

EMMA

Enriching, Mentoring, Mastering, and Achieving

Fall 2017 Class Descriptions

(4/1/17)

- Grade levels are used as guides to place students. Parents may choose classes one grade level up or down from the registered grade level without seeking permission from the leadership team.
- **Parents must obtain required textbooks.** Use ISBN, catalog numbers, and editions where noted. Some classes have homework due on the first day so please allow sufficient time to acquire texts.
- Manuals supplied by mentors will be available for purchase and pickup at Open House or by contacting the mentor.
- Various materials and supplies, as listed on each class syllabus, must be obtained and replenished as needed throughout the year.
- Classes have maximum and minimum enrollment numbers. Your student may be added to a waiting list if the class is full, or you may be notified in case of cancellation.

<u>Grade</u>	<u>Class</u>	<u>Cost</u>	<u>Class Time</u>
Friday, 9-10am			
K	Activities Text: none—all materials included Students must be 5 years old by 12/1/2017. This class is a fun learning experience involving many hands-on activities centered on a central theme. Activities include cutting, singing, drawing, painting, etc. Students will read and make books and create many cute crafts.	\$110	Friday, 9-11am
1 st	Science Text: none This class will provide a hands-on opportunity to explore the wonderful world God made from a “scientific” perspective. Topics this semester include our five senses, plants, and rocks.	\$55	Friday, 9-10am
2 nd	Art Text: none Students will be introduced to the seven elements of art. They will explore color, shape, line, and texture as they create projects using different mediums.	\$60	Friday, 9-10am
3 rd **	Beg. Spanish Text: Spanish/English dictionary The first few classes will focus on learning and memorizing the Spanish alphabet, counting up to 20, days of the week, and months of the year. As the class progresses, the students will learn more Spanish words such as classroom items, objects at home, animals, outside objects, colors, and food. Short Spanish greetings and dialog will also be memorized. Fun word games and drawing and coloring pictures will be used to enhance memorization. Homework will consist of writing new words on index cards to practice at home and handouts to complete. Correct pronunciation is the main goal of the class. Puppets and balls will also be used to add some fun to the class. Students of different grade levels are permitted.	\$55	Friday, 9-10am
3 rd -8 th	Beg. Keyboard Text: Faber and Faber <i>Piano Adventures</i> Primer Level method books (set of three—Lesson, Performance, and Theory) plus 49- or 61-key keyboard with keyboard stand, music stand, and power cord Students will learn the basics of reading music notation in the treble and bass clef and will perform various musical articulations and understand basic music symbols and how to successfully interpret them when applying them to their weekly song assignments and as a group during class. Students will bring their own keyboards, accessories, and textbooks with them to class every week and will have weekly written homework assignments from their Music Theory books. Students will also have weekly playing quizzes from either their Lesson or Performance books that they must independently prepare through regular daily practice and perform in front of their peers each week. Students will give a group performance at the end of the semester at Arts & Sciences Night. <u>This class follows the high school schedule.</u>	\$125	Friday, 9-10am
4 th	NC History Text: <i>ABeka My State Notebook</i> and <i>State History from a Christian Perspective</i> (student booklet) Students will learn about the history of NC by creating a notebook throughout the semester. Students will discover our state’s flower, motto, bird, song, nickname, seal, and more. They will also record pictures of scenery, historical figures, and famous landmarks, and learn about the history of the state capital. Along with discovering facts about our state, your student will also develop research and reporting skills.	\$60	Friday, 9-10am

5 th	Science	\$65 + \$10 lab	Friday, 9-10am
	Text: Apologia <i>Exploring Creation with Human Anatomy and Physiology</i> , ISBN 978-1-935495-14-7 plus \$10 workbook purchased from the mentor Students will explore anatomy (the parts of the body) and physiology (the study of how these work together). Students will complete weekly reading and homework assignments, in-class experiments, and a project due in November. An Anatomy Journal/Person Project will be provided.		
6 th	Science	\$70	Friday, 9-10am
	Text: Apologia, <i>Exploring Creation with Chemistry and Physics</i> by Jeannie K. Fulbright, ISBN 978-1-935495-98-7 This class will explore the wonders of matter, motion, and energy through homework assignments, tests, a project, labs, and other class activities.		
6 th -8 th	VEX IQ Robotics with Coding	\$120 + \$40 equipment fee	Friday, 9-10am
	Text: none—all materials and equipment provided This class combines programming and hands-on robotics to give students the opportunity to learn programming skills and apply those skills to actual robotic hardware. Students will learn programming skills using a VEX IQ curriculum designed to teach core computer programming logic and reasoning skills using a robotics engineering context. Students apply those skills as they build, program, and operate VEX IQ robots. Using VEX IQ robot kits, students will follow instructions to build robots used for program training. VEX IQ is a snap-together robotics system designed to offer young students a rich and exciting introduction to the areas of Science, Technology, Engineering, and Math (STEM). The system encourages teamwork, problem solving, and leadership. The Code.org (Code Studio) will also be used to improve students' logical thinking and programming skills. Students will work together in pairs with their own robot kits and can progress at their own pace.		
6 th -12 th	Beginning Sign Language	\$80 student/\$55 parent	Friday, 9-10am
	Text: none Students will learn basic vocabulary, phrases, and conversation in American Sign Language (ASL). They will also learn about the history of sign language in our country, the unique culture of the deaf, and how they, even as students, can reach out to people with disabilities. No textbook is needed as we will use teacher-created handouts, supplemented by websites. Internet access and practice during the week is required. A variety of learning activities, games, and songs will be used to teach this beautiful language. <u>This class follows the high school schedule.</u>		
7 th /8 th	Algebra ½	\$150	Friday, 9-10am, and Tuesday, 11am-noon
	Text: Saxon Algebra ½, 3 rd ed., ISBN 1565771494 This class covers traditional pre-algebra material (with integrated geometry) preparing the student for Algebra 1. The student should be competent in division of fractions and decimals, GCF, LCM, percentages, and reducing and simplifying fractions. No calculators are allowed in this class. No teaching or grading of assignments is required by the parent. The fee includes mentor office hours on Tuesday before class. <u>This class follows the high school schedule.</u>		
MS	Public Speaking (sem)	\$70	Friday, 9-10am
	Text: \$5 student manual purchased from the mentor Beginner public speaking skills will be taught in this class. Students will learn to feel comfortable and confident speaking in front of a group. They will learn new skills each week with fun activities. <u>Debate will be offered in this time slot for the Spring 2018 semester.</u>		
8 th -10 th	Foundations of Writing & Literature	\$70	Friday, 9-10am
	Text: BJU <i>Fundamentals of Literature</i> , any edition One goal of this class is to teach valuable writing skills that will serve throughout high school and beyond. Students will go step-by-step through the writing process, working on a variety of writing exercises and essays. The other goal is to read great literature while learning literary elements and literature dissection. Students will use a good textbook that contains a cross-section of literary works and concepts. <u>This class follows the high school schedule.</u>		
9 th /10 th	Physical Science	\$100 + \$10 lab	Friday, 8:30 -10am
	Text: TBA This is an introductory high school course designed to prepare the student for biology, chemistry, and physics. Students will complete weekly homework assignments, in-class experiments, and a project/paper due at the end of each semester.		
10 th -12 th	British Literature	\$80	Friday, 9-10am
	Text: BJU <i>British Literature</i> , updated 2 nd ed. student text <i>Research Paper Packet</i> from Sonlight Curriculum (item # RL61, \$6.99) Fall 2017: <i>The Silmarillion</i> by J.R.R. Tolkien, any edition Spring 2018: <i>Much Ado about Nothing</i> by Wm. Shakespeare, any edition This class is a college prep course focused on reading and analyzing British literature, most from recommended reading lists for college-bound students. Selections studied will include the Old English period through the modern era. Students will develop their reading and writing skills with essays and reports. There will be weekly reading assignments as well as several papers and essay tests. *This class may be taken for two years, with the BJU text used both years and different novels read each year.		

HS	Biblical Worldview/Apologetics	\$60	Friday, 9-10am (time option 1)
	<p>Text: <i>Making Sense of Your World</i> by Phillips, Brown, and Stonestreet \$10 flash drive refundable deposit paid to the mentor</p> <p>Students will learn the significance of forming an adequate view of the world in which they live. Differing worldviews, their sources and histories will be compared. Additional readings will be assigned in addition to the main text. Basic concepts of critical thinking and the application of logic in examining conflicts faced in today's cultural settings. Introductory discussions in apologetics include applicable definitions. The course provides preparatory study for spiritual survival in the university culture and in our changing American society. Any pertinent question will be accepted and discussed. The material will be covered over the course of a full year. The fall semester is devoted primarily to opposing worldviews, and the spring semester to building a Biblical worldview. This course is open to parents. <u>This class is offered in two different time slots.</u></p>		

Friday, 10-11am

K	Activities , continued (see Friday 9-10am listing)		
1 st	American Heroes Text: none Students will learn about the men and women who made our nation great through arts & crafts, maps, games, and storybooks. Students will cover topics such as inventors, immigrants, the Wright Brothers, Theodore Roosevelt, and much more.	\$55	Friday, 10-11am
2 nd	Science Text: <i>ABeka 2nd Grade Enjoying God's World, #95753</i> This class will provide a hands-on opportunity to enrich the topics covered in the accompanying text. Students will explore topics such as plants, energy, stars, and planets this semester.	\$55	Friday, 10-11am
3 rd	American History Text: BJU history texts loaned by EMMA This class uses both the 3 rd and 4 th grade Bob Jones textbooks. Students will learn about topics including Indians, explorers , the Constitution, and the American Revolution. They will also learn about events up to the 1990s including the Civil War. Students will cover much material with weekly reading, written assignments, and hands-on activities.	\$55	Friday, 10-11am
3 rd -8 th	Beg. Orchestra Text: <i>Essential Elements for Strings Book 1 for Violin, Viola, Cello, or Bass</i> (instrument-specific method book with CD) plus stringed instrument (violin, viola, cello, or bass) and portable music stand Students will learn the basics of reading music notation in the treble clef (violins), alto clef (violas), and bass clef (cellos and basses) and will perform various musical articulations and understand basic music symbols and how to successfully interpret them when applying them to their weekly song assignments and as a group during class. Students will bring their own instrument, accessories and textbook with them to class every week and will have weekly playing quizzes from a specific song from their text that they must independently prepare through regular practice and perform in front of their peers each week. Students will give a group performance at the end of the semester at Arts & Sciences Night. <u>This class follows the high school schedule.</u>	\$125	Friday, 10-11am
4 th **	Int. Spanish Text: <i>Learn a Language Spanish Elementary Level 1</i> , ISBN 978-0-7647-0141-2 plus a Spanish/English dictionary Prerequisite: Elementary Beginning Spanish, equivalent, or permission from the mentor The first class will focus on reviewing what was learned in the last semester or what new students already know. The class will continue to review and learn new words, greetings, short dialogs, and play fun word games. Drawing and coloring pictures will enhance memorization. The workbook will be used in class and for homework along with handouts. The students must practice using their index cards, at home every day, along with their other homeschool work. Puppets and balls will be used to further aid in fun ways to learn Spanish. As always, correct pronunciation is the main focus. I look forward to teaching your children Spanish! **Please contact the mentor with placement questions. Students of different grade levels are permitted.	\$55	Friday, 10-11am
5 th /6 th	Literature Circle Text: none—students will analyze several pieces of literature which they may borrow from the library or purchase as a paperback Prerequisite: reading level at or above grade level; strong readers in 4 th grade may participate This course teaches students the basics of how to analyze a piece of literature. Students learn how to discuss the plot, characters, setting, and action of a piece of literature so that when they enter late middle school and early high school, they are familiar with the process. This is done through a creative way of involving students as they take turns being vocabulary detectives, character coordinators, discussion leaders, etc.	\$65	Friday, 10-11am
5 th	States & Regions Text: none—Internet access is extremely helpful required notebook provided by the mentor This class is designed to familiarize students with our great 50 states. Students will learn to locate all 50 states and memorize their capitals and abbreviations. They will study famous landmarks and people, and enjoy completing activities that aid in mastery of the geography of the USA. Public speaking skills will also be a focus as oral presentations are given for the regions of study.	\$65	Friday, 10-11am

6 th -8 th	Writing/Literature	\$65	Friday, 10-11am
	Text: <i>Summer of the Monkeys</i> by Wilson Rawls (needed the first week of class) <i>The Adventures of Tom Sawyer</i> by Mark Twain (needed later in the semester)		
	This class will focus on the study of literature and the basic elements of the writing process. Students will read and study two books per semester. Class time will consist of discussion and activities related to the weekly reading as well as writing instruction and application. During the fall semester, students will read two American classics, going deeper as they analyze them from a literary standpoint.		
	*This class may be taken for three years as different books are read each year.		
6 th -8 th	American Civics	\$80	Friday, 10-11am
	Text: none		
	fee includes historical model kit chosen by the student and ordered after the first class		
	This course is a fun activity-based class on key elements of American civics/government, and not intended to be a primary history course. Class time will include teacher-led lesson time as well as listening to historical audio dramas while working on models of historical buildings and other hands-on projects. Students of all learning styles should enjoy this fun approach while learning quite a bit about our American government! A short worksheet will be sent home each week. There are <u>no</u> quizzes or tests, but students will work on two projects to be completed at home: My Government Officials Notebook and the student's choice of three projects: a 3-D model of a historical monument, an art project of American patriotism, or an essay on "Why I Love Being an American". These will be on display at Arts & Sciences Night. Students will need access to the Internet for the first project. Fall semester emphasis will be on our government documents and symbols, the Preamble to the Constitution, three branches of government, how a bill becomes a law, and our government officials.		
6 th -12 th	Computer Science & Technology	\$120 + \$40 equipment fee	Friday, 10-11am
	Text: none—all materials and equipment provided		
	This class will cover a wide range of technology topics including computers, robotics, basic electronics, and programming. There will be lots of hands-on projects including building robots, electronic circuits, and computers. There will be plenty of programming to go with each. Code.org Computer Science curricula (CS Discoveries and CS Principles) will also be used in this class. Students will work together in pairs with their own robotics, electronics, and computer kits and can progress at their own pace.		
	<u>This class follows the high school schedule.</u>		
MS	Photography	\$85 + \$20 lab*	Friday, 10-11am
	Text: none		
	* fee is for 5 x 7 portfolios and photographs		
	This class is designed to help students become more comfortable and confident with their cameras and with taking photos by beginning with the basics of digital photography. Students will need access to a digital camera (Compact Digital Cameras or DSLR Cameras are acceptable), Internet access throughout the week, and a USB storage device.		
HS	Debate	\$70	Friday, 10-11am
	Text: \$5 student manual purchased from the mentor		
	This class will focus on beginning debate skills. Students will participate in several debates in-house during the semester. They will learn about researching a subject, documentation of facts, and how to make a convincing argument and rebuttal.		
HS	Algebra 2	\$150	Friday, 10-11am, and Tuesday, 9-10am
	Text: Saxon <i>Algebra 2</i> , 2 nd ed., ISBN 0-939798-62-X		
	Prerequisite: grade of C or above in Algebra 1		
	This class covers traditional second-year algebra plus geometric concepts and introduction to proof outlines. Completing this year-long course earns one semester of geometry credit (the second semester of geometry credit is earned after successful completion of Saxon Advanced Math). This course includes applications to physics, chemistry, probability, and statistics. A scientific calculator is required beginning in November; until then no calculator usage is allowed. (A graphing calculator may be used, but the text does not provide information on the key sequencing.) No teaching or grading of assignments is required by the parent. The fee includes mentor office hours on Tuesdays after class. This course is taught at an honors level.		
HS	Advanced Math	\$160	Friday, 10-11am, and Tuesday, 10-noon
	Text: Saxon <i>Advanced Math</i> , 2 nd ed.—student text and test packet required; solutions manual suggested		
	Prerequisite: Algebra 2 (Saxon) or Algebra 2 and Geometry in a traditional math sequence (e.g. BJU or ABeka)		
	Students will cover pre-calculus algebra and trigonometry concepts, as well as complete the study of geometry begun in the Saxon algebra texts. The class is fast-paced, but any student with a successful algebra background and a good work ethic can do well. Good attendance is a must to stay on track. An average grade of C or higher is required to return for the second semester. A scientific calculator is required. A graphing calculator is entirely optional.		
HS	SAT Prep (sem)	\$80	Friday, 10-11am
	Text: \$60 materials purchased from the mentor, www.collegeprepgenius.com		
	This unique, effective, and affordable PSAT/SAT prep class will enable the student to learn the recurring patterns found on these required tests in all graded areas including math, English, and essay writing. Detailed strategies, short-cuts, and acronyms will be valuable tools for raising scores. This class is recommended for ninth graders, but older high school students are welcome to enroll.		
	<u>This class will be repeated in this time slot for the Spring 2018 semester.</u>		

HS	Biblical Worldview/Apologetics	\$60	Friday, 10-11am (time option 2)
	Text: <i>Making Sense of Your World</i> by Phillips, Brown, and Stonestreet \$10 flash drive refundable deposit paid to the mentor		
	Students will learn the significance of forming an adequate view of the world in which they live. Differing worldviews, their sources and histories will be compared. Additional readings will be assigned in addition to the main text. Basic concepts of critical thinking and the application of logic in examining conflicts faced in today's cultural settings. Introductory discussions in apologetics include applicable definitions. The course provides preparatory study for spiritual survival in the university culture and in our changing American society. Any pertinent question will be accepted and discussed. The material will be covered over the course of a full year. The fall semester is devoted primarily to opposing worldviews, and the spring semester to building a Biblical worldview. This course is open to parents. <u>This class is offered in two different time slots.</u>		

Friday, 11-noon

K	Music	\$55	Friday, 11-noon
	Text: none Students will learn fun songs and explore rhythm instruments. They will also learn about the instruments found in the orchestra and learn about various classical composers.		
1 st	PE	\$55	Friday, 11-noon
	Text: none Through various fun games and activities, students will learn basic fundamental motor skills, movement concepts, and themes. This class will also focus on developing good sportsmanship and a healthy, active lifestyle.		
2 nd	World Geography	\$55	Friday, 11-noon
	Text: none Students will get their passports ready and travel the world. This semester, students will study Canada, Mexico, Brazil, and Australia. For each country they will learn about their language, their flag, the common animals, and culture of their people. The students will acquire a basic understanding of the globe including the names of continents, geographical features, and maps.		
3 rd	Science	\$55	Friday, 11-noon
	Text: <i>ABeka Exploring God's World</i> , 3 rd ed. #57312 or 4 th ed. #104612 Students will enjoy studying about the wonders of God's creation by doing hands-on activities, crafts, and experiments. They will study plants, animals, and the five senses.		
3 rd -8 th	Orchestra III	\$125	Friday, 11-noon
	Text: <i>Essential Elements for Strings Book 1</i> —instrument-specific method book with CD plus stringed instrument and portable music stand Prerequisite: EMMA's Orchestra II class from previous year or permission from the mentor through student observation set up with prospective family before first day of class Students will continue building on concepts introduced in Orchestra II and will begin focusing on more intermediate- to advanced-level articulations and techniques. Students will continue having weekly playing quizzes from their song assignments that they must independently prepare through regular daily practice and perform in front of their peers each week. Students will also participate in a community service project where Christmas music will be prepared to perform for the residents of area rest homes during a field trip. Students will give a group performance at the end of the semester at Arts & Sciences Night. <u>This class follows the high school schedule.</u>		
4 th	Art	\$60	Friday, 11-noon
	Text: none Students will use the seven elements of art in their projects with a closer look at the more complex elements. They will experiment with different techniques and mediums. Students will examine famous pieces of art and their artists.		
5 th **	Adv. Spanish	\$55	Friday, 11-noon
	Text: <i>Learn a Language Spanish Elementary Level 2</i> , ISBN 0-7647-0142-8 plus a Spanish/English dictionary Prerequisite: Elementary Intermediate Spanish, equivalent, or permission from the mentor The first class will focus on reviewing what was learned in the last semester or what new students already know. The class will continue to practice old and learn new words, greetings, phrases, short and longer dialogs, and play fun games to enable better learning. Drawing and coloring pictures will also enhance memorization. The workbook will be used in class and for homework along with handouts. An English/Spanish book about Jesus' life will be read by each student for reading practice. The students must practice using the index cards on which they have written words and phrases at home every day along with their homeschool work. Puppets and balls will also be used to further aid in fun ways to learn Spanish. As always, correct pronunciation is the main focus. Increased Spanish dialog during the class and at home will also be expected. **Please contact the mentor with placement questions. Students of different grade levels are permitted.		

6 th	Ancient History	\$65	Friday, 11-noon
	Text: BJU Press <i>Heritage Studies 6</i> student text, 3 rd ed. required notebooks provided by the mentor		
	Students will tour the lands, meet the peoples, and explore the cultures of ancient civilizations. This text is a beautiful, well-organized book that covers the ancient civilizations of Africa, Asia, Europe, and the Americas. Special emphasis is given to how these civilizations influenced the world today. Your child will be introduced to these topics within a Biblical worldview and will be encouraged to compare the beliefs of the represented religions with true, Biblical Christianity. This is a fascinating study and I am thrilled to have the opportunity to share these special units of study with your child. I take seriously the opportunity to help prepare my students for higher levels of study. There are tests on each unit, helping students learn the art of time management and study skills needed to achieve success in testing.		
6 th -12 th	Intermediate Sign Language	\$80 student/\$55 parent	Friday, 11-noon
	Text: none Prerequisite: Beginning Sign Language or equivalent Students will continue to build sign vocabulary and practice conversational skills, and will be encouraged to look for ways to use their skills in everyday life. No textbook is needed as we will use teacher-created handouts, supplemented by websites. Internet access and practice during the week is required. Learning activities, games, songs, and skits will be used. <u>This class follows the high school schedule.</u>		
7 th	Science	\$65 + \$15 lab	Friday, 11-noon
	Text: <i>Apologia Exploring Creation with General Science</i> , 2 nd ed., ISBN 978-1-932012-86-6 The purpose of this class is to strengthen students' overall understanding of science. Students will complete weekly reading and homework assignments, in-class experiments, interactive learning, a take-home test, and a project due at the end of the semester.		
8 th	Science	\$70 + \$30 lab	Friday, 11-noon
	Text: \$15 student manual purchased from the mentor This class is creation-based. Students will study and answer questions prior to class. The Internet is used. There will be lecture, but most of the class will be hands-on lab. Examples of subject studies: creation vs. evolution, laws of motion, stars, rockets, solar power, water cycle, and climate change. In the labs, students will build pendulums, telescopes, rockets, solar ovens, biospheres, and so much more.		
MS	Worldview	\$70	Friday, 11-noon
	Text: The Bible and student workbook-- <i>It All Begins in Genesis</i> by Answers in Genesis—purchased from the mentor for approximately \$13 depending on the number of students Middle school is a time of great transition as our children leave childhood behind and mature into young adults. Perhaps for the first time they are asking the “big” questions of life such as: Why am I here? On what basis do I make decisions? Is Christianity really true?, etc. This course helps students know how to base the foundation for their faith solidly on God's Word. Worldview is simply how we view the world. Everyone has a worldview. Every textbook is composed from a certain worldview as is every piece of literature, music, art, etc. That worldview is based either on God's Word or man's word. Using a curriculum by Answers in Genesis, students will learn how to use the first 11 chapters of Genesis as the foundation for their worldview. In the second semester, students will learn to recognize other world views--particularly in science--and compare them to God's Word. I have taught this course to middle school students for nine years. Teaching is has changed my life. I pray God will use it to enable your child to stand confidently and solidly on God's Word.		
10 th -12 th	American Literature	\$80	Friday, 11-noon
	Text: BJU <i>American Literature</i> , 2 nd ed. student text (not the 3 rd ed.) <i>Research Paper Packet</i> from Sonlight Curriculum (item #RL61, \$6.99) Fall 2017: <i>Autobiography of Benjamin Franklin</i> , any edition Spring 2018: <i>Anthem</i> by Ayn Rand, any edition This class is a college prep course focused on reading and analyzing American literature, most from recommended reading lists for college-bound students. Selections studied will include the colonial period through the modern era. Students will develop their reading and writing skills with essays and reports. There will be weekly reading assignments as well as several papers and essay tests. *This class may be taken for two years, with the BJU text used both years and different novels read each year.		
10 th -12 th	Adv. Writing/ World Literature	\$80	Friday, 11-noon
	Text: ABeka <i>World Literature</i> , 3 rd or 4 th ed. This class is the next step for those who have completed EMMA's 8 th -10 th Foundations of Writing & Literature. Students will continue working through the writing process with specific emphasis on literary analysis. The main text is an anthology of world literature that includes a wide variety of genres and authors. Students will also read two classical novels during the course of the school year and create a literature portfolio during the spring semester. In addition to writing, class time will be used for discussion of authors, their works, and the historical framework in which their writing took place.		
HS	Yearbook	\$75	Friday, 11-noon
	Text: none Students will be responsible for designing the 2017-2018 EMMA Yearbook. This will include, but is not limited to, all the aspects of the yearbook—design, photography, promotion, and distribution. Students will need to have Internet access throughout the week. <u>This class follows the elementary/middle school schedule.</u>		

HS	Financial Peace	\$80	Friday, 11-noon
	<p>Text: \$30 student workbook purchased from the mentor "Dave Ramsey's popular financial class specifically targeted to teens" This class will empower your student to make sound financial decisions for life. Students will learn practical applications on saving, investing, credit cards, balancing a checkbook, debt, budgeting, financial responsibility, and money management. Students will learn about career choices that fit their personality styles and occupational desires. Students will be given tests and a final exam.</p>		
HS	Advanced Biblical Worldview/Apologetics	\$80	Friday, 11-noon (time option 1)
	<p>Text: <i>Understanding the Times</i> (text and online software package), Myers & Noebel All information, supplemental readings, and videos will be accessed online. Student license is \$29.95 for the year. The textbook will be online also, but a print copy of the text and the additional reading will be available. The cost for them has not been released. Prerequisite: EMMA's Biblical Worldview/Apologetics. No prerequisite for seniors. Students may apply for college credit at the end of the school year based on chapter exam scores. Since this is a college credit course, it will be rigorous and require study throughout the week. Students will learn how expressions of the different world views examined in the previous course have infiltrated various aspects of contemporary Western culture. They will draw from and expand the application of the handouts and online readings from the previous class. Since this course will be more topical than the initial course, and we will pursue those specifics in more detail, more of the topic-specific material will be introduced. The full curriculum will require both semesters. This course is open to parents. <u>This class is offered in two different time slots.</u></p>		

Friday, 12:30-1:30pm

K	Art	\$60	Friday, 12:30-1:30pm
	<p>Text: none—all supplies included Students will study shapes, colors, and patterns. They will create art based on memory, imagination, and observation. They will explore the use of different mediums while creating fun works of art!</p>		
1 st	Art	\$60	Friday, 12:30-1:30pm
	<p>Text: none—all supplies included Students will be introduced to the elements of art. They will create age-appropriate projects using various mediums incorporating these elements.</p>		
2 nd -4 th	PE	\$55	Friday, 12:30-1:30pm
	<p>Text: none The focus will be on the use of movement skills necessary in a variety of physical activities and sports. Students will demonstrate participation in a variety of recreational, individual, and team sports. The students will participate in moderate to vigorous activities for designated time lengths. These activities will include movement for cardiovascular/respiratory fitness, muscle strength, muscular endurance, and flexibility development.</p>		
3 rd	Art	\$60	Friday, 12:30-1:30pm
	<p>Text: none Students will highlight the seven elements of art as they create projects using various mediums and techniques. They will be introduced to famous works of art.</p>		
3 rd -8 th	Beg. Guitar	\$125	Friday, 12:30-1:30pm
	<p>Text: <i>Hal Leonard Guitar Method Book 1</i> with accompaniment CD, acoustic guitar, and portable music stand Students will learn the basics of reading music notation in the treble clef and will perform various musical articulations and understand basic music symbols and how to successfully interpret them when applying them to their weekly song assignments and as a group during class. Students will bring their own instrument, accessories and textbook with them to class every week and will have weekly playing quizzes from a specific song from their text that they must independently prepare through regular practice and perform in front of their peers each week. Students will give a group performance at the end of the semester at Arts & Sciences Night. <u>This class follows the high school schedule.</u></p>		
4 th /5 th	LEGO Mindstorm & Edison Robotics with Coding	\$120 + \$40 equipment fee	Friday, 12:30-1:30pm
	<p>Text: none—all materials and equipment provided This class combines programming and hands-on robotics to give students the opportunity to learn programming skills and apply those skills as they build, program and operate LEGO-related robots. Students will start with LEGO-compatible Edison robot kits. They will use "drag & drop" program blocks and barcode scanning to program the robot to detect light, sound, and obstacles to make logical decisions driving motors, lights, and audio. As students become proficient at building and programming, they will begin using LEGO Mindstorm EV3 robot kits. Students will build a base robot and learn how to program it using "drag & drop" graphical programming. After the students move through basic programming, they will have the opportunity to build custom robots and operate them using autonomous programming or with manual remote controls and smart phone apps. The Code.org (Code Studio) will also be used to improve students' logical thinking and programming skills. Students will work together in pairs with their own robot kits and can progress at their own pace.</p>		

4 th -7 th	Music/Drama Text: \$10 copy of musical purchased from the mentor Musical TBD. Students will be eligible to try out for solos and speaking parts. Students will perform the musical on Arts & Sciences Night.	\$55	Friday, 12:30-1:30pm
7 th /8 th	American History Text: <i>ABeka America Land I Love</i> (3 rd ed.) Students will study the people and the events that shaped (and continue to shape) the United States of America. We will use an excellent and interesting history text as we move from the beginning association between the Native Americans and the Europeans all the way to modern day. Class time will consist of quizzes, application, and enrichment. There will also be an end-of-semester project.	\$70	Friday, 12:30-1:30pm
MS	Math Review Text: none This class will review basic fundamentals and prepare students for algebra and geometry. The class is not meant to be the sole math curriculum for the student, but rather to reinforce key concepts with repetition, gimmicks, visual aids, worksheets, projects, and more--and to give the parent an idea of topics that need attention. Students have a better chance of succeeding in higher math courses if they are prepared and know the fundamentals by rote. Homework will be assigned weekly to reinforce class instruction.	\$75	Friday, 12:30-1:30pm
8 th /HS	Advanced Sign Language Text: none Prerequisite: Intermediate Sign Language or equivalent In addition to acquiring more vocabulary and conversational skills, the students will learn more about the grammar and parameters of ASL. They will also review the history of ASL and deaf culture, and be encouraged to use their signing skills outside of the classroom. Internet access and practice during the week is required. <u>This class follows the high school schedule.</u>	\$80 student/\$55 parent	Friday, 12:30-1:30pm
HS	World Geography Text: <i>Student Workbook for Around the World in 180 Days</i> by Sherrie Payne, ISBN 978-1-932012-24-8 available through Apologia Press. Students may purchase either the "old" workbook with the above ISBN or the newer workbook with ISBN 978-1-935495. This course covers each of the seven continents individually. Students not only learn about the geography of the continent, but also how that plays into its culture and current events/issues.	\$70	Friday, 12:30-1:30pm
HS	Public Speaking Text: \$5 student manual purchased from the mentor Students will learn to write a speech and use bullet points, learn techniques of speaking and practice those techniques in class. They will use what they have learned to present a 3-5 minute speech at the end of the semester. The goal is for the students to feel comfortable presenting a subject about which they are passionate.	\$70	Friday, 12:30-1:30pm
HS	Food & Nutrition Text: student handbook supplied by the mentor Students will learn about kitchen basics, good nutrition, meal management, and food preparation. Each student will participate in cooking labs to teach the basics of preparing and cooking different kinds of foods. This knowledge will help students gain confidence and ability in cooking. The goal for each student is to be comfortable in the kitchen whether planning, helping, or cooking. There will be reading homework, quizzes, and a final exam. Mentor supplies all ingredients for each lab. Most of the student's utensil supplies can be brought from home. Cooking can be FUN!	\$100 + \$30 lab	Friday, 12:30-1:30pm
HS	Drawing Text: none; most materials supplied by the mentor (see syllabus for drawing pad and pencil set requirements) This class will cover basic concepts in drawing. Students will begin with basic line drawing and work up to shading. Homework will be assigned which will reinforce techniques learned in class. Students will draw from what they see. Students will mainly use drawing pencils, but will experiment with other mediums as well.	\$70	Friday, 12:30-1:30pm
HS	Drafting (sem) Text: <i>Practical Drafting</i> by Melvin Peterman (available through Rainbow Resource Center) This hands-on class will teach technical drawing skills from lines and sketching through the material in an introductory high school drafting course. This is hand drafting, not AutoCAD. Students will find these skills applicable to a variety of trades such as carpentry, plumbing, electrical work, and pattern drafting for sewing or crafts. These drawings also offer the visual learner a better understanding of geometry and mathematical scale/ratios. Most work will be done in class, although there will be occasional homework to practice skills. <u>Logic will be offered in this time slot for the Spring 2018 semester.</u>	\$70	Friday, 12:30-1:30pm
HS	Spanish 2 Text: <i>ABeka Spanish 2 A and B and Vocabulary Manual 2 Mas Que Vencedores</i> Prerequisite: EMMA's Spanish 1 or permission from the mentor This class will focus on sentence structure and verb conjugation including past tense, imperfect tense and reflexive verbs. Students will continue to practice conversation and vocabulary. Every week, students will be assigned daily written work, Internet assignments that will aid in listening to native speakers and practicing pronunciation, and quizzes on vocabulary. Completing both semesters of this course should help the student achieve the second year of foreign language credit.	\$80	Friday, 12:30-1:30pm

HS	Advanced Biblical Worldview/Apologetics	\$80	Friday, 12:30-1:30pm (time option 2)
	<p>Text: <i>Understanding the Times</i> (text and online software package), Myers & Noebel All information, supplemental readings, and videos will be accessed online. Student license is \$29.95 for the year. The textbook will be online also, but a print copy of the text and the additional reading will be available. The cost for them has not been released.</p> <p>Prerequisite: EMMA's Biblical Worldview/Apologetics. No prerequisite for seniors. Students may apply for college credit at the end of the school year based on chapter exam scores. Since this is a college credit course, it will be rigorous and require study throughout the week. Students will learn how expressions of the different world views examined in the previous course have infiltrated various aspects of contemporary Western culture. They will draw from and expand the application of the handouts and online readings from the previous class. Since this course will be more topical than the initial course, and we will pursue those specifics in more detail, more of the topic-specific material will be introduced. The full curriculum will require both semesters. This course is open to parents.</p> <p><u>This class is offered in two different time slots.</u></p>		

Friday, 1:30-2:30pm

1 st -3 rd	Music	\$55	Friday, 1:30-2:30pm
	<p>Text: \$10 copy of musical purchased from the mentor Musical TBD. Students will perform the musical on Arts & Sciences Night.</p>		
2 nd /3 rd	LEGO WeDo Science & Robotics with Coding	\$120 + \$40 equipment fee	Friday, 1:30-2:30pm
	<p>Text: none—all materials and equipment provided This class uses the LEGO Education WeDo core set and curriculum. Using LEGO WeDo robotics kits, students will follow instructions to build a variety of LEGO models and use simple drag and drop icons to read sensors and activate motors in a logical fashion. This programming platform also allows for mathematical operations, sound, and display effects for capable students. Students will create computer programs with loops and events for everyday tasks. They will learn to collaborate with others meaningfully and investigate different problem-solving techniques. Programming is an important part of 21st century learning. The WeDo 2.0 software teaches programming in an intuitive way—letting students bring their creations to life while sharpening computational thinking skills like logical reasoning, pattern recognition, and modeling simulations. The software also features a colorful drag and drop interface that is easy for students to use and understand. The Code.org (Code Studio) will also be used to improve students' logical thinking and programming skills. Students will work together in pairs with their own robot kits and can progress at their own pace.</p>		
4 th	Science	\$60 + \$10 lab	Friday, 1:30-2:30pm
	<p>Text: Apologia <i>Exploring Creation with Botany</i>, ISBN 978-1-932012-49-1 Students will explore creation through the study of plants with hands-on activities and outdoor exploring. There will be weekly reading and homework assignments, in-class experiments and worksheets, take-home tests, and a project due at the end of the semester.</p>		
5 th	Art	\$65	Friday, 1:30-2:30pm
	<p>Text: none—all supplies included During this semester, the class will discover various drawing techniques using pencil, colored pencils, chalk, and pastels. Students will complete several pieces using these mediums along with pumpkin painting and a Christmas project. The students will also learn about famous artists and some of their works.</p>		
5 th -7 th	Grammar , Spelling, and Vocabulary	\$65	Friday, 1:30-2:30pm
	<p>Text: ABeka <i>God's Gift of Language C</i> (3rd ed.) This is a straightforward class with a strong emphasis on the basics of grammar. Topics covered include parts of speech, punctuation, capitalization, sentence construction, and reference skills. A new spelling and vocabulary list will be part of every assignment. Class time will consist of quizzes, application, and enrichment. *This class may be taken for two years as different curricula (with differing approaches and emphases) are used.</p>		
5 th -8 th	PE	\$60	Friday, 1:30-2:30pm
	<p>Text: none The class will have the student apply manipulative skills in drills, activities, and games. The student will develop an understanding of basic offensive and defensive tactics and strategies.</p>		
6 th -12 th	Art	\$65	Friday, 1:30-2:30pm
	<p>Text: none This art class will offer a variety of experiences including drawing, painting, and sculpture. Art appreciation will also be taught using famous artists as a catalyst for the art lesson. <u>This class follows the elementary/middle school schedule.</u></p>		

6 th -12 th	Beginner Chorus	\$125	Friday, 1:30-2:30pm
	Text: <i>Sing at First Sight: Foundations in Choral Sight-Singing</i> Level 1 and parents of student must have the ability to print uploaded songs on mentor's website to insert into student's repertoire binders		
	Students will learn the basics of reading music notation in the treble clef and will perform various musical articulations and understand basic music symbols and how to successfully interpret them when applying them to their weekly song assignments and as a group during class. Students will learn proper vocal warmup techniques and the solfege system of pitch syllables. Students will bring their textbooks and repertoire binders with them to class every week with their songs and exercises prepared to the best of their ability. Students will give a group performance at the end of the semester at Arts & Sciences Night.		
	<u>This class follows the high school schedule.</u>		
8 th /HS	Algebra 1	\$150	Friday, 1:30-2:30pm, and Tuesday, 12:30-1:30pm
	Text: Saxon <i>Algebra 1</i> , 3 rd ed., ISBN #1565771346		
	This class covers traditional first-year algebra (with integrated geometry) preparing the student for Algebra 2. No calculators are allowed in this class. No teaching or grading of assignments is required by the parent. The fee includes mentor office hours on Tuesdays after class. The course is taught at an honors level.		
	<u>This class follows the high school schedule.</u>		
HS	Geometry	\$140	Friday, 1:30-2:30pm, and Tuesday, 9-10am
	Text: BJU <i>Geometry</i> , 3 rd ed., student text		
	Prerequisite: Algebra 1		
	This is a course for students who have not completed Saxon Math through Advanced Math (or who are making a lateral move to geometry before attempting Saxon Algebra 2), and thus need a separate geometry course. This course includes constructions and proofs.		
HS	Photography	\$85 + \$20 lab*	Friday, 1:30-2:30pm
	Text: none		
	* fee is for 5 x 7 portfolios and photographs		
	This class is designed to help students become well-rounded in the fundamentals of digital photography. This class will emphasize, but is not limited to, four areas of instruction: camera functions, how composition works, natural lighting vs. artificial lighting and the basic knowledge of photo editing software. Students will need access to a digital camera (Compact Digital Cameras or DSLR Cameras are acceptable), Internet access throughout the week, and a USB storage device.		
HS	U.S. Government (Civics) (sem)	\$75	Friday, 1:30-2:30pm
	Text: see below		
	EXPLORING GOVERNMENT is a one semester high school course that provides a half-year credit in government (Civics). Lessons cover federal, state, and local government and also contemporary issues in government. Special emphasis is placed on the Biblical basis for government and on the United States Constitution.		
	Note: Due to changes in the Notgrass curriculum listed below, parents MUST order the 2016 editions as any old editions are not compatible with the student workbooks.		
	www.history.notgrass.com/exploring-government-curr www.history.notgrass.com/exploring-government-curr		
	For Government, parents will need to purchase:		
	EXPLORING GOVERNMENT CURRICULUM PACKAGE (includes the text and a collection of supplemental primary sources and essays called WE HOLD THESE TRUTHS) AS WELL AS THE EXPLORING GOVERNMENT STUDENT REVIEW PACK (includes the student review, quiz/exam book). The EXPLORING GOVERNMENT package is \$54.95 and the EXPLORING GOVERNMENT STUDENT REVIEW PACKAGE is \$9.95.		
	<u>Economics will be offered in this time slot for the Spring 2018 semester.</u>		
HS	Spanish 1	\$80	Friday, 1:30-2:30pm
	Text: ABeka <i>Spanish 1 A and B</i> , and vocabulary book <i>Por Todo El Mundo</i>		
	Using the text as a guide, students will practice the fundamentals of Spanish including pronunciation, sentence structure, verb conjugation, and vocabulary. Class time emphasis will be on practicing conversation, pronunciation, skits, games, and flashcards to help build memory and get the students speaking in Spanish as much as possible. Every week students will be assigned daily written work and Internet assignments that will aid in listening to native speakers and practicing pronunciation, and have quizzes on vocabulary. Both semesters of this course should help the student achieve one full year of foreign language credit.		

Tuesday, 9-10am

HS Geometry, second day (see Friday 1:30-2:30pm listing)

HS Algebra 2, second day (see Friday 10-11am listing)

Tuesday, 10-11am

HS Biology \$110 + \$30 lab Tuesday, 10-noon
 Text: \$25 student manual purchased from the mentor
 Students will complete a research-based study of all living things. The fall semester will cover cells and the human body. The students will write a research paper during the semester.
 Labs: 11 of 15 weeks

HS Advanced Math, second day (see Friday 10-11am listing)

8th/HS Technology \$190 + \$60 equipment fee Tuesday, 10-noon
 Text: none—all materials and equipment provided
 This class will cover a wide range of technology topics including computers, networking, robotics, basic electronics, programming, motors and controls, AC and DC electricity, programmable logic controllers, digital vs. analog, and computer-aided design (CAD). Students will learn about advanced manufacturing involving industrial computers (Programmable Logic Controllers "PLC"), motors, motor controls, and microcontrollers. They will learn the fundamentals of AC and DC electricity, digital electronics, and microcontroller programming. CAD software will be used to design electrical diagrams and schematics. Students will control motors with computer-controlled power electronics. The PLC will be connected and programmed to accept digital inputs, make program decisions, and control output devices such as lights, relays, and simple motor controls. This class will cover basic computer hardware fundamentals with the latest advancements in computer technology. Hardware components are defined and their functions are explained. Networking will be covered including network hardware such as routers, switches, and modems. Students will learn how the Internet works. There will be lots of hands-on projects including building robots, electronic circuits, and computers. There will be plenty of programming to go with each.
This class follows the high school schedule.

Tuesday, 11-noon

HS Biology, continued (see Tuesday 10-11am listing)

HS Advanced Math, continued (see Friday 10-11am listing)

7th/8th Algebra ½, second day (see Friday 9-10am listing)

8th/HS Technology, continued (see Tuesday 10-11am listing)

Tuesday, 12:30-1:30pm

HS Chemistry \$110 + \$20 lab Tuesday, 12:30-2:30pm
 Text: \$25 student manual purchased from the mentor (+chemistry texts available to rent for \$20/year)
 Prerequisite: Algebra 2 (or concurrent)
 Students will do a research-based study into all areas of chemistry. They will write a research paper during the semester.
 Labs: 11 of 15 weeks

8th/HS Algebra 1, second day (see Friday 1:30-2:30pm listing)

Tuesday, 1:30-2:30pm

HS Chemistry, continued (see Tuesday, 12:30-1:30 listing)

Some high school classes are offered on a rotating basis (e.g. every other year). EMMA's schedule allows students to take most required courses for high school graduation within the four years allotted for high school.