

# GRACE ACADEMY COURSE DESCRIPTIONS 2012-2013 WITH BOOK AND SUPPLY LIST

Grace Academy recommends ordering books no earlier than 6/1/12. Textbooks are subject to change. To order books, please see the Publishers' Information on the last page. Publishers and the ISBN numbers are listed next to titles.

## **Grades 9-12 Classes:**

*The following courses are 9<sup>th</sup> through 12<sup>th</sup> grade level unless otherwise noted.*

**Advanced Math Honors (Grades 11-12)** (Prerequisite: Algebra I, Geometry and Algebra II) - This course is to lay the groundwork for further study of mathematics at a college level. The standard pre-calculus topics are presented, as well as substantial new material on discrete mathematics and data analysis. In this course we will explore examples and exercises that establish the importance of mathematics to everyday life. There will be numerous worked-out examples, important results given and daily exercises. Topics covered: Functions, Graphs and Applications; Trigonometry; Discrete Mathematics and Data Analysis; Limits and Introduction to Calculus. Students will prepare for College Entrance Examinations and explore careers in Mathematics.

Textbook: Advanced Mathematics – Richard G. Brown – McDougal Littell – A Houghton Mifflin Company (978-0-618-25037-0)

Supplies: Graphing Calculator TI 83/84 (Required)

**Advanced Web Design** (Prerequisite: Prior computer experience required) - Students will learn the elements of a website, learn to use web tools and terminology. Students will create their own web multi-media website in iWeb with graphics created in Adobe Photoshop. They will also learn to create/slice a template for a website in CS4 which can later be imported into an HTML editor.

Supplies: 4 Gb Flash drive, 1/2 inch 3-ring binder, loose-leaf paper, pencils

**Algebra I (Grades 9-10) (4 Day)** - 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.

Textbook: Algebra I - McDougal Littell - A Houghton-Mifflin Company (978-0-618-59402-3)

Supplies: 1 inch 3-ring binder, 4 tab dividers, red pens, paper, pencils, inexpensive calculator, graph paper, 1 dry erase marker

**Algebra II (Grades 10-12) (4 Day)** (Prerequisite: Algebra I & Geometry) - This course includes a review and expansion of Algebra I concepts, irrational and complex numbers, quadratic equations, functions, and problem solving.

Textbook: Algebra II - McDougal Littell - A Houghton-Mifflin Company (978-0-618-59541-9)

Workbook: Practice Workbook Algebra II - McDougal Littell - A Houghton-Mifflin Company (978-0-618-73696-6)

Supplies: Graphing Calculator TI 83/84 (Required), 1 inch 3-ring binder, 3 tab dividers, loose-leaf paper, graph paper, 1 dry erase marker

**Algebra II Honors (Grades 10-12) (4 Day)** (Prerequisite: Algebra I & Geometry. Placement for this course will be determined by Grace Academy teacher or Director.) - This course is a more in depth study of the Algebra II curriculum with a faster pace and application projects.

Textbook: Algebra II- McDougal Littell - A Houghton-Mifflin Company (978-0-618-59541-9)

Supplies: Graphing Calculator TI 83/84 (Required), 1 inch 3-ring binder, 3 tab dividers, loose-leaf paper, graph paper, 1 dry erase marker

## 9-12 Course Descriptions

**American Government (Grades 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 the national, state and local levels. Our great leaders, important events, world changing legislation and social programs will add texture to the course content. Students will utilize course knowledge to create and develop a political party, proffer candidates for government offices and conduct a mock presidential election.

Textbooks: American Government in Christian Perspective, Second Edition (Grade 12) – ABEKA (38733)  
State and Local Government – ABEKA (63665)

**American Government Honors (Grades 11-12)** (Prerequisite: American History) - This course goes beyond the objectives stated in the Government overview. Students will develop an in depth and working knowledge of our Federal, State and Local Governments. They will construct a comparative analysis of the Founding documents and our current interpretation and usage of those concepts. Special emphasis will be placed on understanding the balance of powers and the activist Federal court system. Additional reading subjects, term papers and oral presentations in the form of debates and speeches will also be used as a learning tool.

Textbooks: American Government in Christian Perspective, Second Edition (Grade 12) – ABEKA (38733).  
State and Local Government - ABEKA (63665)  
Additional Readings-to be assigned in class.

**American History (Grades 9-10)** - Students will study the story of America from a Christian world-view beginning the pre-colonization period to the present day. This course will cover the historical facts of our history as well as how God has moved in our nation. We will start our journey with the new world and the events that lead to the discovery by Columbus and other explorers and work our way through the Jacksonian Era, then continue on to the modernization of early America and growing pains that led to the Civil War. The Second Semester continues with the lessons learned from the Civil War, industrialism, America's place in world events, WWI, WWII, the Cold War and our path to the 21st Century.

Textbook: United States History Student Text – BJU Press (978-1-59166-424-6)  
United States History Student Activities – BJU Press (978-1-57924-643-3)

**American History Honors (Grades 9-10)** - This course will study and understand the factors and causes that precipitated the migration to and development of North America. Special attention will be given to the early years of pre-colonization, God's influence and that factors that motivated the European powers toward the New World. The second half of the course will cover the major world events (starting with the Civil War and ending with Desert Storm and the Middle East) that forged the America of today.

Textbook: United States History Student Text – BJU Press (978-1-59166-424-6)  
United States History Student Activities – BJU Press (978-1-57924-643-3)  
Additional Readings: to be assigned in class.

**Anatomy/Physiology Honors** (Prerequisite: Biology and Chemistry) - This course is designed as an introductory course to the human body. The objective of this course is to integrate the study of the structures of the human body with their functions. A systematic approach will be used to study the 11 systems of the human body: histology, skin & bones, the integumentary & skeletal system, histology & movement, muscle histology & physiology, skeletal muscle system, nervous system (central & peripheral), circulatory system, lymphatic system, digestive system, respiratory system, urinary system and reproductive system. This course will include Podcast labs, viewings of MRI's and interactive experiments.

Textbook: The Human Body Fearfully and Wonderfully Made (Advanced Biology) - Apologia Educational Ministries (978-1-932012-09-5). Textbook Only

Supplies: \$30 Lab Fee due 1<sup>st</sup> day of class payable to Grace Academy

## 9-12 Course Descriptions

**3D Art I** – This is a studio course emphasizing the experimentation of form and space in three dimensions. Different types of materials will be used to sculpt such as clay, wire, paper mache, plaster and recyclables. Students will learn to complete projects that start with an initial idea, complete mockups and final assembly. We will also complete the process of ceramics from forming clay to firing and glazing. Students will be required to keep a sketchbook/journal, and to research and deliver a presentation on an artist from the pop-art era.

Supplies: Utility knife with safety grip, two rolls of masking tape, 3 rolls of clear packing tape, spiral bound sketchbook

**3D Art II** – This is a studio course emphasizing the experimentation of form and space in three dimensions. We will be using different types of materials to sculpt with such as clay, wire, paper mache, plaster and recyclables. Students will learn to complete projects that start with an initial idea, complete mockups and final assembly. We will also complete the process of ceramics from forming clay to firing and glazing. Our focus will be on art produced from around the world. Students will be required to keep a sketchbook/journal, and to research and deliver a presentation on an European Sculptor.

Supplies: Utility knife with safety grip, two rolls of masking tape, 50-page spiral bound sketch book

**Art (Grades 8-9)** - This class is for 8th and 9th grade students who are ready to develop and expand their own artistic style through the exploration of different art processes and mediums. Units of study will include: painting, drawing, clay building, collage, and Art History. The focus will be on quality not quantity of work. Students will be required to keep a sketchbook/journal, and to research and deliver a presentation on an Artist of their choice. Students will receive a high school fine arts credit for this class. Students must have completed 6-8 Art I, II or equivalent.

Supplies: Spiral bound, 50-page sketchbook, 18" cork-back metal ruler

**Biology (Grades 9-10)** – This course provides a detailed introduction to the methods and concepts of general biology. Heavily emphasizing 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. It also provides a complete survey of the five kingdoms in Creation. This hands-on course includes labs and dissections.

Textbook: Exploring Creation with Biology, 2nd Edition - Apologia Educational Ministries (1932012540). Textbook Only

Supplies: \$30 Lab Fee due 1st day of class payable to Grace Academy

**Business Math I (Grades 9-12)** – This practical course will cover topics such as buying a car, budgeting, banking, investing, keeping tax records, purchasing a home, food, and clothing. Analytical and problem solving skills will be emphasized. Students will learn a Scriptural view of working, tithing, saving, paying taxes, and budgeting time and money.

Textbook: Consumer Mathematics in Christian Perspective – ABEKA (26603)

Money Matters for Teens by Larry Burkett – Moody Publishers (0802446361)

**Business Math II (Grades 10-12)** – Students will learn the math involved with operating a business, making investments, successfully managing family finances, and how to apply the principle of good stewardship. Scripture will be referenced to train students to have godly attitudes toward finances and work responsibilities. Students will use skills to solve real-life computing problems and be guided toward independent thinking.

Textbook: Business Mathematics – ABEKA (67946)

**Calculus Honors (Grades 11-12) (4 Day)** (Prerequisite: Algebra I, Geometry, Algebra II & Pre-Calculus) - This course introduces the basic concepts of calculus, including the definition and application of derivative to polynomial, trigonometric, exponential, and logarithmic functions. Related rates, the fundamental theorem of calculus, and graphics applications are also introduced.

## 9-12 Course Descriptions

Textbook: Calculus of a Single Variable, 8<sup>th</sup> Edition - McDougal Littell - A Houghton-Mifflin Company (978-0-618-50304-9)

Supplies: Graphing Calculator TI 83/84 (Required)

**Character Development** - Every person develops in one way or another, but few people develop into the moral, loving, disciplined Christians who honor God with their lives. This energetic, discussion-based class seeks to answer the question: "How can I be the man/woman God intends me to be?" This class blurs the line between Christian Ethics and spiritual formation, and will involve deep reflection and soul searching! Students will study topics such as integrity, moral virtue, discipline, and ethics, all from the framework of a Christian worldview.

Books: *Crazy Love* by Francis Chan (1434768511)

*Holy Bible* with both Old Testament and New Testament (the student may use the version that he or she is most comfortable reading)

Supplies: 1 inch 3-ring binder, loose-leaf paper (college-ruled), pencils

**Chemistry (Grades 11-12)** (Prerequisite: Algebra I & II, 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: Exploring Creation with Chemistry, 2<sup>nd</sup> edition - Apologia (978-1-932012-26-2)

Supplies: Scientific Calculator, \$30 Lab Fee due 1<sup>st</sup> day of class payable to Grace Academy

**Chemistry (Grades 11-12) (4 Day)** (Prerequisite: Algebra I & II, 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. This 4-day course will cover the same material as the 2-day course but will include in class tests and in class exercises. This format will benefit students who find math skills more difficult, or need more hands-on practice to master new concepts.

Textbook: Exploring Creation with Chemistry, 2<sup>nd</sup> edition - Apologia (978-1-932012-26-2)

Supplies: Scientific Calculator, \$30 Lab Fee due 1<sup>st</sup> day of class payable to Grace Academy

**Christian Growth (Boys Only)** – What does it mean to be a disciple of Christ or to be a man of God? Christian Growth/Discipleship is specifically designed to help young men understand the teachings of the faith, as well as encouraging and assisting them to grow closer to Christ, equipping them to be Godly men, in today's modern world.

Textbook: TBA

**Christian Growth I (Girls Only)** – Students will learn to think Biblically in day-to-day life and learn about their relationship with God, others, and their view of self.

Supplies: Bible and Journal

**Christian Growth II (Girls Only)** – Students will learn to grow in their walk with the Lord. They will be challenged in Spiritual Discipline and learn what it means to be a leader that follows Jesus in a society that does not.

Supplies: Bible and Journal

**Computer Basics** – Students will learn to use multiple software applications so they have a greater awareness and confidence when using the computers. Students will reinforce their skills in Word, Power Point and Excel through class projects. They will use these skills to gain confidence in handling tasks required in college or the work place. Students will create and format projects including newsletters, brochures, flyers, postcards, personal/formal/business letters, resumes with cover letters and bibliographies. Correct keyboarding skills, accuracy and speed will also be emphasized.

Textbook: Teach Yourself Visually: Microsoft Office 2008 for Mac – Wiley Publishing, Inc. (978-0-470-48503-3)

Supplies: 4 Gb Flash drive, 1 inch 3-ring binder, 10 dividers

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**Computer Graphic Arts** – This course introduces the use of computer software specifically CS4 for production and design in graphic arts. Topics include the expressive use of typography, images, syntax and organization of particular elements to communicate a message. Upon completion of this course, students will be able to effectively apply design principles and visual elements to projects using the computer as a design tool.

Supplies: 4 Gb Flash drive, 1/2 inch 3-ring binder, loose-leaf paper, pencils

**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 discussion-based class, dedicated to answering these questions. To accomplish our goals, we will study different world views, the nature of the changing American culture, the history of Christian missions, and various other relevant topics. This class should be anything except boring! 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: The Unexpected Adventure by Lee Strobel and Mark Mittelberg – Amazon.com (9780310283928)

Holy Bible with both Old Testament and New Testament (the student may use the version that he or she is comfortable reading)

Supplies: 1 inch 3-ring binder, Loose-leaf paper (college-ruled), pencils

**Drama** - Students will acquire theatrical skills through reading, writing, performing and producing plays. This course includes improvisational acting, theater history, and appreciation, set design, costuming, directing and other aspects of theater production.

Textbook: Acting for Life by Jack Frakes – www.pioneerdrama.com (978-1-56608-107-8)

**Earth/Physical Science (Grades 9-10)** – Students will discover and explore topics such as the atmosphere, the hydrosphere, weather, structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity and astrophysics through a lab and project approach.

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

Textbook Only

Supplies: \$30 Lab Fee due 1<sup>st</sup> day of class payable to Grace Academy

**Earth/Physical Science Honors (Grades 9-10)** – Students will discover and explore topics such as the atmosphere, the hydrosphere, weather, structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity and astrophysics through a lab and project approach. This honors course will include everything that the regular course does but also include an additional project each module that may include: additional problems, a brief research essay or lab report.

Textbook: Exploring Creation through Physical Science, 2<sup>nd</sup> edition – Apologia (978-1-932012-77-4) Textbook only.

Supplies: \$30 Lab Fee due 1<sup>st</sup> day of class payable to Grace Academy

**English Basics** – This is a program for students who need to focus on grammar, spelling, vocabulary, and comprehension. It is a course that will be individualized according to each student's need.

Book: The Call of the Wild by Jack London (978-0-689856-74-7)

Supplies: 1 inch 3-ring binder, \$15 Custom notebook Fee due 1<sup>st</sup> day of class payable to Grace Academy

**English I (Grades 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 spelling and vocabulary component, which will help students to edit their work and express ideas more effectively.

## 9-12 Course Descriptions

Books: The following novels to be purchased at the Arboretum Barnes & Noble (date TBA):

*A Christmas Carol* by Charles Dickens

*The Hobbit* by J.R.R. Tolkein

*Across Five Aprils* by Irene Hunt

*White Fang* by Jack London

Supplies: ½ inch 3-ring White Binder

**English I Honors (Grades 9-10)** – Students will study great poets and authors in order to learn effective literary devices that will be useful in their own writing. The public speaking units will be based on written preparation and presentations of reports and information based on selected readings. There will also be a focus on techniques that are critical components for being an effective speaker.

Supplies: 1 inch 3-ring binder

**English II (Grades 9-10)** (Prerequisite: English I or equivalent) - This course consists of an extension of grammar learned in English I and a literature series of four units. 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.

Books: The following novels to be purchased at the Arboretum Barnes & Noble (date TBA).

*Twelfth Night* by William Shakespeare

*All Quiet on the Western Front* by Enrich Maria Remarque

*Adam of the Road* by Elizabeth Janet Gray

*Wuthering Heights* by Emily Bronte

Supplies: ½ inch 3-ring White Binder

**English III (Grades 10-12)** - 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: Practice In Style: Activities for Writing the Short Term Paper - Perfection Learning (9780789166661)

Books: The following novels to be purchased at the Arboretum Barnes & Noble (date TBA).

*Beowulf*, Translated by Raffel

*Ethan Frome* by Edith Wharton

*The Scarlett Pimpernel* by B. Orczy

*Old Man and The Sea* by Ernest Hemingway

**English III Honors (Grades 10-12)** - 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 honors 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, unit projects, and a short literary paper.

Textbook: Practice In Style: Activities for Writing the Short Term Paper - Perfection Learning (9780789166661)

Books: The following novels to be purchased at the Arboretum Barnes & Noble (date TBA).

*Beowulf*, Translated by Raffel

*Ethan Frome* by Edith Wharton

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*Old Man and The Sea* by Ernest Hemingway  
*The Scarlett Pimpernel* by B. Orczy

**English IV (Grades 11-12)** – 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.

Poem Resource: [www.theotherpages.org/poems](http://www.theotherpages.org/poems)

Books: The following novels to be purchased at the Arboretum Barnes & Noble (date TBA).

*The Odyssey* by Homer

*The Count of Monte Cristo* by Alexandre Dumas

*Our Town: A Play in Three Acts* by Thornton Wilder

*Great Expectations* by Charles Dickens

**English IV Honors (Grades 11-12)** – In addition to the description for English IV, this honors course will focus on preparing written literacy analysis of their own essays and the literature covered. By the end of the course, students will be able to perform a literary analysis independently. Finished assignments are expected to be in a standard format and free of most grammar and spelling errors in an effort to prepare students for college.

Poem Resource: [www.theotherpages.org/poems](http://www.theotherpages.org/poems)

Textbook: Easy Grammar Ultimate Series 180 Daily Teaching Lessons – Grade 12 -  
[Easygrammar.com](http://Easygrammar.com) (978-0-936981-567)

Books: The following novels to be purchased at the Arboretum Barnes & Noble (date TBA).

*To Kill a Mockingbird* by Harper Lee

*The Count of Monte Cristo* by Alexandre Dumas

*Our Town: A Play in Three Acts* by Thornton Wilder

*Oliver Twist*

**Fashion Design** – This course introduces fashion in a way to help you discover your personal fashion style. Students will learn the basics of following a pattern to customizing the pattern to suit you. Fashion accessorizing will also be covered. Students will learn basic hand and machine sewing skills.

Supplies: sketchbook, 1 inch 3-ring binder, colored pencils, scissors, glue sticks, small sewing kit

**French I (Grades 8-12)** - This course is designed for students with no prior French language background. Basic vocabulary, pronunciation, reading, and writing are implemented throughout the course. Monthly projects will be assigned to students to enhance geographical and cultural aspects of the French speaking countries. Homework, quizzes, and games will play an important role in the French development skills.

Textbook: C'est a toi! 1, 1<sup>st</sup> edition - EMC Paradigm Publishing (0-8219-2255-6)

**French II (Grades 8-12)** - This course will expand on the listening, speaking, reading, and writing skills developed in French I. This course will introduce vocabulary and grammar, and immerse French students into the language. An integral part of this course will be projects focusing on French culture and geography. Classes are conducted primarily in French.

Textbook: C'est a toi! 2, 1<sup>st</sup> edition - EMC Paradigm Publishing (0-8219-2257-2)

**Geometry (Grades 9-11) (4 Day)** (Prerequisite: Algebra I) – This course is an organized and logical study of the use of undefined terms, definitions, postulates, theorems and will be an in-depth study of concepts of geometry.

Textbook: Geometry- McDougal Littell - A Houghton-Mifflin Company (978-0-618-59540-2)

Workbook: Practice Workbook - McDougal Littell - A Houghton-Mifflin Company (978-0-618-73695-9)

Supplies: Graphing Calculator TI 83/84 (Required), protractor, compass, 1 inch 3-ring binder, 4 tab dividers, ruler, loose-leaf paper, graph paper, dry erase markers

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**Health/PE** – Students will learn about important health issues, such as how to take care of their body, exercise and what foods are best to eat. Students will learn the value and benefits of physical activity. Just as important, they learn physical activity can and should be fun. Students will learn how to play different sports along with how to play as a team.

Textbook: Fitness for Life – 5<sup>th</sup> edition - Charles B. Corbin, Ruth Lindsey – Human Kinetics (978-0-7360-6676-1)

Supplies: Athletic Wear and Tennis Shoes

**History of Christianity** – One of the most effective ways in which to learn about a worldview is to study its history. A student who seeks to follow Christ would be well-advised to study the story of the Christian faith! The history of Christianity is a fascinating story that spans over 2,000 years and takes place in innumerable empires, dynasties, and nations. It involves the study of humanity at its best, as well as at its worst; In times of peace, as well as in times of war; In times of triumph and in times of despair. We study the rich story of Christianity from the first-century AD all the way to 2012. This class promises to be anything but boring and can count for either a Bible credit or a Social Studies Credit!

Textbook: The Story of Christianity: The Early Church to the Present Day, Complete in One Volume by Justo L. Gonzalez - Prince Press (978-1-56563-522-7)

Supplies: 3-ring binder, Loose-leaf paper (college-ruled), Pens and/or pencils

**Interior Design** – This basic design course will cover space 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.

Supplies: 1 inch 3-ring binder, ¼ inch scale graph paper, colored pencils, glue sticks, scissors

**Journalism/Communications** – Students in this writing based course will have a hands-on approach to Journalism. Topics will include writing style, interview process, editing, article layout, photo journalism, and the history of journalism. Students will follow current events and produce the school newspaper. This course counts as an elective credit.

**Oceanography (Grades 11-12)** (Prerequisite: Biology) - This course concentrates on marine wildlife and marine habitats. It provides a survey of members of each biological kingdom that live in marine environments. Students will learn about the microscopic organisms that make life in the ocean possible and the anatomy of many macroscopic marine creatures such as clams, starfish, and sharks. The student will then learn how these creatures and their physical surroundings form marine ecosystems such as intertidal zones, estuaries, coral reefs, continental shelf communities, epipelagic communities, and deep-ocean communities.

Textbook: Exploring Creation with Marine Biology, 1<sup>st</sup> edition – Apologia (9781-932012-58-3)  
Textbook Only

Supplies: \$30 Lab Fee due 1<sup>st</sup> day of class payable to Grace Academy

**Performing Arts** – Students will acquire theatrical skills through reading, writing, performing and producing plays. Working together students will build confidence and sharpen speaking skills while creating original skits and plays from many genres that incorporate the use of music, song and choreography.

**Photography (Beginning)** – 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. There will be in class discussions and critiques on all projects. All students will have projects included in the Night of the Arts.

Supplies: Camera, 3 Black Sharpies, 1 inch 3-ring Binder, 1 pack of Black Card Stock paper, 1 plastic pencil holder (used for keeping photos in)

**Photography (Intermediate)** – This class is designed for students who have basic photography knowledge. Students will review the camera functions through assignments and in class work.

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Some of the topics covered will be lines and shapes in nature, portraits and a biographical study of a photographer. Photography assignments will take place at school, at home and on location. There will be in class discussions and critiques on all projects. All students will have projects included in the Night of the Arts.

Supplies: Camera, 3 Black Sharpies, 1 inch 3-ring Binder, 1 pack of Black Card Stock paper, 1 plastic pencil holder (used for keeping photos in)

**Physics (Grade 11-12)** (Prerequisite: The student should have completed Algebra II and have some working knowledge of trigonometry.) – Physics is a physical science course that provides a detailed introduction to the methods and concepts of general physics and is designed to prepare the student for university level physics. It will provide the student with a strong background in one-dimensional and two-dimensional motion, Newton's laws and their application, gravity, work and energy, momentum, periodic motion, waves, optics, electrostatics, electrodynamics, electrical circuits, and magnetism.

Textbook: Exploring Creation with Physics, 2<sup>nd</sup> edition – Apologia (978-1-932012-42-2)

Supplies: Scientific calculator (required)

**Practical Life Skills** – This course introduces and teaches skills needed to help keep your world functioning properly. Students will learn about nutrition and “pyramiding” the refrigerator, cooking healthy, and tasty foods using the microwave. Students will learn money management skills on topics such as budgeting, bill paying, reconciling checkbooks, savings, and basic financial planning for the future. The course will cover personal maintenance such as sewing on buttons, washing clothes, ironing and basic household and car maintenance. This course is designed for boys and girls.

Books: The 7 Habits of Highly Effective Teens by Sean Covey (068-4856-0-93)

The College Students Guide to Eating Well on Campus by Ann Selkowitz Litt (097-00139-14)

**Pre-Calculus Honors (Grades 11-12) (4 day)** (Prerequisite: Algebra I, Geometry, and Algebra II) – This course is designed to help students develop their proficiency in Algebra and so strengthen the understanding of the underlying concepts. Although the basic concepts of Algebra are reviewed in the class, a firm foundation in Algebra is necessary for success in college-level mathematics. Every opportunity to show how Algebra is a modern modeling language for real life problems will be explored. Examples, exercises, and group activities provide a real-life context to help students grasp mathematical concepts.

Textbook: Pre Calculus, 7th Edition - McDougal Larson/Hostetler Houghton Mifflin Publisher (0-618-64345-1)

Pre Calculus Study Solutions - McDougal Larson/Hostetler Houghton Mifflin Publisher (0-618-64347-8)

Supplies: Graphing Calculator TI 83/84 (Required)

**SAT Prep** - Our aim here is to connect students to college success! This progressive course will prepare students to take the SAT. Students will become familiar with the format of the SAT, practice on the different types of questions, review hundreds of practice questions, experience taking full length practice tests and provide numerous opportunities to sharpen your skills in writing effective short essays.

Textbook: MCMILLIAN: The Official SAT Study Guide – College Board SAT (978-0-87447-852-5)

**Spanish I (Grades 9-10)** – Basic vocabulary, pronunciation, reading, and writing are implemented throughout this course. An annual project 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 on a bilingual level. **This two-day course will require more out of class time.**

Textbook: Navegando 1 - EMC Paradigm Publishing (978-0-8219-2798-4)

Workbook: (978-0-82192-801-1)

## 9-12 Course Descriptions

**Spanish I (Grades 9-10) (4 Day)** - This course is designed for students with no prior Spanish language background. Basic vocabulary, pronunciation, reading, and writing are implemented throughout the course. An annual project will be assigned to students to enhance geographical and cultural aspects of the 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 on a bilingual level.

Textbook: Navegando 1 - EMC Paradigm Publishing (978-0-8219-2798-4)

Workbook: (978-0-82192-801-1)

**Spanish II (Grades 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 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. An annual project 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 primarily in Spanish. This two-day per week class will cover the same amount of material as the four day per week class. **This two-day course will require more out of class time.**

Textbook: Navegando 2 - EMC Paradigm Publishing (978-0-8219-2839-4)

Workbook: (978-0-82192-842-4)

**Spanish II (Grades 10-12) (4 Day)** (Prerequisite: Spanish I) - This course will expand on the listening, speaking, reading and writing skills developed in Spanish I. This course will introduce some vocabulary and grammar, and immerse beginning Spanish students into the language. A workbook will be used at home with exercises to practice writing skills and reinforce vocabulary and language concepts. An annual project 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 primarily in Spanish.

Textbook: Navegando 2 - EMC Paradigm Publishing (978-0-8219-2839-4)

Workbook: (978-0-82192-842-4)

**Spanish III (Grades 10-12)** (Prerequisite: Spanish II) - This course will expand on the listening, speaking, reading and writing skills developed in Spanish II. Vocabulary and grammar will be introduced and immerse Spanish students into the language. Students will have an opportunity to improve their conversational skills by speaking mostly Spanish in class. A workbook will be used at home with exercises to practice writing skills and reinforce vocabulary and language concepts. An annual project with an emphasis on Spanish culture and geography will be assigned. These topics will be taught as an integral part of the course.

Textbook: Navegando 3 - EMC Paradigm Publishing (9780821928646)

Workbook: (9780821928714)

**Sports Management & Ministry** – Sports are a huge part of our world, but is there more to it than simply beating your opponent? How can games be used to change the lives of the participant and the spectator alike? What does it look like to be a Christian-athlete? This course will help you realize there is so much more to sports than . . . sports. Taught with a sports emphasis, this course is applicable to everyone because of our God-given talents.

Textbook: TBA

**Study Skills** – This class will help the student become a successful, effective learner. Topics covered will be time management, listening skills, reading comprehension, note taking, test taking, textbook reading strategies, goal setting, making the most of your learning style and organizational skills. This class will count as an elective credit and would be most beneficial for 9<sup>th</sup> and 10<sup>th</sup> graders.

Textbook: TBA

## 9-12 Course Descriptions

**Understanding Your Faith** (aka Apologetics 101) - This course is all about defending your faith and learning how to share it. 1 Peter 3:15 says that we should, "always be prepared to make a defense to anyone who asks you for a reason for the hope that is in you; yet do it with gentleness and respect..." In this course we will evaluate other people's beliefs and learn how to build bridges in order to share the gospel with a broken world. By the end of the year all students in this course should feel much more comfortable understanding the Christian faith and how to express that faith with those who do not know much about it.

Textbook: Mere Apologetics: How to Help Seekers and Skeptics Find Faith By Alister E. McGrath (978-0801014161)

**World History** – 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. Students will be encouraged to express themselves in writing and presentations.

Textbook: World History & Cultures in Christian Perspective - ABEKA (57223)

**World History Honors** – 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. Honors students will develop skills in writing Document Based and Free Response essays. In the 3<sup>rd</sup> quarter, students will read and respond to The Hiding Place by Corrie Ten Boom.

Textbook: TBA

**Worship Team** – This course will cover the concepts of playing on a worship team and/or in a band. Students will learn basic recording techniques and recording concepts. Guitarists, bassists, drummers, keyboardists, and vocalists welcome. Other instruments may be accepted. Students must be able to play their instrument adequately, know basic chords and rudiments for the instrument. Students with an interest in recording/sound reinforcement would also benefit from this class.

**Writing Honors (Grades 11-12)** - The goal of this course is to two-fold: to strengthen students' writing to prepare them for college, and to foster a passion for writing in different genres including, but not limited to, fictional stories. As such, students taking this course should already have a firm understanding of paragraph and essay structure, as well as grammar. Students will analyze different types of writing in order to improve their own. The writing assignments will be comprised of essays (including literary analysis), poetry, and short works of fiction. Time will be spent reviewing finer points of grammar and style, and then applying this knowledge when editing both personal and peer writing. All assignments are expected to be in standard format and free from spelling and grammar errors.

Textbook: Writers Inc., 2006 edition – [www.greatsource.com](http://www.greatsource.com) (978-0-669-52995-1)

Supplies: Journal, 3-ring binder, set of tab dividers

**Yearbook/Promotions** – This course introduces design, basic photography and basic computer using Word and Pages. School events will be covered by this class with a large amount of independent work. Students will also be required to participate in fundraising activities while developing a sense of personal pride and responsibility. Grading will be based on effort, quality of work, meeting deadlines and class participation.

Supplies: Laptops, for in class use only, are provided by Grace Academy.

**Study Hall** – Independent study/homework time available to students K-12 during periods when no class is assigned. Study Hall is supervised by a Grace teacher. Students must always attend study hall if they are not enrolled in a class. They may not leave campus.

## Publisher Information

**ABEKA** P.O. Box 19100, Pensacola, FL 32523-9100 1-877-223-5226 [www.abeka.com](http://www.abeka.com)

**Amazon** [www.amazon.com](http://www.amazon.com)

**Apologia Educational Ministries, Inc.**

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[www.highschoolscience.com](http://www.highschoolscience.com)

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**Christianbook.com** 1-800-Christian (1-800-247-4784) [www.christianbook.com](http://www.christianbook.com)

**Educator's Publishing Service** [www.christianbook.com](http://www.christianbook.com)

**EMC Paradigm Publishing** 875 Montreal Way, Saint Paul, MN 55102 1-800-328-1452  
[www.EMCP.com](http://www.EMCP.com)

**Evan-Moor** 1-800-777-4362 [www.evanmoor.com](http://www.evanmoor.com)

**Frank Schaffer/ Carson-Dellosa Publications** 1-800-321-0943 [carsondellosa.com](http://carsondellosa.com)

**Half.com** [www.half.com](http://www.half.com)

**Holt, Rinehart & Winton Publishing** 1-800-225-5425 [www.hrw.com](http://www.hrw.com)

**Houghton-Mifflin Company** [www.hmco.com](http://www.hmco.com) 1-800-225-1464 (1<sup>st</sup> – 5<sup>th</sup> Grades 1-800-733-2828)

**Human Kinetics** [www.humankinetics.com](http://www.humankinetics.com)

**Lakeshore Learning Store** 10005 E. Independence Boulevard, Matthews, NC 28105  
704-849-2370 [www.lakeshorelearning.com](http://www.lakeshorelearning.com)

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**Penguin-Putnam Publishing** [www.penguingroup.com](http://www.penguingroup.com)

**Perfection Learning Corp.**

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[www.perfectionlearning.com](http://www.perfectionlearning.com)

**Positive Action for Christ** 1-800-688-3008 [www.positiveaction.org](http://www.positiveaction.org)

**Purposeful Design Publications** 1-800-367-0798 [www.purposefuldesign.com](http://www.purposefuldesign.com)

## 9-12 Course Descriptions

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