cristo](#) by Alexandre Dumas (Mass Market Paperback, abridged by Lowell Blair)

[Our Town: A Play in Three Acts](#) by Thornton Wilder

[Great Expectations](#) by Charles Dickens

### **Required Supplies**

- Spiral notebook
- 3 -ring binder with tabs
- pens, pencils, highlighters

- 4- two pocket folders with brads

## **English IV Honors (11-12)**

(Prerequisites: English I or English I Honors, English II or English II Honors, and English III or English III Honors) This course focuses on advanced literature and composition topics. Students will analyze four literary works. Students will learn about various types of composition including position papers and responses to literature. Finished assignments are expected to be in a standard format, free of most grammar and spelling errors. In an effort to prepare students for college, students will also improve their grammar and vocabulary skills, as well as develop a writing portfolio.

### **Textbook**

[Easy Grammar Ultimate Series 180 Daily Teaching Lessons – Grade 12](#) – Easygrammar.com

Below are the links for each novel for English. Please purchase a new copy. The purpose is for class unity and for students to be able to annotate while studying each novel.

[The Count of Monte Cristo](#) by Alexandre Dumas (Mass Market Paperback, abridged by Lowell Blair)

[Great Expectations](#) by Charles Dickens

[The Odyssey](#) by Homer Penguin Classics Edited by H. Rieu

[Our Town: A Play in Three Acts](#) by Thornton Wilder

### **Required Supplies**

- Spiral notebook
- 3-ringed binder with tabs
- pens, pencils, highlighters
- 4- two pocket folders with brads

## **Fashion**

In the course, students will explore the business side of fashion by covering these four important components, visual merchandising, trend forecasting, marketing and fashion design. Students will study major retail stores, why they are successful and what marketing tools they use to attract customers. Along with studying existing brands, they will create a fresh new store concept based on their designs and who their customer is. The principles of design will be emphasized in their window displays that will reflect visual appeal

through color, lighting and graphics.

### **Required Supplies**

- Sketchbook 50-75 pages
- Colored pencils
- Lime green tape
- 3 rolls of clear scotch tape (not the big ones, but the ones you wrap presents with)

## **Forensic Science**

This introductory Forensic Science course immerses students in the fascinating world of crime scene investigation. Through hands-on experiments, case studies, and interactive activities, students will explore the scientific methods used by forensic experts to analyze evidence and solve crimes occurring around us. Case studies will be used to teach the students new problem-solving skills. The class will be primarily hands-on and experiment-driven. Topics covered include fingerprint analysis, handwriting analysis, cyber crimes, DNA profiling, toxicology, and forensic anthropology. Students will also learn about the role of forensic scientists in the criminal justice system and how real-world investigations are conducted. Critical thinking, problem-solving, and attention to detail are emphasized as students apply science to uncover the truth behind mock crime scenes. This course is perfect for students interested in science, law enforcement, or criminal justice careers.

### **Required Supplies**

- Scientific calculator
- 1" 3-ring binder
- small bound notepad

## **Geometry (9-11) – 4 Days**

This course introduces students to the fundamental concepts of geometry including points, lines, angles, polygons, and circles. It focuses on the properties of both two-dimensional and three-dimensional figures, logical reasoning, spatial visualization, and real-world applications of geometric principles.

This course prepares students for Algebra II Standard.

### **Textbook**

[Geometry 2007](#) – McDougal Littell – A Houghton-Mifflin Company

(978-0-618-59540-2)

### **Required Supplies**

- 1.5" 3-ring binder
- 4 tab dividers
- Protractor
- Ruler
- Loose leaf paper
- Pencils
- Scientific calculator (TI-84 graphing calculator is highly recommended but not required)
- Graph paper
- 

## **Geometry Honors (9-11) – 4 days**

Geometry Honors is a fast-paced course that provides an in-depth study of geometry that will include abstract reasoning, logic, and the construction of formal geometric proofs. Designed for highly motivated students with strong foundational algebra skills, the class will explore more advanced concepts than a standard geometry course.

This course prepares students for Algebra II Honors.

### **Textbook**

[Geometry 2007](#) – McDougal Littell – A Houghton-Mifflin Company (978-0618-59540-2)

### **Required Supplies**

- Graphing Calculator TI-84 (required)
- Protractor
- Loose-leaf paper
- Graph paper

## **Interior Design**

The basic design course will cover space function planning, space function, interior elevation, color, and furniture. Students will develop their own style and learn how to personalize interior space. This is a project-based course.

### **Required Supplies**

- 1- inch 3-ring binder
- 1/4 inch scale graph paper
- colored pencils
- glue sticks
- scissors
- thin tip black sharpie
- 1 roll of 1.41 inch 3M Brand Blue Painter's Tape

## **Music / Worship Team**

This is an introduction to worship class with emphasis on developing creative and technical skills in the musical production of contemporary worship. Students will learn to perform worship songs in a band format. Students will also learn about general audio sound reinforcement and applications. The music/worship team band will participate in chapel services once a month.

## **Photography I and II**

This class is designed for students who have no prior photography experience. Students will learn the basic function of the camera such as camera parts, digital and film terminology, composition and framing. Photography assignments will take place at school, at home and on location. Projects are different in Photography I and Photography II. There will be in class discussions and critiques on all projects. All students will have projects included in the Night of the Arts.

### **Required Supplies**

- Digital Camera, 3-ring binder-recommended

## **Pre-Calculus Honors (11-12) – 4 Days**

Precalculus is a comprehensive study of functions, including polynomial, rational, exponential, logarithmic, and trigonometric functions, that serves as a foundation for calculus. The curriculum moves quickly to cover all the topics and engages students with challenging and complex problems.

This course prepares students for Calculus Honors or other college-level mathematics courses.

### **Textbook**

[Pre-Calculus, 7th Edition](#) – McDougal Larson/Hostetler Houghton Mifflin Publisher (0-618-64345-1)

### **Required Supplies**

- 3-ring binder (2-inch, just for this course)
- Loose-leaf paper
- Pencils
- Graph paper (optional)

- Graphing calculator (TI-84 required)

## Spanish I (9-10)

Basic vocabulary, pronunciation, reading, and writing are implemented throughout this course. Quarterly projects will be assigned to enhance geographical and cultural aspects of Spanish speaking countries. Homework, quizzes and games will play an important role in the Spanish development skills. A workbook will be used for homework to practice writing skills and reinforce vocabulary and language concepts. Classes are conducted, when possible, on a bilingual level. Since this is a two day class it will require a significant amount of time out of class.

### Textbook

[Navegando 1](#) – EMC Paradigm Publishing (978-0-8219-2798-4)  
Purchase used

### Required Supplies

- 1" 3-ring binder
- 5 tab dividers
- Loose-leaf notebook paper
- Pencils

## Spanish II (10-12)

(Prerequisite: Spanish I) – This course will expand on the listening, speaking, reading and writing skills developed in Spanish I. This course will introduce more vocabulary and grammar, and immerse Spanish students into the language. A workbook will be used at home with exercises to practice writing skills and reinforce vocabulary and language concepts. Quarterly projects with an emphasis on Spanish culture and geography will be assigned. These topics will be taught as an integral part of the course. Classes are conducted in Spanish and English, to best explain complex grammar lessons. This class will require a significant amount of time out of class.

### Textbook

[Navegando 2](#) – EMC Paradigm Publishing (978-0-8219-2839-4)  
Purchase used

### Required Supplies

- 1" 3-ring binder
- Loose-leaf notebook paper
- Pencils
- Pens
- Eraser
- Highlighter
- Index cards

## Understanding Your Faith

(aka Apologetics 101) – As believers in Jesus Christ, we live in a culture that is increasingly misinformed about our faith. It is important for every young follower of Jesus Christ to understand the Gospel message and the basics of our faith in Christ, that relates to the world we live in and works in every day life. 1 Peter 3:15 says, "If someone asks you about your hope as a believer, always be ready to explain it. But do it in a gentle and respectful way... They will see what a good life you live because you belong to Christ." In this course we will look at the Word of God (Bible) and the Gospel message and come to a better understanding of what we believe and why and be able to share it in an effective way with others answering some of the most common questions about the Christian faith.

### Textbook

[Tactics Study Guide](#) by Gregory Koukl

[Bible](#) – ESV

### Required Supplies

- Spiral Notebook for Journaling

## Web Design

Students will learn to make visually appealing websites using modern programming techniques with a focus on the responsive design model. This course is designed to introduce students to programming

basics through the use of HTML, CSS, and JavaScript.

### Required Supplies

- At least 4 Gb Flash drive

## Wise Finance

This course is designed to give the students a solid foundation in many topics of personal finance. The topics that will be covered include saving, budgeting, debt, insurance, consumer awareness, investing, giving, careers, taxes, and money and relationships. All of these topics are valuable in making wise decisions in the world of personal finance. The course will teach Biblical principles for each of these areas and lead the students to become wise with their own personal finances as they grow into adults.

### Textbook

[Foundations in Personal Finance](#) – Ramsey Solutions-information regarding textbook to be given in class- do not need to purchase prior to the start of school

### Required Supplies

- 1 inch 3 ring binder with 2 dividers
- Pencils
- Basic Calculator

## World History 9-10

This course is a thematic study of the history of the world from the Garden of Eden to the present day. History is "His story" and the unfolding of God's plan is so very evident in the progression of human events. Excerpts from literature as it relates to our study will be examined and discussed. Critical thinking skills will be emphasized.

### Required Supplies

- Pencils/Pens
- Highlighter
- 3-ring binder
- Loose Leaf paper
- 2 pocket folder