

# **Legacy Homeschool Center**

**2021/2022 Class Catalog**



**High School Chemistry: *Cydney Adler*****Time:** 8:30 AM to 10:00 AM**Grade:** 10 to 12**Class Size:** 8 to 20**Cost:** \$40.00 monthly, \$65.00 materials**Text (Provided by Student):** Exploring Creation with Chemistry, Text AND Solutions Manual (3rd Edition) Kristy Plourde Apologia Educational Ministries / Student purchased. Scientific Calculator that can handle exponents and scientific notation**Prerequisites:** Algebra 1 and the ability to read, write and comprehend at grade level. Familiar with the use of the calculator**Student Expectations:** All students will be expected to complete labs, homework and tests on time, and be fully prepared to participate in each class. This includes bringing Research Notebook, calculator and a pen to class each week. No auditing**Description:** This is Apologia's general (core) high school/college prep chemistry course. This Christ-centered course covers significant figures, units of measure, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium. Class time will be used for lecture, videos and experiments. Students will be expected to read 20-25 pages of text, complete Review Questions and Practice Problems, tests and lab notebook entries for each module (2 weeks/module). This class fulfills the requirement for an algebra based lab science. I do not recommend by-passing age or class suggestions.

**Basic Accounting: *Shawna Alexander*****Time:** 9:00 AM to 10:00 AM**Grade:** 8 to 12**Class Size:** 4 to 20**Cost:** \$28.00 monthly, \$40.00 materials**Text (Provided by Teacher):** Multiple texts are used as sources. Teacher to provide all text information necessary for class.**Text (Provided by Student):** Binder for note-taking, homework, in-class work**Prerequisites:** Student must be either enrolled in or have completed Algebra 1.**Student Expectations:** Student needs access to a spreadsheet program such as Excel or Numbers.

**Description:** This class will examine the building blocks of basic accounting and business finance and how decision-makers use accounting information to inform their decisions. We will also touch on various personal finance topics such as balancing a checking account, maximizing savings, high rise vs. low risk financial decisions, determining personal financial position and worth, employment forms, and personal income tax planning and preparation. This class will lay the ground work for students to gain confidence to apply to their personal financial decisions, provide insight to help plan for their financial future, and apply accounting reasoning and analysis to important decision-making situations. Students will learn the building blocks of financial statements, assets, liabilities, equity, income, expenses, depreciation, as well as bookkeeping and the accounting cycle. The class will begin with accounting fundamental - an explanation of debits, credits, financial performance, solvency, and reading, preparing, and understanding financial statements. Then we will progress to accounting for fictional companies of the student's choice. Later we will audit the accounting done for fictional companies. We will end the year with the personal finance topics previously listed above. This course may be used as an Occupational Education credit on High School Transcripts.

**Beginning Music Theory, Level 1: *Vicki Nurte*****Time:** 9:00 AM to 10:00 AM**Grade:** 4 to 12**Class Size:** 4 to 20**Cost:** \$20.00 monthly, \$30.00 materials**Text (Provided by Teacher):** Celebrate Theory, The Royal Conservatory, Level 1**Student Expectations:** Students will complete occasional homework assignments.

**Description:** No study of music is complete without understanding the basics behind the music. Basic Music Theory is based on the Royal Conservatory Music Development Program, utilizing their acclaimed materials. Class is designed for all those who love music, whether instrumentalists or vocalists. We will begin with very basic theory, including reading music, and will quickly move to sight reading, ear training, scales, intervals and much more. The scope of the class depends in large part on how quickly the concepts are learned.

**Bible Memory Class: Matthew 5-7 and John 14: *Holly Postma*****Time:** 9:00 AM to 10:00 AM**Grade:** 6 to 12**Class Size:** 3 to 20**Cost:** \$0.00 monthly, \$20.00 materials**Text (Provided by Teacher):** Bible text, from which we will memorize, and binders will be provided by the teacher. Additionally, the teacher will provide both weekly and chapter awards for those who successfully memorize the assignments.**Text (Provided by Student):** The Holy Bible**Student Expectations:** Students will have a fair amount of homework in this class. Please come ready to work hard! Students will be required to bring their Bible and the workbooks I provide to the class time each week.

**Description:** Matthew 5-7 and John 14 are a deep dive into the person of Jesus Christ, His teaching for the church, His Supremacy, our freedom in Him, how He has designed Christians to live, and God's redemption of His people through Jesus Christ- revealing the true identity of the believer in certain, compelling terms. These texts are wonderful preparation for a student's life in Christ as they prepare to leave home and encounter a world that would attempt to separate them from their faith, and the parents who trained them in the way they should go. John 14 is a beautiful continuation of the teaching of Christ because it further highlights what Christ has done for us, designed us for, and what that calls out in each of our lives- exposing the beliefs, attitudes, and assumptions we allow to govern our thoughts and therefore our behavior. These passages also encourage us to trust in Jesus, the author, and perfecter of our faith. Let's hide God's word in our hearts that we might not sin against Him but follow, obey, and live into the truth He has revealed in His Word!

**Biblical Science 1-3: *Scott Kahler*****Time:** 9:00 AM to 10:00 AM**Grade:** 1 to 3**Class Size:** 8 to 24**Cost:** \$20.00 monthly, \$25.00 materials**Student Expectations:** Students should come ready to learn about the wonders of our Creator and creation in a hands-on, fun environment. Homework will consist of optional resources to read, explore, or view online.

**Description:** This class will follow the Genesis creation days as students explore the science and wonder of the matter, energy, time, and space that God has placed us in. Object lessons, hands-on learning, and multimedia content will be used along with lectures to excite, inspire, and teach about our world and how the creation bears the mark of the Creator. Along the way, we'll delve into the largest and smallest scales of the material world from electrons to galactic clusters. We'll marvel at the design, intricacy, and order of our everyday world as students learn about the plant and animal kingdoms with a special emphasis on God's most cherished creation - us!

**Earth Science Level I: *Patrick Nurre*****Time:** 9:00 AM to 10:00 AM**Grade:** 4 to 9**Class Size:** 6 to 20**Cost:** \$25.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Teacher will provide the Textbook (Geology for Kids and Lab book, both written by the instructor) and any needed class handouts for discussion and research.**Text (Provided by Student):** Students will provide colored pencils, spiral notebook, 3 ring binder and some craft/kitchen supplies as needed for projects.**Prerequisites:** None**Student Expectations:** Able to maintain interest and completion of assignments. Able to participate in class discussions is helpful.**Description:** In Earth Science Level I, students will learn both the science and Biblical history of Earth. They will learn how to identify rocks, minerals, fossils and landforms. Students will also begin to learn how to unravel some of the greatest challenges to faith in Genesis. Students will be expected to complete homework assignments and there will be some memory of Biblical passages. Students will be expected to participate in class discussions. Outside homework and reading should occupy about 1 hour per week for the student. No grades or major tests are given for this level. Each student will receive a basic rock and fossil set to aid in their understanding of Earth Science and Earth History.**Intermediate Guitar: *Jim Jensen*****Time:** 9:00 AM to 10:00 AM**Grade:** 7 to 12**Class Size:** 7 to 20**Cost:** \$30.00 monthly, \$25.00 materials**Text (Provided by Teacher):** Ernie Ball Guitar 2**Student Expectations:** Commitment to growing in ability to play guitar. Practice at least 30 minutes/day 5 days a week. Students must have completed Beginning Guitar class at Legacy or equivalent. Teacher must verify and admit students to class if they have not been through Beginning Guitar.**Description:** This class will begin where the Beginning Guitar class left off, and offer students the opportunity to increase their ability and enjoyment. A greater number of chords and techniques will be learned including sight reading, strums, finger picking, and barr chords. Students will learn many praise and worship songs that will increase in difficulty, as well as some music theory. The goal of the class is to equip students with the ability to play in various ministry situations including children's programs and youth worship.**Karate Kids 2-4: *Josh Alexander*****Time:** 9:00 AM to 10:00 AM**Grade:** 2 to 4**Class Size:** 4 to 20**Cost:** \$25.00 monthly, \$20.00 materials**Prerequisites:** No martial arts experience is required.**Student Expectations:** Students should try their best, participate, and have fun. Students should also dress for ease of movement. It is recommended that students practice the techniques taught in class at home.**Description:** Students will learn basic Shudokan Karate skills to help build self-confidence, bully defense, stranger defense, and respect for parents and teaches. Class will include kicks, punches, stances, blocks, kata, bag drills, and games to build physical awareness and, most of all, have fun. Once during the year, students will perform their kata for their parents. No belts are awarded in this class. Class is taught by a certified Shudokan Karate Black Belt.**Middle School Writing: *Jennifer Holmes*****Time:** 9:00 AM to 10:00 AM**Grade:** 6 to 9**Class Size:** 5 to 15**Cost:** \$30.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Teacher will provide all necessary materials (binder & tabs, course material handbook, grammar workbook).**Prerequisites:** Student should be able to write a basic sentence and read at a 5th grade level.**Student Expectations:** Student should come to class prepared and have completed their weekly homework assignment.**Description:** Like Swiss cheese, everyone has holes in their writing. All that may be needed is a little bit of review. This course is geared toward the middle school student. It will provide a comprehensive review of language and a foundation for solid writing in the future. Activities include keeping an independent reading log, reviewing grammar basics through weekly workbook assignments, completing short writing assignments, learning the eight stages to writing, and interacting with peers. This class is a fun way to review the building blocks of writing by using games, activities, quizzes, and peer interaction. Estimated homework expectation: 3 hours a week. For more information or a syllabus: pejl1985@comcast.net.

**Academic Writing: Jennifer Holmes****Time:** 10:10 AM to 11:10 AM**Grade:** 9 to 12**Class Size:** 5 to 15**Cost:** \$35.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Teacher will provide necessary materials.**Prerequisites:** Student must be able to write a basic paragraph and have access to a computer, printer, and the internet.**Student Expectations:** Student should come to class prepared and have their weekly homework completed.**Description:** Writing is like math because it is objective; however, writing is not like math because it is subjective. This class provides students with the objective structure and subjective feedback needed to be successful writers. Its goals include teaching how to write a basic five paragraph essay, supplying tips to improve writing, and giving practice through a variety of assignments. Essay forms introduced: expository, persuasive, literary analysis, opinion editorial, and college admissions essay. Coursework involves lecture, note taking, vocabulary, composition, peer editing, grammar review, and quizzes. Academic Writing qualifies as a high school English credit. This class is repeatable. Each year is unique and offers a variety of essay topics to further writing practice. Homework expectation is approximately 4 hours a week. For syllabus or questions: pejl1985@comcast.net.**Algebra 2: Kristine Grigas****Time:** 10:10 AM to 11:10 AM**Grade:** 10 to 12**Class Size:** 8 to 20**Cost:** \$40.00 monthly, \$25.00 materials**Text (Provided by Teacher):** Quizzes, tests, and other handouts.**Text (Provided by Student):** 1) Textbook: Algebra and Trigonometry, Functions and Applications, Paul Foerster, isbn: 0201324601 or 0201861011 2) Solution Manual, isbn: 0201252864**Prerequisites:** Completion of a high school geometry course and a rigorous Algebra 1 course. Please contact instructor if you have questions regarding your student's readiness.**Student Expectations:** Students are expected to have the maturity and motivation to manage classwork which includes daily homework assignments and a weekly graded quiz or test. Students are expected to communicate with parents and instructor if extra help is needed. Parents are expected to monitor student progress and provide needed support.**Description:** A rigorous, traditional Algebra 2 class designed to prepare a student for college. Topics include linear functions, systems of equations and inequalities, complex numbers, quadratic, exponential, logarithmic, rational, and irrational Algebraic functions, quadratic relations, and an introduction to trigonometry including circular functions and trig properties. Algebra is presented as a study of special classes of functions. In the process, relationships between theory and real-world applications are thoroughly explored. Student must have a solid understanding of Algebra I and Geometry before taking this class. Expect 5-7 hours coursework per week. Homework should be done and corrected daily. Tests provided by the instructor and are to be proctored by the parent. Course grades based on homework, tests, and class participation. Books can be purchased used or from publisher.**American History: Modern Times: Michelle McCamish****Time:** 10:10 AM to 11:10 AM**Grade:** 3 to 5**Class Size:** 4 to 12**Cost:** \$28.50 monthly, \$50.00 materials**Text (Provided by Teacher):** Student Binder and in-class materials.**Text (Provided by Student):** "Our Star-Spangled Banner Part 2" by Notgrass History. 4 literature books that align with the time period will be assigned as well. Suggested booklist choices will be sent during the summer.**Student Expectations:** Student completes reading assignments each week.**Description:** Come explore American History from the Civil War to Modern Times! Notgrass history offers a beautiful textbook as a spine that weaves together major events, people, and accomplishments of the recent centuries. In class, we will cover the time period through timelines, maps, discussion, crafts, games, videos and more. Each student will also receive two president flash cards each class to gradually learn them in order. At home, the student will do some gentle notebooking focusing on each USA region at a time. Working on two states a week. After learning a new region we will take a test on the states names and capitals.**Beginning Guitar: Jim Jensen****Time:** 10:10 AM to 11:10 AM**Grade:** 6 to 12**Class Size:** 8 to 20**Cost:** \$25.00 monthly, \$25.00 materials**Text (Provided by Teacher):** Ernie Ball Guitar 1**Student Expectations:** Be committed to learning and practicing at least 20 minutes/day, 5 days a week**Description:** Beginning Guitar will teach students the basics of playing the guitar, even if they have not had previous experience playing an instrument. Chords, as well as some note reading and tabs will be learned, and before long they will be playing a number of songs. The goal is that they will play the guitar for personal enjoyment as well as to minister to others. A variety of children's songs, praise songs, etc. will be learned. An instruction book, and hand-outs will be supplied. The student needs to bring an acoustic guitar to class.**Biblical Apologetics: Patrick Nurre****Time:** 10:10 AM to 11:10 AM**Grade:** 9 to 12**Class Size:** 6 to 20**Cost:** \$25.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Teaching will provide the textbook, 4 Powerful Words, written by the author as well as all necessary handouts and worksheets.**Text (Provided by Student):** Students will provide a spiral-bound notebook and be expected to take notes.**Prerequisites:** None**Student Expectations:** Students will be expected to complete reading assignments and come prepared to discuss the topics as they unfold in future classes.**Description:** Biblical Apologetics is designed to help the student develop sound critical thinking skills and discernment when reading science material to distinguish the differences between science, history, philosophy or interpretation and consensus. The course is designed to help equip the student with apologetics skills to help them engage in

discussions with others. The course is taught from a Genesis-is-history perspective and the student will learn how to use the Scriptures to address modern issues that seem to trip up the faith of Christians; to prepare them to help others see that Scripture has genuine answers to modern-day issues. 1 hour of reading per week outside of class will be expected. There will be no grades given. However, there will be quizzes from time to time. The student will be expected to bring a Bible to class each week and participate in class discussions.

**Biblical Science 4-6: Scott Kahler****Time:** 10:10 AM to 11:10 AM**Grade:** 4 to 6**Class Size:** 8 to 24**Cost:** \$20.00 monthly, \$25.00 materials**Student Expectations:** Students should come ready to learn about the wonders of our Creator and creation in a hands-on, fun environment. Homework will consist of optional resources to read, explore, or view online.**Description:** This class will follow the Genesis creation days as students explore the science and wonder of the matter, energy, time, and space that God has placed us in. Object lessons, hands-on learning, and multimedia content will be used along with lectures to excite, inspire, and teach about our world and how the creation bears the mark of the Creator. Along the way, we'll delve into the largest and smallest scales of the material world from electrons to galactic clusters. We'll marvel at the design, intricacy, and order of our everyday world as students learn about the plant and animal kingdoms with a special emphasis on God's most cherished creation - us!**Digital Photography: Bonnie Debu****Time:** 10:10 AM to 11:10 AM**Grade:** 7 to 12**Class Size:** 5 to 20**Cost:** \$35.00 monthly, \$35.00 materials**Prerequisites:** Students need access to the internet, parental permission to view teacher previewed links and videos, access to a DSLR camera (however the class can be taken only using a cell phone: those students will be learning several things that won't apply to their current technology.)**Student Expectations:** Students will turn in assignments on time, by email. Computer literacy (downloading files from SD card, viewing online learning) is necessary. Access to a photobook app such as Shutterfly, Costco, or Collage and an editing program is needed.**Description:** Digital Photography is an art that encompasses a variety of skills, and this class explores its many genres and techniques. Subjects include Composition, (framing, cropping, some standard guidelines such as the Golden Ratio and the Rule of Thirds) Exposure, Editing, Genres within photography, Photographic artists, Posture, Lighting, Focus, Depth of Field, and what those dials and buttons on your camera can do for you. Each week students are expected to shoot many pictures upon the theme of the week's assignment, then select and email 10 that follow the category assigned. As your skills grow, you will be expected to lightly or heavily edit these pictures as needed/as required. These photographs will be displayed weekly in a PowerPoint slide show.**Exploring Electronics: Ed Morin****Time:** 10:10 AM to 11:10 AM**Grade:** 7 to 10**Class Size:** 3 to 12**Cost:** \$40.00 monthly, \$95.00 materials**Text (Provided by Teacher):** All materials required for class projects and activities are provided by the instructor. Materials are bulk purchased including high-quality breadboards, hundreds of electronic components organized in parts boxes stored in a convenient carrying case. Students keep all accumulated kit and project materials at the end of the year.**Text (Provided by Student):** OPTIONAL: Small hand tools. Although not required, students may benefit from having a few small hand tools available to them including fine needle-nose pliers, small wire flush cutter, small wire stripper, small screwdrivers, and multimeter; suggestions can be provided if desired. Tools are also available for shared use in class.**Prerequisites:** Basic understanding of electricity, electric charge, circuits, and electromagnetism (covered in first class Getting Attracted to Electricity and Magnetism offered last year or equivalent). Sixth grade math and reading skills. Good fine-motor skills. Ability to read small printing and color-codes on electronic components.**Student Expectations:** Interest and desire to learn about electronics. Ability and willingness to follow instructions (verbal and written). Ability to calmly focus and be engaged with classroom activities.**Description:** The term "electronics" only emerged in the past 100 years but has given rise to an enormous field of engineering and industry. It has become a foundational part of our modern world, underlying all communications, computers, internetworks, and more. In this exciting class, a sequel to Getting Attracted to Electricity and Magnetism, students will learn about modern semiconductor electronics through dozens of hands-on projects using real electronics components and the popular electronics breadboard system (no soldering required). Projects are designed to introduce the basic concepts of semiconductors including diodes, LEDs, transistors, integrated circuits, digital logic, and other standard electronic components. Classes utilize a flexible, self-paced, lab-style approach where students can save an unfinished project for the next class or opt to continue working on it outside of class. At the end of the school year, one class session will include optional hands-on soldering instruction.**Exploring Words: Karen Dennis****Time:** 10:10 AM to 11:10 AM**Grade:** 2 to 4**Class Size:** 6 to 15**Cost:** \$22.00 monthly, \$64.00 materials**Text (Provided by Teacher):** Exploring Words by Carrie Myers - notebook, curriculum, and vocabulary cards**Text (Provided by Student):** Dictionary - If you do not own one, I recommend you purchase the American Heritage Dictionary ISBN: 978-0-553-58322-9**Prerequisites:** Ability to write a few Latin and Greek words and definitions from the whiteboard.**Student Expectations:** Students are expected to come each week with a good attitude and an excitement to learn. Parents are welcome to sit in the class each week to learn alongside their child.**Description:** Exploring Words gives children an opportunity to have fun with words while discovering tips and tricks to better reading, spelling, and comprehension. We'll focus on prefixes, suffixes, dictionary skills, some spelling rules and the six different kinds of syllables. Students will write a set of Latin and Greek vocabulary cards to help them understand what those roots mean and how they are used as building blocks in English words. Fun games help cement what we're learning. Children will love earning "scholar dollars", "class participation coupons", and "character coupons" to spend in a class store every 6 weeks. Material fee includes: binder, reference pages, 5-page homework packet each week (approx. 15 min. homework daily), vocabulary cards, and store supplies. The finished curriculum is 175 pages.**Introduction to Debate: Caleb Chen****Time:** 10:10 AM to 11:10 AM**Grade:** 6 to 12**Class Size:** 6 to 14**Cost:** \$25.00 monthly, \$0.00 materials**Text (Provided by Student):** Students are encouraged, but not required to purchase the text - Introduction to Policy Debate (ISBN: 1880665042)

**Prerequisites:** Comprehensive command of English, able to write at a middle school level.

**Student Expectations:** Students should expect to be pushed to excel, actively participate in class, and be self-motivated to complete assignments promptly and on time. Students may also be paired up for activities and are expected to work together respectfully and cooperatively.

**Description:** This class aims to educate and equip Middle to High School students with the ability to think logically and persuade effectively through the tool of formal debate. Geared towards beginner students and 1st-year debaters, this class will help students argue logically, research relevant topics, and learn how to feel comfortable communicating their ideas and arguments to others in a respectful and convincing manner. Students do not need to be affiliated with a debate league or club to participate. This course includes discussion of various current topics, debate theory, and strategy during the class hour, while students will debate online with each other using Microsoft Teams during the class as well as later in the week on certain weeks (depending on student availability). The homework requirement will be 1-2 hours a week. High school students interested in getting credit for this activity can contact me for more information.

**Junior Book Club Level 1: *Krystal Ripley*****Time:** 10:10 AM to 11:10 AM**Grade:** 1 to 2**Class Size:** 8 to 12**Cost:** \$25.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Each student will receive a Junior Book Club notebook.**Text (Provided by Student):** The parent will need to obtain a copy of the 12 featured stories. Some of the books will be available in the KCLS. Please plan to purchase those not available from the KCLS.**Description:** Come travel the globe with us through fabulous children's literature. This class is for the family that desires to enhance their student's education with a unit study approach. Every two or three weeks, the class will travel to a new location via our feature story. We will investigate the destination, its culture, and explore related topics. Read-aloud time, games, crafts and special presentations will be part of the learning experience. Students will also have the opportunity to practice public speaking skill through assigned sharing times. This is a great opportunity to interest children in reading and help them discover the wonder of books. Questions: karipley@comcast.net**Karate Kids PreK-1: *Josh Alexander*****Time:** 10:10 AM to 11:10 AM**Grade:** PS to 1**Class Size:** 4 to 20**Cost:** \$20.00 monthly, \$20.00 materials**Prerequisites:** No martial arts experience is required.**Student Expectations:** Students should try their best, participate, and have fun. Students should dress for ease of movement.**Description:** Students will learn basic Shudokan Karate skills to help build self-confidence, bully defense, stranger defense, and respect for parents and teachers. Class will include kicks, punches, stances, blocks, kata, bag drills, and games to build physical awareness and, most of all, have fun becoming little "ninjas." Once during the year, students will perform their kata for their parents. No belts are awarded in this class. Class is taught by a certified Shudokan Karate Black Belt.**World Geography: *Cydney Adler*****Time:** 10:10 AM to 11:10 AM**Grade:** 6 to 8**Class Size:** 8 to 20**Cost:** \$30.00 monthly, \$35.00 materials**Text (Provided by Teacher):** Class Notebook**Text (Provided by Student):** Geography Coloring Book by Wynn Kapit ( ISBN-13 978-0131014725) 3rd edition. 2nd edition also OK. Student will also need a good set of 24 colored pencils**Student Expectations:** Do all homework. Bring notebook and a pencil to every class.**Description:** We will learn about the many countries in our world and also the science of geography. Using experiments, lectures, videos and blank maps we get glimpses of many different cultures and explore human and physical systems, and global issues. We use elements of the popular, "Mapping The World by Heart" curriculum to make our own World maps and finish the year with a display board depicting a country of our choice. Homework will consist of reading and coloring plates in The Geography Coloring Book and answering Study Guide questions which will take 1 - 2 hours per week.

**Algebra 1: Kristine Grigas****Time:** 11:20 AM to 12:20 PM**Grade:** 8 to 12**Class Size:** 8 to 20**Cost:** \$40.00 monthly, \$25.00 materials**Text (Provided by Teacher):** Classnotes packet, quizzes, tests, and other handouts.**Text (Provided by Student):** 1) Algebra I: Expressions, Equations, and Applications, Paul Foerster, isbn: 0-201-86094-5 , 0-131-657089, or other 1994 or later edition 2) Solution Manual, isbn: 0-201-86100-3 or 9780201861006 (carried by Rainbow Resources)**Prerequisites:** Successful completion of a thorough pre-algebra, optional placement test available from instructor.**Student Expectations:** Student is expected to complete daily homework and all assigned quizzes and tests, and turn them in on time. Student and parents should both monitor the grade site to make sure student is mastering the material to an acceptable level.**Description:** A challenging Algebra I course that lays the foundation for all higher mathematics. It provides the mathematical understanding to operate with concepts at an abstract level. Topics covered are: algebraic expressions and equations, negative numbers, the quadratic equation, inequalities, polynomials, exponents, radicals and quadratics. It has the normal content of a first-year high school algebra. Successful completion of this sequence prepares students for high school Geometry or Algebra II and the high school sciences. Student should have solid understanding of the concepts covered in pre-algebra before taking this class. Expect 5-6 hours coursework weekly including daily lessons and tests. Tests provided by the instructor and are to be administered by the parent. Course grades given based on homework, tests, and class participation. Books are available used or from publisher.**Caimans, Canines and Kangaroos: Cydney Adler****Time:** 11:20 AM to 12:20 PM**Grade:** 3 to 5**Class Size:** 8 to 20**Cost:** \$25.00 monthly, \$60.00 materials**Text (Provided by Teacher):** Exploring Creation With Zoology 3: Land Animals of the Sixth day, spiral bound Student Notebooking Journal**Text (Provided by Student):** Exploring Creation With Zoology 3: Land Animals of the Sixth day, Fulbright, Publisher Apologia Educational Ministries• ISBN-13: 978-1932012859 Do NOT buy the spiral bound Student Notebooking Journal**Description:** This third book in the Young Explorer zoology series takes students on a safari through jungles, deserts, forests, farms, and even their own backyard to explore, examine and enjoy the enchanting creatures God designed to inhabit the terrain. We will study primates to parasites, kangaroos to caimans, and turtles to terrifying T-Rexs, Many hands-on experiments and activities keep students learning and engaged. Homework is optional and takes ~1 - 2 hours per week**Earth Science Level II: Patrick Nurre****Time:** 11:20 AM to 12:20 PM**Grade:** 9 to 12**Class Size:** 6 to 20**Cost:** \$25.00 monthly, \$100.00 materials**Text (Provided by Teacher):** Teacher will supply all 4 textbooks needed for the class.**Text (Provided by Student):** Spiral lab book, colored pencils, ruler and graph paper.**Prerequisites:** None**Student Expectations:** Complete assignments, outside class reading, vocabulary study, proctored quizzes and tests.**Description:** This class is meant to conform to high school standards for Earth Science. In addition to learning the secular framework of Earth Science and History, the student will also learn the Biblical view of Earth History as presented in the first 11 chapters of Genesis. They will learn some chemistry and atomic structure in rocks and minerals. They will also learn principles of rock, mineral and fossil identification. Students will learn the history of modern geology and understand the differences between science and interpretation. They will learn basic geological principles in recognizing landforms and the science language used in geology. There will be four textbooks provided, all written by the instructor, examining the basic areas of geology. The class will be rigorous and students will be expected to engage in at least 2 hours er week of reading and fulfilling assignments.**Elementary Math Games: Michelle McCamish****Time:** 11:20 AM to 12:20 PM**Grade:** 2 to 4**Class Size:** 4 to 10**Cost:** \$26.00 monthly, \$40.00 materials**Text (Provided by Teacher):** None.**Text (Provided by Student):** None.**Student Expectations:** Completing a math program at home.**Description:** Playing games are an excellent way to hone basic math skills. This class will focus on learning through games -- not drilling facts. Whether your child is just learning a new math concept or working towards mastery -- every student can benefit from improving their mental math skills. All the games will be played with hands -on manipulatives, cards, and occasional board games -- little writing required! Students will be matched by skill level and math skill focus. We will cover addition, subtraction, multiplication, division, and fractions. Come enjoy "doing" math in a new way!

**Enjoying Literature Book Club: *Krystal Ripley*****Time:** 11:20 AM to 12:20 PM**Grade:** 5 to 6**Class Size:** 6 to 10**Cost:** \$25.00 monthly, \$30.00 materials**Text (Provided by Student):** Obtain the required books.**Prerequisites:** A desire to devote time to reading or listening to the assigned chapters. Approximately 2-3 hours of reading/listening per week. Student must be committed to class participation.**Student Expectations:** Read the required chapters each week and come to class prepared to discuss the story.**Description:** Have you ever read a book and wished to discuss it with someone? This class will provide an opportunity for students to meet and discuss books. Students will read or listen to the assigned chapters at home and then come to class prepared to discuss the material, learning how to apply a Christian worldview. Each book will be discussed using questions designed to help students develop deeper thinking. Along with discussions, extension activities will sometimes be included, for example acting out scenes, small group activities, games, etc. Students will learn how to keep a Commonplace Journal to collect their thoughts, quotes and other items they wish to remember. Books will be a mix of genres. Books will differ from the 2020-2021 school year. Questions: karipley@comcast.net**Exploring Electricity & Magnetism: *Ed Morin*****Time:** 11:20 AM to 12:20 PM**Grade:** 5 to 8**Class Size:** 3 to 12**Cost:** \$40.00 monthly, \$95.00 materials**Text (Provided by Teacher):** Supplies fee covers cost of bulk-purchased, customized Snap kits, other custom project kits and additional electrical components stored in a convenient carrying case. Students keep all accumulated kit and project materials at the end of the year.**Text (Provided by Student):** If classes are taught online, some common household materials may occasionally be required (e.g. tape, paperclips, pencil, foil, AA-battery cells, etc.); these are normally provided as-needed in the classroom.**Prerequisites:** Fifth grade math and reading skills. Good fine-motor skills.**Student Expectations:** Interest and desire to learn about electricity and magnetism. Ability and willingness to follow instructions (verbal and written). Ability to calmly focus and be engaged with classroom activities.**Description:** In 600 BC, the Greek Philosopher Thales discovered static electricity. Over time, other scientists and inventors continued to observe, hypothesize, and experiment, expanding our understanding of this curious phenomenon. Alessandro Volta's breakthrough invention of the battery in 1800, followed by Hans Christian Oersted's discovery that an electric current creates a magnetic field, initiated a series of discoveries and innovations which enabled us to harness and benefit from these amazing properties of the natural world. Over the course of the year, students will travel this same path of discovery using dozens of hands-on experiments and projects enabling them to explore and experience the basic principles of electric charge, electric current and electromagnetism. Significant discoveries and inventions, and the scientists and inventors behind them, will be acknowledged along the way.**Intermediate Chess: *Marilyn Wilke*****Time:** 11:20 AM to 12:20 PM**Grade:** 4 to 12**Class Size:** 6 to 18**Cost:** \$25.00 monthly, \$30.00 materials**Text (Provided by Teacher):** Chess Tactics for Students by John Bain**Prerequisites:** Knows the rules of chess and is able to play games to mate recording them using standard chess notation. Have weekly access to computer for online homework lessons.**Student Expectations:** Bring chess set with algebraic notation to class each week, practice good sportsmanship**Description:** This class is for students who know the rules of chess and want to improve their game. We will focus primarily on chess tactics but will also learn some strategy including common openings and end game scenarios. Each class period will include a chess lesson and playing time. Practicing good sportsmanship will be emphasized and participation in local tournaments will be encouraged. Homework: Completing one online lesson and one workbook lesson per week (approximately 20 minutes per week total) and playing in-person games with family or friends. Materials fee covers workbook, notation book, and prizes. Repeat students are welcome and will receive a different workbook for homework.**Junior Book Club 2A: *Jennifer Holmes*****Time:** 11:20 AM to 12:20 PM**Grade:** 1 to 3**Class Size:** 5 to 15**Cost:** \$25.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Teacher will supply all materials except for the featured stories.**Student Expectations:** Student should obtain the featured stories and come prepared to class.**Description:** Come travel the world through literature! Using a unit-study approach, we'll trek across the globe through 9 fabulous picture books. Each story takes us to a new destination. Weekly class time offers fun, interactive, and engaging experiences where we explore the story's location, culture of that region, and a variety of topics relating to the book. Read alouds, map work, vocabulary study, crafts, and hands-on activities keep us busy. Weekly homework includes handouts and ideas for further exploration at home. Buckle your seat belt, here we go - on a whirlwind tour of the world! Most books are available through the library system and some may be borrowed from the teacher. A book list will be provided in early summer. Junior Book Club 2A uses a set of books, different from 2020-2021. Homework: Approximately 1 hour a week. For questions: pej1985@comcast.net.**Middle School French: *Alisha Harder*****Time:** 11:20 AM to 12:20 PM**Grade:** 6 to 8**Class Size:** 6 to 15**Cost:** \$25.00 monthly, \$30.00 materials**Text (Provided by Teacher):** Teacher will provide the needed study materials for this course.**Text (Provided by Student):** Students will need to bring a binder to class for any handouts each week**Student Expectations:** students are expected to come to class each week and practice a minimum of 20 minutes a day to master what they are learning.

**Description:** In this class, whether you've never spoken French or have studied a little French, you will learn in a gentle manner how to put words together and converse with others. We will do this through games, stories, conversations and more.

**Minecraft Science and Programming Fundamentals: *Scott Kahler*****Time:** 11:20 AM to 12:20 PM**Grade:** 6 to 8**Class Size:** 8 to 16**Cost:** \$30.00 monthly, \$40.00 materials

**Student Expectations:** Students will provide their own laptop with Minecraft: Education Edition installed (instructions will be sent to students before classes begin). A keyboard and external USB/Bluetooth mouse is highly recommended. Students should have a basic understanding of how to operate the laptop, connect it to wifi, etc. The focus of the class will be on learning and not on open-ended gameplay, and students will commit to not distracting or 'griefing' other students or the game world.

**Description:** This class will focus on teaching topics exclusively through Minecraft as a medium. The class will cover basic chemistry, physics, and technology concepts through interactive group explorations in Minecraft worlds populated by only our class. The latter half of the year will pivot to focus on an introduction to programming fundamentals using Minecraft and MakeCode. Students will learn the power of programming to affect their worlds as they use algorithms, loops, operators, variables, and functions to solve problems and win challenges.

**Taekwondo 5-9: *Wendy Rogers*****Time:** 11:20 AM to 12:20 PM**Grade:** 5 to 9**Class Size:** 6 to 14**Cost:** \$25.00 monthly, \$20.00 materials

**Text (Provided by Teacher):** I will provide a folder with Forms and Martial art terms for home study.

**Description:** Taekwondo is an excellent starter martial art. Kids will learn Discipline, Respect and Self Control, at the same time kids will have fun, learn a new skill and have an outlet for their energy. Student will be given chances to move up the belt levels through their hard work when they are ready. Students will also learn all proper Taekwondo Kicks, Strikes, Forms and training involved in a proper Taekwondo studio. We will touch on basic self defense with kids, but at younger ages I don't teach full self defense. At younger ages the best self defense is learning when situations might be dangerous, knowing how to carry themselves with confidence, and knowing how to properly throw kicks and strikes. I am not a typical martial arts instructor who teaches through screaming and rigid guidelines, I try to teach by example with positive reinforcement and excitement.

**Theater Games: *Josh Alexander*****Time:** 11:20 AM to 12:20 PM**Grade:** 6 to 12**Class Size:** 4 to 20**Cost:** \$25.00 monthly, \$35.00 materials

**Student Expectations:** Students should try their best, participate, and have fun.

**Description:** Students will learn basic theater and acting fundamentals to help improve storytelling, confidence when performing, and ability to portray a character. Class will include several games and drills that help to build good acting skills. This class may be used as a Pass/Fail Art credit for a high school transcript. Instructor has 7 years of acting experience.

**Writing for Elementary 2-4: *Karen Dennis*****Time:** 11:20 AM to 12:20 PM**Grade:** 2 to 4**Class Size:** 8 to 14**Cost:** \$22.00 monthly, \$40.00 materials

**Text (Provided by Teacher):** Class material, 3-ring binder, subject dividers, and highlighters

**Text (Provided by Student):** Thesaurus, Recommended one: The Clear and Simple Thesaurus Dictionary, By Harriet Wittels and Joan Greisman, ISBN: 0448443090

**Student Expectations:** Students must be able to read independently and copy written material from the white board and an overhead projection. If students do not meet these requirements, a parent MUST attend and assist the child.

**Description:** This class is designed as a beginning writing course for elementary-aged students. Within that framework, we will include vocabulary building, listening skills, and thinking skills. Writing activities will include: writing poetry, what makes a sentence, sentence development, using a thesaurus, brainstorming, story journals, book reports (some reading required), simple paragraphs, and more. Listening and thinking skills will include: following directions, vocabulary development, verbal sequencing, verbal classification, and more. There will be short homework assignments, including take-home worksheets, journal activities, and short writing assignments. The class includes copying from handouts, overheads, and the whiteboard. Students who are still learning to read and/or write independently MUST have a parent attend and assist during class. Approximate homework time: 2 hours per week.

**Academic Writing : Jennifer Holmes****Time:** 1:00 PM to 2:00 PM**Grade:** 9 to 12**Class Size:** 5 to 15**Cost:** \$35.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Teacher will provide necessary materials.**Prerequisites:** Student must be able to write a basic paragraph and have access to a computer, printer, and the internet.**Student Expectations:** Student should come to class prepared and have their weekly homework completed.**Description:** Writing is like math because it is objective; however, writing is not like math because it is subjective. This class provides students with the objective structure and subjective feedback needed to be successful writers. Its goals include teaching how to write a basic five paragraph essay, supplying tips to improve writing, and giving practice through a variety of assignments. Essay forms introduced: expository, persuasive, literary analysis, opinion editorial, and college admissions essay. Coursework involves lecture, note taking, vocabulary, composition, peer editing, grammar review, and quizzes. Academic Writing qualifies as a high school English credit. This class is repeatable. Each year is unique and offers a variety of essay topics to further writing practice. Homework expectation is approximately 4 hours a week. For syllabus or questions: pej1985@comcast.net.**Answers For Kids: Shawna Alexander****Time:** 1:00 PM to 2:00 PM**Grade:** 6 to 8**Class Size:** 3 to 20**Cost:** \$25.00 monthly, \$40.00 materials**Text (Provided by Teacher):** Teacher will provide all handouts and materials for class.**Description:** Why does God allow suffering in our world? Why was mankind given the choice to sin? Did God create the Earth in six literal days? Where do dinosaurs fit in the Bible? Do aliens really exist? In Answers for Kids students will spend time finding answers in the Bible to these and many more questions. This class will help students see the truth of the Bible and be able to have an answer for the hope they have as 1 Peter 3:15 instructs. We will begin with the "7 C's" of History as found in the Bible, then we will move on to the inerrancy of the Bible and then to questions people often wonder about, like those listed above. Weekly memory verses are provided as homework to earn points for prizes but are entirely optional.**Beginning Chess: Marilyn Wilke****Time:** 1:00 PM to 2:00 PM**Grade:** 3 to 8**Class Size:** 6 to 15**Cost:** \$25.00 monthly, \$25.00 materials**Text (Provided by Teacher):** Chess Rules for Students by John Bain**Prerequisites:** Able to read and write, weekly access to computer for online homework lessons**Student Expectations:** Bring chess set with algebraic notation to class each week, practice good sportsmanship**Description:** Playing chess improves concentration, problem-solving skills, and pattern recognition. Plus it's fun for all ages! This class is open to students with no chess knowledge as well as students with some knowledge of the game. We start with the basic rules of chess and notation and move on to simple tactics and checkmate patterns. Each class period will include a chess lesson and playing time. Emphasis will be on learning the game, having fun, and practicing good sportsmanship. Toward the end of the year we will play a friendly tournament with prizes. Homework: Completing one online lesson and one workbook lesson per week (approximately 20 minutes per week total) and playing in-person games with family or friends. Materials fee covers workbook, notation book, and prizes.**Cake Art: Alisha Harder****Time:** 1:00 PM to 2:00 PM**Grade:** 7 to 12**Class Size:** 6 to 15**Cost:** \$30.00 monthly, \$65.00 materials**Text (Provided by Teacher):** teacher to provide needed tools for this class**Student Expectations:** Students are expected to come to class each week and practice the techniques learned in class at home to gain mastery.**Description:** Art is delivered through a variety of mediums. Art can also be edible. In this sweet and delicious class, students will learn how to turn cakes, cookies, and cupcakes into works of art. Students will start learning piping techniques. Followed by the creation of beautiful flowers in both buttercream and royal icing. Next, we will study cookie design, learn painting, and how to stencil a design. The course will include how to model animals, humans, and objects from both fondant and chocolate. By the end of the year, students will know how to decorate a cake as you would find in a bakery and they will know how to change a plain ordinary cake into a 3D masterpiece.**Early American History: Michelle McCamish****Time:** 1:00 PM to 2:00 PM**Grade:** 1 to 3**Class Size:** 4 to 11**Cost:** \$28.50 monthly, \$50.00 materials**Text (Provided by Teacher):** Student binder and materials for in-class projects.**Text (Provided by Student):** There will be 12 required books for the class. Most (not all) of our books come from the Beautiful Feet booklist. Several of the d'Aulaire books are required. Many of them are hard (or impossible) to get at the library. Please be sure you can be committed to purchase/acquire the books. Final booklist will be sent out during the summer. <https://www.bfbooks.com/Early-American-History-Primary-Jumbo-Pack?sc=18&category=3201>**Student Expectations:** Student needs to be able to write/copy simple sentences and have beginner reading skills. Required reading at home can be done with parent.**Description:** Come travel with us through Early American History! From the early explorers, to the birth of a nation, westward expansion and wrapping up in the 1860s. This class takes a literature approach, using beautiful books that tell history as a story. At home you will enjoy these amazing books, while in class, we will chronologically follow the history through mapwork, timeline, games, crafts, videos, book discussions and more! We start each class with a patriotic song, learning 8 throughout the year. We end each class with student's collecting two new U.S. State flashcards, eventually learning all fifty states. During the year the students will also complete a simple state fun fact sheet each week, that will turn into a nice book at the end of the year.

**Exploring Microcontrollers: *Ed Morin*****Time:** 1:00 PM to 2:00 PM**Grade:** 7 to 10**Class Size:** 3 to 12**Cost:** \$40.00 monthly, \$95.00 materials**Text (Provided by Teacher):** All materials required for class projects and activities are provided by the instructor. Materials are bulk purchased including an Arduino microcontroller, USB cable, breakout devices, high-quality breadboard and dozens of electronic components organized in parts boxes stored in a convenient carrying case.**Text (Provided by Student):** Basic laptop/notebook computer with 2 GB RAM, an available USB port for programming and testing and 500 MB available storage (older models are fine; Arduino software is available for use with Windows, MacOS and Linux). - **OPTIONAL:** Small hand tools. Although available for shared-use in class, students may want to have a few of their own small hand tools including fine needle-nose pliers, small wire cutter, small wire stripper, small screwdrivers, and multimeter; suggestions can be provided if desired.**Prerequisites:** Basic understanding of electrical circuits, electronics, and electromagnetism (covered in Getting Attracted to Electricity & Magnetism and Turning On to Electronics classes). 6th grade math and reading skills. Competency in laptop system use including file and folder management. Good fine-motor skills. Ability to read small printing and color-codes on electronic components.**Student Expectations:** Desire to learn about the Arduino microcontroller and C++ programming environment. Ability and willingness to follow instructions (verbal and written). Ability to calmly focus and be engaged with classroom activities.**Description:** Over the last 50 years, tiny computers have made their way into nearly everything including cars, household appliances, smart-home control, toys, utility infrastructure and even the manufacturing machinery to make these things! In this class, students will get an introduction to the popular, easy-to-use microcontroller development system called Arduino that is designed to also provide foundational knowledge for working with robotics and Internet of Things (IoT) applications. Through dozens of fun, hands-on projects using the popular electronics breadboard system (no soldering required), students will learn about basic input and output control for common devices including LEDs, pushbuttons, simple games, environmental sensing and remote control using the C++ programming language. Classes utilize a flexible, self-paced, lab-style approach where students can save an unfinished project for the next class or opt to continue working on it outside of class.**Geometry: *Kristine Grigas*****Time:** 1:00 PM to 2:00 PM**Grade:** 9 to 12**Class Size:** 8 to 20**Cost:** \$40.00 monthly, \$25.00 materials**Text (Provided by Teacher):** Classnotes packet, quizzes, tests, and other handouts.**Text (Provided by Student):** 1) Textbook: Geometry Seeing, Doing and Understanding, 3e, Harold R. Jacobs, isbn: 0-7167-4361-2 OR 9781619991095 2) Enhanced Teacher's Guide, isbn: 07167-5607-2 OR Answers to Exercises, isbn: 9781619991163 These books changed publishers and there are a variety of covers and ISBNs. As long as you get 3RD EDITION you are good to go.**Prerequisites:** Successful completion of Algebra I, optional placement test available from instructor.**Student Expectations:** Student is expected to complete daily homework and all assigned quizzes and tests, and turn them in on time. Student and parents should both monitor the grade site to make sure student is mastering the material to an acceptable level.**Description:** This course is a study of traditional high school Euclidean Geometry. The student will become familiar with both plane and solid figures. Properties of these figures will be studied through the use of definitions, postulates, and theorems. Geometry uses proofs to build logic skills and analytical thinking. This text includes high-interest, real-world exercises and humor to capture the students' interest and help them understand applications of what they are learning. A firm foundation in geometry is essential in further mathematical study and can help increase the appreciation of our world and our Creator. Expect 5-6 hours coursework/week including daily lessons and tests. Tests provided by the instructor. Course grades based on homework, tests, and participation. Books can be purchased used or from the new publisher.**Junior Book Club Level 3: *Krystal Ripley*****Time:** 1:00 PM to 2:00 PM**Grade:** 3 to 5**Class Size:** 8 to 12**Cost:** \$25.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Each student will receive a Junior Book Club Level 3 notebook.**Text (Provided by Student):** The parent will need to obtain the ten featured stories. Some may be available via the King County Library System, however, due to library availability, please do not depend on only the library and be willing to purchase if necessary. A student atlas is strongly recommended for map work.**Student Expectations:** Obtain and read the story at home. Complete the weekly homework.**Description:** Come travel the world through literature! This class uses a unit-study approach based on ten fabulous children's books to study new destinations around the globe. It integrates a variety of subjects based on each book and uses the geography and cultural aspects of the story's location as the basis for each three week unit. This course is designed to partner class activities with follow-up involvement at home. Class time includes discussion, hands-on activities, guest speakers, etc. Homework includes required assignments each week plus optional suggestions to enhance each unit. Parents are encouraged to help their student discover topics of interest to explore at home. All NEW books for the 2020-2021 school year. Questions: karipley@comcast.net**Physical Science: *Cydney Adler*****Time:** 1:00 PM to 2:00 PM**Grade:** 8 to 10**Class Size:** 8 to 20**Cost:** \$35.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Exploring Creation with Physical Science (Spiral Bound) Student Notebook**Text (Provided by Student):** Exploring Creation with Physical Science Textbook (3rd Edition), Vicki Dincher, APOLOGIA EDUCATIONAL MINISTRIES / 2020 / PAPERBACK ISBN-13: 9781946506511 Do NOT buy the spiral bound Student Notebook. Solution's Manual optional, not required.**Student Expectations:** Students will complete all assigned work and will come prepared to each class with Research Notebooks and pens. No auditing**Description:** This class provides a detailed introduction to the physical environment and some of the basic laws that make it work. The fairly broad scope of the book provides the student with a good understanding of the earth's atmosphere, hydrosphere, and lithosphere. It also covers details on weather, motion, Newton's Laws, gravity, the solar system, atomic structure, radiation, nuclear reactions, stars, and galaxies. Discussions, videos and many hands-on experiments and activities keep students engaged and learning. Homework ~ 2-3 hours weeks includes completing the Student Notebook assignments and Study Guides.**Rocks, Minerals, Fossils and Dinosaurs: *Patrick Nurre***

**Time:** 1:00 PM to 2:00 PM

**Grade:** 1 to 3

**Class Size:** 6 to 20

**Cost:** \$25.00 monthly, \$65.00 materials

**Text (Provided by Teacher):** All required handouts for study, discussion and projects.

**Text (Provided by Student):** 3 ring binder, colored pencils or crayons, spiral notebook and misc. supplies such as glue and odds and ends craft stuff.

**Prerequisites:** Able to sit still.

**Description:** In this class students will be introduced to the basics of rocks, minerals, fossils and dinosaurs. They will learn basic earth, element, rock and mineral structures. They will also learn and relate samples to a basic Biblical/Genesis view of creation and the Flood. Students will learn about kinds in the fossils and some Greek and Latin dinosaur and fossil names. This course will be taught from a young earth, global flood perspective. Students will also receive a basic rock and fossil set. Some pre-class preparation will be expected as projects arise in the course of class fulfillment. No grades will be offered at this class level and no homework will be assigned, other than some preparation for a class project.

**Scratch Game Coding: Josh Alexander****Time:** 1:00 PM to 2:00 PM**Grade:** 5 to 8**Class Size:** 4 to 25**Cost:** \$28.00 monthly, \$10.00 materials**Text (Provided by Student):** "Coding Games in Scratch" by Jon Woodcock**Prerequisites:** Students need a computer they can work on and bring to class; student's computers will need access to both <https://scratch.mit.edu> and the Scratch 3.0 Desktop version (download instructions can be found at <https://scratch.mit.edu/download>). Students will also need an email they can use to create a Scratch account. It is recommended, though not required, that students have a basic understanding of Pre-Algebra level math.**Student Expectations:** Students should try their best, participate, and have fun. Students are expected to complete assigned homework.**Description:** Scratch 3.0 is a super fun (and free) programming tool used to easily create tons of fun and exciting Games! In this class, students will learn basic programming concepts, including but not limited to: events, conditionals, loops, variables, basic lists, and functions. Students will develop a series of increasingly more-challenging games as they progress from the basics of coding to more advanced Scratch techniques. Students will need to bring a computer with both the online and offline versions of Scratch 3.0. Instructor has 6 years of Scratch coding experience.**Symposium: Laura Reimer****Time:** 1:00 PM to 2:00 PM**Grade:** 2 to 5**Class Size:** 8 to 12**Cost:** \$25.00 monthly, \$35.00 materials**Description:** Symposium: a conference or meeting to discuss a particular subject. This class will offer a time to slow down and enjoy the beauty of many different subjects. We will read books together, recite and memorize poetry, do devotions together, art and music appreciation, history, science, and much more! Each class will look a little different as I hand select interesting topics to cover over the course of the year. This class will have no required homework but additional resources will be sent home to reinforce what was covered in class each week. Students will also have an opportunity to share topics they are interested in by presenting every few weeks. Here is what a sample day might look like: Devotion/prayer Students presentations Read aloud Word of the day (Vocabulary enrichment) Art appreciation: Picture study Poetry memorization: We will work on one poem per month Math game or activity**Taekwondo K-4: Wendy Rogers****Time:** 1:00 PM to 2:00 PM**Grade:** K to 4**Class Size:** 6 to 12**Cost:** \$25.00 monthly, \$20.00 materials**Text (Provided by Teacher):** I will provide folder with martial arts forms and martial arts terms. This folder is just so can study at home if they want but it will not be required to study at home.**Description:** Taekwondo is an excellent starter martial art. Kids will learn Discipline, Respect and Self Control, at the same time kids will have fun, learn a new skill and have an outlet for their energy. Student will be given chances to move up the belt levels through their hard work when they are ready. Students will also learn all proper Taekwondo Kicks, Strikes, Forms and training involved in a proper Taekwondo studio. We will touch on basic self defense with kids, but at younger ages I don't teach full self defense. At younger ages the best self defense is learning when situations might be dangerous, knowing how to carry themselves with confidence, and knowing how to properly throw kicks and strikes. I am not a typical martial arts instructor who teaches through screaming and rigid guidelines, I try to teach by example with positive reinforcement and excitement.**Writing with Style 4-6: Karen Dennis****Time:** 1:00 PM to 2:00 PM**Grade:** 4 to 6**Class Size:** 8 to 15**Cost:** \$24.00 monthly, \$40.00 materials**Text (Provided by Teacher):** Class materials, notebook, subject dividers, and highlighters**Text (Provided by Student):** Thesaurus - recommended one if you do not already own one: The Clear and Simple Thesaurus by Harriet Wittels - ISBN 0448443090**Description:** During the course of the year, this writing class will incorporate several writing styles and techniques. The class will include: several poetry forms, improving and expanding sentences and paragraphs by employing various style techniques, writing narratives, various outlining styles, basic research papers (including note taking techniques), essay writing, and more. There will be a writing homework assignment each week. Homework: approximately 2-3 hours per week depending on assignment and ability level. It is recommended that students work with a quality grammar program while taking this class. This level is a great option for 6th grade students who are not ready for the more rigorous 6th-8th grade class.

**Advanced Chess: *Daniel Wilke*****Time:** 2:10 PM to 3:10 PM**Grade:** 4 to 12**Class Size:** 4 to 20**Cost:** \$35.00 monthly, \$10.00 materials**Text (Provided by Student):** Students will be expected to buy a GameKnot Gold Membership, which is normally \$45 including tax. This will be how students will be able to play against each other for practical experience since we can not meet and play in person.**Prerequisites:** Achieved Knight level or higher in Intermediate Chess Class, or by instructor permission.**Student Expectations:** You will need to have good knowledge of chess tactics including Forks, Pins, Skewers, Remove the Defender, and Discovered Attacks.**Description:** In Advanced Chess we will mainly be covering a new perspective of how to see the chessboard. There are 2 main types of players: Tactical players and Positional players. In my class we will be talking mainly about the positional perspective, which is why a knowledge of chess tactics is required as we will not be reviewing them. Positional chess can be explained like this: tactical players are looking at each position to see if there is a tactic they can play; positional players look to improve their pieces and look to predict tactics before they happen. Positional chess also deals with the trouble of what do we do in the middle game, which is a problem with most intermediate players. I cannot guarantee that I will be on the live video call for the classes, as I have not yet settled my schedule with my new job. However, my mom, Marilyn Wilke, will be the live teacher in the classroom and I will be recording my lessons in advance. The first 30 or 45 minutes will be spent watching the lesson, during which my mom will be able to answer any questions the students may have. After that students will spend 15-30 minutes playing games against each other via GameKnot. Playing games vs real life opponents is very important in honing your skills. GameKnot is a website I have played on for the last 7 years and it is very convenient for playing games between friends. Students will be able to continue their games outside of class time whenever they are free, which is a nice feature.**Arts & Crafts: *Jennifer Holmes*****Time:** 2:10 PM to 3:10 PM**Grade:** 1 to 4**Class Size:** 5 to 12**Cost:** \$25.00 monthly, \$65.00 materials**Text (Provided by Teacher):** Teacher will provide all necessary materials.**Prerequisites:** Student should be able to cut with scissors.**Description:** This class is for students who love to create and for moms who don't want to clean up a mess. :) We will be doing some basic crafts of yesteryear like egg carton caterpillars, tissue paper stain glass windows, paper mache creations, decoupage candle holders, and pasta mosaics. Many projects will revolve around holidays themes. Students will draw, paint, and create. Rather than a formal art class, this class will provide an opportunity to use a variety of methods and materials. Projects will be different or altered from those of 2020-2021. No homework.**Chemistry and Physics: *Patrick Nurre*****Time:** 2:10 PM to 3:10 PM**Grade:** 4 to 9**Class Size:** 6 to 20**Cost:** \$25.00 monthly, \$75.00 materials**Text (Provided by Teacher):** Teacher will supply all video instruction, live instructions, and worksheets to fulfill the requirements of the class.**Prerequisites:** None**Student Expectations:** Students will provide a lab book or spiral bound notebook, 3 ring binder, colored pencils and occasional household products for projects.**Description:** This class will give young students an introduction to chemistry and physics designed to prepare them for high school. They will learn atomic structure, properties of matter, interaction of physical substances, machines, motion and energy, and an introduction to radioactivity and radiometric dating. Other topics covered will include a thorough understanding of the Periodic Table, the electromagnetic spectrum, entropy, earthquake energy, sound, acids and bases, chemical reactions and laws of motion and energy. There will be some hands on involvement in simply experiments and demonstrations, as we will not be meeting in person. Most of the chemical demonstrations will be done by the instructor in video made available to the student.**Exploring Literature through Discussion: *Krystal Ripley*****Time:** 2:10 PM to 3:10 PM**Grade:** 7 to 8**Class Size:** 6 to 12**Cost:** \$25.00 monthly, \$20.00 materials**Text (Provided by Student):** Obtain the required books.**Prerequisites:** Students should have the time to devote approximately 2-3 hours of reading for the assigned chapters per week.**Student Expectations:** Students are expected to read or listen to the assigned chapters each week and come to class prepared to discuss the story.**Description:** Come join the conversation! This class will provide the opportunity for middle school students to join with one another and discuss books together. Students will read or listen to the assigned chapters at home and then come to class prepared to discuss the material and share their insights. Each book will be discussed using questions specifically designed to help students think deeper about the story and contemplate the story from a Biblical worldview. Students will discuss the characters, setting, theme, conflict and plot as they investigate the story. They will also be challenged to think about life lessons during discussion time. Engaging activities will also be a part of the course. Students will broaden their perspective of the world as they engage with a variety of authors and genres.**Genesis, Exodus and Bookmarks: *Paul Hemmaplardh*****Time:** 2:10 PM to 3:10 PM**Grade:** 5 to 12**Class Size:** 5 to 15**Cost:** \$0.00 monthly, \$20.00 materials**Text (Provided by Teacher):** Bible passages, with passage selections based on an NIV translation.**Text (Provided by Student):** The Holy Bible, any common translation with Old Testament included.**Prerequisites:** Students able to read the Bible**Student Expectations:** Students are encouraged to understand certain attributes of God from the Bible and apply them, be it as a guide in their daily lives, in their prayers, or in conversation with others. Students may also gain a new understanding of certain passages of the Bible. In this class, the Bible passages will be selected from the book of Genesis

and the first half of the book of Exodus.

**Description:** Class time will be used to read and understand the instructor selected Bible passages, from Genesis and Exodus, then choose an attribute for the week, such as Creator, Eternal, Person, . . . . Homework each week consists of simple bookmarks making as an aid to commit to memory God's attributes learned. Optionally the students may apply the knowledge in conversation with others during the week. One bookmark is required to be cumulative of the words describing the attributes chosen weekly, totaling 30 by the end of the school year. In the last two weeks of the school year each student will show his/her cumulative bookmark, and optionally any additional bookmarks such as specials, for gifts, etc. Each student will also at the end of the school year be encouraged to share with the class his/her most memorable attributes and why. Parents, especially of younger students, are encouraged to attend to be able to support students' homework.

**Introduction to Logic: Holly Postma****Time:** 2:10 PM to 3:10 PM**Grade:** 8 to 12**Class Size:** 3 to 20**Cost:** \$0.00 monthly, \$25.00 materials**Text (Provided by Teacher):** Three-ring Binder with all required homework assignments, quizzes, and tests.**Text (Provided by Student):** Introduction to Logic by Jason Lisle The Uitimate Proof of Creation by Jason Lisle**Student Expectations:** Come ready and eager to learn and contribute during class time. There is a fair amount of homework for this class, so please come ready to work hard!**Description:** Colossians 2:8 warns, "See to it that no one takes you captive through hollow and deceptive philosophy, which depends on human tradition and the basic principles of this world rather than on Christ." There is a battle raging around us and the battleground is the heart and mind of our children. How do we arm them with God's word and inoculate them against the lies of the enemy who has perniciously and effectively infiltrated our schools, universities, and scientific communities to such an extent that many people no longer question the false assumptions that eliminate the recognition of God in our culture? Evolution, secular humanism, naturalism, materialism... these are all challenged by the very existence of logic, which to exist. requires intelligence, order, and design. Logic is a testimony to God and His design for our universe, planet, and lives. Logic allows us to quickly recognize and abandon faulty reasoning that sets itself up in opposition to God and His Truth. By diving into the rules and laws of Logic we will affirm God's existence, be able to give a better defense for the hope in us, and be able to wisely and confidently uphold the wisdom and truth of our Creator.**Pre-Algebra: Kristine Grigas****Time:** 2:10 PM to 3:10 PM**Grade:** 7 to 12**Class Size:** 8 to 20**Cost:** \$40.00 monthly, \$25.00 materials**Text (Provided by Student):** Abeka v workbook, Code #: 147095, Pre-Algebra Teacher's Key for solutions, Code #: 147109, and Pre-Algebra Test and Quiz book, Code #: 147125**Prerequisites:** Students should have completed through a minimum of sixth grade math. They should know their math facts and how to do long division.**Description:** Pre-algebra starts with a thorough review of arithmetic topics, broadening many topics to include multiple approaches to a solution. The main portion of the text is devoted to the introduction of foundational algebra concepts and related topics, including scientific notation, geometry, statistics, and trigonometry. Problem-solving strategies help the student apply mathematical skills to word problems. Students will build confidence in their mathematical potential as they successfully work in advanced topics. This course gives solid traditional preparation to equip students for success in their future high-school algebra studies. Expect 4-5 hours/week on lessons and tests. Students complete daily lessons then correct using the teacher key. Parents administer tests which will be corrected by the instructor. Course grades based on homework, tests, and participation. Books purchased at Abeka.com.**Self-Defense: Josh Alexander****Time:** 2:10 PM to 3:10 PM**Grade:** 7 to 12**Class Size:** 4 to 20**Cost:** \$28.00 monthly, \$30.00 materials**Student Expectations:** Students should try their best, participate, and have fun. Students should also dress for ease of movement. Students need to practice the techniques taught in class at home.**Description:** One of the most crucial skills that we must learn is how to protect both ourselves and others. Students will learn several self-defense techniques to defend themselves and others from various attacks. Class will include warm-up exercise, learning good self-defense habits, and practicing self-defense techniques. Class is taught by a certified Shudokan Karate Black Belt with 14 years experience.

**High School Biology: *Cydney Adler***

**Time:** 2:10 PM to 3:40 PM

**Grade:** 9 to 12

**Class Size:** 8 to 20

**Cost:** \$40.00 monthly, \$70.00 materials

**Text (Provided by Teacher):** Research Notebook

**Text (Provided by Student):** Exploring Creation with Biology (3rd Edition) by Vicki Dincher, Apologia Educational Ministries (January 1, 2020) ISBN-13 : 978-1946506450  
Do NOT get the spiral-bound Student Notebook. Solution's Manual optional but not required

**Prerequisites:** Be able to read, write and comprehend at grade level

**Student Expectations:** Students are expected to complete all labs, homework and tests. They should be ready to participate in each class by bringing their Research Notebook (provided) and a pen No auditing

**Description:** This is a Christ-centered, college-prep biology course that provides a detailed introduction to the methods and concepts of general biology. It provides the student with a strong background in the scientific method, current classification schemes, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, creation vs. evolution, dissection, and ecosystems. This is an intensive study which will prepare students for college level classes. Class time will be used for lecture, videos and experiments. Students will be expected to read 20-25 pages of text and complete study guides, tests, and lab notebook entries for each module (two weeks/module) . This class fulfills the requirement for a high school lab science. I do not recommend by-passing age requirements

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