

2018-
2019

DasCHE Scholastic Co-op Course Description Catalog

Revised 5/9/2018

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ART

Apparel Sewing 1 Lois Bullock

Grades: 5th,6th,7th,8th,9th,10th,11th,12th

This class is an introduction to the wonderful world of apparel sewing. The student will learn the basics of sewing clothing through three to four class projects that will result in wearable articles of clothing (skirt, lounge pants, top/simple dress, and apron). For younger students who are not able to go on to Apparel Sewing II because of size, we will add embellishments and/or other slightly more advanced techniques to the patterns used in this class for their second year.

Class Size Min: 4 **Max:** 6

Course Fee: \$25/month **Supply Fee:** \$20/year

Apparel Sewing 2 Lois Bullock

Grades: 6th,7th,8th,9th,10th,11th,12th

This class builds on the techniques learned in Apparel Sewing 1. The student will learn more difficult techniques of sewing clothing through two class projects that will result in wearable articles of clothing (skirt or pants, and blouse).

Class Size Min: 4 **Max:** 5

Course Fee: \$25/month **Supply Fee:** \$15/year

Art FUNdamentals Laura O'Connor

Grades: Kindergarten,1st,2nd

Art FUNdamentals 2 will provide your 1st-2nd grader with a little more advanced art skills education than Art FUNdamentals 1. We will work more on independent skills-building through cutting, pasting, texture, perspective, 2D & 3D images, the color wheel, color mixing, blending and tinting. Your young artist will complete projects throughout the year while exploring various art media like markers, paints, clay, chalk, watercolors, different papers, etc. Your child will have fun exploring different art styles and learning about the art all around them in this fun class!

Class Size Min: 4 **Max:** 12

Course Fee: \$30/month **Supply Fee:** \$35/year

Art Journaling Gina Obudo

Grades: 3rd,4th,5th

This class will let your creative juices flow. Art and reflections will be combined to create a beautiful journal. We will have pages dedicated to the month that we are in along with a monthly Bible scripture. Here is a sample for the month of September: Write some thoughts about your favorite school subject and illustrate! Copy your favorite apple recipe in your journal. Practice drawing apples. Now make the recipe for dessert! The students will be able to draw and embellish journals with a variety of materials that will be supplied.

Class Size Min: 4 **Max:** 10

Course Fee: \$25/month **Supply Fee:** \$25/year

Art Lab Cherie Jenkins

Grades: 6th,7th,8th,9th,10th,11th,12th

Offered to students currently enrolled in one of my Elementary, Kaleidoscope or Drawing with Mixed Media classes.

Art Lab is an additional art period where students will have use of the art tools and supplies. There will be no extra art lesson provided, rather, students will be encouraged to work on current art projects that they feel need a little extra time. Also, students will use Art Lab to practice and sharpen current art skills as well as develop their individual art technique. Art Lab will provide a place to complete some projects that students have worked on at home.

Class Size Min: 1 **Max:** 4

Course Fee: \$16/month **Supply Fee:** \$21/year

Beginning Metal Smithing, Jewelry Halli Vancil

Grades: 8th,9th,10th,11th,12th

Design and create your own jewelry, rings, bracelets, earrings, in a variety of metals. This course is for the novice who has never used a tool before. Covering the basic skills, with hands-on demos, we will explore: sawing, texturing, riveting, soldering and finishing, as well as simple stone setting techniques. Turn your ideas, starting the first day, into wonderful, wearable pieces of art.

Class Size Min: 4 **Max:** 8

Course Fee: \$45/month **Supply Fee:** \$100/year

Cartoon to the Moon Paul Vancil

Grades: 4th,5th,6th,7th,8th,9th,10th,11th,12th

Learning to create and enjoy the world of imaginary characters! Starting with basic building blocks and shapes, each class will bring a delightful and sometimes amusing personality to life. We will explore style, expression, shadowing and comic letter style as we advance. A great tool for hand/eye coordination and a definite leap into creativity and imagination.

Class Size Min: 14 **Max:** 4

Course Fee: \$35/month **Supply Fee:** \$40/year

Drawing Techniques Cherie Jenkins

Grades: 5th,6th,7th,8th,9th,10th,11th,12th

This Drawing Techniques Art class will show students how to create advanced art that will stand up as professional work! This class will enhance or give students skills in the art of drawing. Our focus will be on “how to draw” (human - eyes, nose, mouth ears, hair, hands.../ animal features - fur ..., perspective...) We will practice the fundamentals of drawing with different tools (various types of drawing pencils/ink pens/erasers/blending sticks...) Rather than producing a finished piece of art, students will complete a different technique every 2 to 3 weeks.

Class Size Min: 4 **Max:** 26

Course Fee: \$40/month **Supply Fee:** \$45/year

Drawing with Mixed Media Cherie Jenkins

Grades: 8th,9th,10th,11th,12th

This will be a challenging Art class for 8th through 12th grade students. Drawing techniques will be emphasized as this class is designed to provide the student with an in-depth understanding of drawing skills. This course covers drawing techniques which include rendering in graphite pencil, ink, pastels, and water color pencils. While rendering in visual art and technical drawing, emphasis on the process of formulating, adding color, shading and texturing an image will be our focus. My goal is to help students gain confidence in their drawing skills, learn to enjoy drawing with different mediums, and create gallery worthy art!

Class Size Min: 5 **Max:** 20

Course Fee: \$40/month **Supply Fee:** \$45/year

Elementary Art Cherie Jenkins

Grades: 2nd,3rd,4th

This art class is designed to promote artistic growth through art experiences using many different art techniques. Projects will include various kinds of collage, mosaic, watercolor, chalk and oil pastel, batik, relief sculpture, print making, drawing, sculpting, painting, and weaving. With each project, we will study art elements; line, color, shape/form, and texture. During class students will be introduced to famous artist and their art styles including; Impressionism, Surrealism, Realism, Expressionism, Fauvism, Cubism, Folk art, and Abstract art, to name a “few”! Students will gain further knowledge in Still Life, Landscape and Portrait compositions.

Class Size Min: 5 **Max:** 20

Course Fee: \$35/month **Supply Fee:** \$40/year

Fiber Fun Naomi Tuning

Grades: 4th,5th,6th,7th,8th,9th,10th,11th,12th

In this class we will use lots of FIBERS... learn to crochet, understand patterns and complete projects like scarves, headbands, pillows, boot cuffs, water bottle holders, and even afghans! Other fiber projects we will do may include string art, loom knitting, card making (paper is made of fibers) and even some fun pom pom crafts. Gain skills that will enable you to create gifts for just about anyone! While working on projects, we will have a small devotion from the book “Speak Love Revolution” by Annie Downs.

Class Size Min: 4 **Max:** 8

Course Fee: \$25/month **Supply Fee:** \$35/year

Film Production Ezra Vancil

Grades: 9th,10th,11th,12th

Learn the fundamentals of filmmaking all the way from script to screen. We will be learning an overview of production, planning, lighting, special effects, blocking and green screen techniques, acting, score basics and titles; all while creating a fun class film based on a script specially formulated to take us through the many exciting levels of film production. We will be working with some professional grade equipment and open source video editing software. The class will learn to work as a team and participate in all aspects of the film making.

Class Size Min: 8 **Max:** 15

Course Fee: \$40/month **Supply Fee:** \$45/year

Intermediate Metalsmithing Jewelry Design Halli Vancil

Grades: 8th,9th,10th,11th,12th

We will delve more into the designing part of Metalsmithing. Saw piercing, kiln enameling, chasing, soldering and other more advanced techniques. This year we will build on what they learned last year. I'll also discuss and have handouts about setting up a small inexpensive safe home jewelry studio space. The big project will be to design, saw pierce, and set stones to their very own Sterling silver pendant. Focused on perfecting their filing, sawing and setting techniques.

Class Size Min: 3 Max: 8

Course Fee: \$45/month Supply Fee: \$100/year

Kaleidoscope Art Cherie Jenkins

Grades: 4th,5th,6th,7th,8th,9th,10th,11th,12th

In class, art lessons will present art techniques including, collage, mosaic, watercolor, chalk and oil pastel, batik, relief sculpture, print making, drawing, sculpting, painting, and weaving. Students will explore different ways of using art mediums with elements and principles of design. Students will be encouraged to use their own creativity to expand their skills in the art process.

Class Size Min: 1 Max: 24

Course Fee: \$35/month Supply Fee: \$40/year

Look What I Made! Tracy Dubuisson

Grades: 1st,2nd,3rd

This is a class for 6-8 year olds who like to have fun and create their own arts and crafts. For the moms who don't like the mess or have the time while working with your older students to pull out the glitter and glue and let the younger ones 'create'. We will do craft projects with the younger set in mind...I will have a different project each week but they do all the 'work' in making it theirs so there is a confidence and pride in what they make. This year I will have 2 different classes (preK -1st) (1st-3rd)to better match abilities.

Class Size Min: 4 Max: 10

Course Fee: \$20/month Supply Fee: \$30/year

Quilting Lois Bullock

Grades: 4th,5th,6th,7th,8th,9th,10th,11th,12th

Quilting Basic: This class opens the student to the world of quilting through making a traditional quilt. The student will sew quilt blocks that will be combined into one twin or lap size quilt. The student will learn basic piecing & applique techniques, and if time allows, how to add sashing and borders to complete the quilt top.

Class Size Min: 4 **Max:** 6

Course Fee: \$25/month **Supply Fee:** \$15/year

Quilting & Sewing for Beginners Lois Bullock

Grades: 3rd,4th,5th

This quilting class is an introduction to the wonderful world of sewing and quilting. By completing four to five projects over the course of the year, the student will learn the basics of sewing with an emphasis on the techniques needed for continuing on in quilting or apparel sewing.

Class Size Min: 4 **Max:** 6

Course Fee: \$25/month **Supply Fee:** \$30/year

COMPUTER

Basic Computer Skills Sarah Shaw

Grades: 8th,9th,10th,11th,12th

Each student will become the owner of a fictitious business of their choice. Throughout the year, they will create various advertisements, presentations, budgets, charts, graphs, documents and forms pertaining to their chosen business. Students will learn how to use Microsoft Word, Excel and PowerPoint in diverse ways, a skill that will prove invaluable throughout their scholastic careers and beyond. These are skills every student should have in today's computer-centered society.

Class Size Min: 4 **Max:** 20

Course Fee: \$30/month **Supply Fee:** \$0/year

Graphic Design Fundamentals Ezra Vancil

Grades: 8th,9th,10th,11th,12th

Learn the fundamental skills of Graphic Design and Digital Production. We will learn fundamental design skills in software professionals use through real-world scenarios. We will create logos, artwork, web designs, product designs and more for our mock real-world clients; all while learning the important fundamentals of the technical and creative side of professional graphic design software.

Class Size Min: 8 **Max:** 15

Course Fee: \$45/month **Supply Fee:** \$75/year

FOREIGN LANGUAGE

American Sign Language 1 Shelly Barrett

Grades: 7th,8th,9th,10th,11th,12th

This class will qualify for a Foreign Language credit. The student will learn the grammar/signs/components of American Sign Language. Information about the language and the culture will also be presented. There will be a test given periodically during class to check for comprehension and student's ability to converse in ASL. There will also be homework each week for the student to complete and have ready for the next class. Grades will be given based off the tests and completed workbook assignments and activities.

Class Size Min: 4 **Max:** 15

Course Fee: \$25/month **Supply Fee:** \$0/year

American Sign Language 2 Shelly Barrett

Grades: 8th,9th,10th,11th,12th,13 y/o,14 y/o,15 y/o,16 y/o,17 y/o,18 y/o,19 y/o,Adult 20+ y/o

In this class, students will expand their vocabulary and fluency in American Sign Language. New vocabulary will be introduced during class times. Students will have homework during the week to utilize and memorize what they have learned. Tests will be given to check comprehension. Students will present a signed report about a famous deaf person for a final project. This class covers the second half of the book, Signs of the Times by Edgar H. Shroyer.

Class Size Min: 4 **Max:** 19

Course Fee: \$25/month **Supply Fee:** \$0/year

French 1 Angela Phelps

Grades: 9th,10th,11th,12th

****THIS IS A 32-WEEK COURSE****

This class will meet TWICE a week. Both Monday and Wednesday class will meet at 1:00.

This class will cover such elements as simple conversation, vocabulary, numbers, conjugated verbs, liason, and elision. We will use BJU's French 1 (Second Edition). Students will need to spend 5-7 hours/week studying/doing assignments. NO DIGITAL TEXTBOOKS/BOOKS.

Class Size Min: 4 **Max:** 12

Course Fee: \$40/month **Supply Fee:** \$15/year

French 2 Angela Phelps

Grades: 10th,11th,12th

Monday/Wednesday class ****THIS IS A 32-WEEK COURSE****

This class will meet TWICE a week. Both Monday and Wednesday class will meet at 2:00.

This class continues building on the foundation of vocabulary, grammar, and communication. Some of the chapter topics are: people, animals, clothing and jewelry, French cuisine, and even sports. Learn what it means to be a “francophone” as we understand the influence of the French language around the world. NO DIGITAL TEXTBOOKS/BOOKS.

Class Size Min: 4 Max: 5

Course Fee: \$40/month Supply Fee: \$15/year

Fun with Spanish 2 Ana Lopez

Grades: Kindergarten,1st,2nd,3rd,5 y/o,6 y/o,7 y/o,8 y/o

This class is designed for students grades K-2 with no previous Spanish education. Students do NOT need to know how to read to benefit from this class. At the end of the course, students will have learned basic Spanish words, including food and drinks, activities at the park, vehicles on the street, days of the week, the calendar, and animals.

Class Size Min: 4 Max: 10

Course Fee: \$22/month Supply Fee: \$10/year

Intro to ASL Shelly Barrett

Grades: 3rd,4th,5th,6th

In this class, students will be introduced to American Sign Language as well as aspects of Deaf culture. New vocabulary will be introduced during class times. We will use songs and games to practice the vocabulary we have learned. Students will need to review the lesson during the week to memorize what they have learned. Tests will be given to check comprehension.

Class Size Min: 3 Max: 15

Course Fee: \$20/month Supply Fee: \$0/year

Intro to French Angela Phelps

Grades: 7th,8th,9th

This class will cover the basics of the French language: simple conversation, counting to 100, memorizing The Lord's Prayer. We will also cover some French history and culture. There will be a few quizzes taken in class. Students will need to spend 3-5 hours/week studying/doing assignments.

Class Size Min: 4 **Max:** 12

Course Fee: \$30/month **Supply Fee:** \$15/year

Spanish 1 Trisha Porter

Grades: 9th,10th,11th,12th

Monday/Wednesday class ****THIS IS A 32-WEEK COURSE****

This class will meet TWICE a week. Both Monday and Wednesday class will meet at 3:00.

Spanish I is a foundation course for students with little or no experience in the study and use of the Spanish language. Units will focus on making interdisciplinary connections, drawing comparisons between languages and cultures, learning to use the target language, and building cultural awareness of Spanish-speaking countries around the world. We will focus on all four learning modalities: listening, speaking, reading and writing. This class fulfills the requirements for one credit of LOTE (Languages Other Than English). The class will begin two weeks before co-op starts.

Class Size Min: 4 **Max:** 20

Course Fee: \$42/month **Supply Fee:** \$10/year

Spanish 2 Trisha Porter

Grades: 9th,10th,11th,12th

Monday/Wednesday class ****THIS IS A 32-WEEK COURSE****

This class will meet TWICE a week. Both Monday and Wednesday class will meet at 2:00.

Spanish 2 is a course that builds upon the foundation of Spanish 1. Units will focus on continuing to make interdisciplinary connections, drawing comparisons between languages and cultures, using the target language, and building cultural awareness of Spanish-speaking countries around the world. We will focus on all four learning modalities: listening, speaking, reading and writing. The class will begin two weeks before co-op starts.

Class Size Min: 4 Max: 20

Course Fee: \$42/month **Supply Fee:** \$10/year

HISTORY/GEOGRAPHY

American Girl Fun Laura O'Connor

Grades: 1st,2nd,3rd

Welcome to American Girl FUN! Your American Girl will travel back in time and discover bravery and commitment to family through the eyes of Kirsten, a Swedish immigrant and her family as they arrive in America and settle on the Minnesota Prairie in 1854. We will read the books together, learn a Bible Verse to go with the theme, have discussions, make crafts, and make learning History FUN! Required texts: None. We will read the books together in class. If you would like to get the Kirsten series books for your daughter to have at home, they are: Meet Kirsten, Kirsten Learns a Lesson, Kirsten's Surprise, Happy Birthday, Kirsten!, Kirsten Saves the Day, and Changes for Kirsten.

Class Size Min: 4 Max: 12

Course Fee: \$20/month **Supply Fee:** \$20/year

American Girl History Laura O'Connor

Grades: 4th,5th,6th,7th

Your American Girl will travel back in time and discover what it was like through the eyes of two girls in the mid-1800s from the American Girl® Doll series. Though different, they both demonstrate what it means to be self-reliant, brave, free and dedicated to family. We will read about Kirsten Larson, a Swedish immigrant living on the Minnesota Prairie in 1854. Your student will also discover Addy Walker, a young girl from 1864, born into slavery in the South during the Civil War, who escapes to freedom with her family.

Class Size Min: 4 **Max:** 15

Course Fee: \$25/month **Supply Fee:** \$25/year

American History Lori Newmann, Dana Opper

Grades: 9th,10th,11th,12th

This 1 hour class is designed as an interactive discussion time for American History for High School homeschoolers. Through class lectures and group discussions centered on assigned readings, videos, art, map study and timelines, Lori and Dana will bring their passion and considerable wit to everyday life as they dig deep into the history and pull back the curtain on current events, or as they like to say, “the evil plot to destroy America.” Their viewpoint will entice students to delve for greater understanding and truth in these uncertain days. The tutors’ politically incorrect perspective will assist students in developing a solid chronological and thematic foundation as well as a basic understanding of the cultural, social and political climates that have impacted and shaped their own history. In addition to studying the United States Presidents and gaining a general knowledge of their key accomplishments, students of this course will examine the Constitutional Amendments and the impact they have on their daily lives.

Class Size Min: 4 **Max:** 25

Course Fee: \$28/month **Supply Fee:** \$20/year

Around the World Mireya Alvarez

Grades: 4th,5th,6th

Class Size Min: 4 **Max:** 15

Course Fee: \$25/month **Supply Fee:** \$35/year

Film History Joe Hall

Grades: 7th,8th,9th,10th,11th,12th

This introduction to film appreciation uses both contemporary and classic movies to help students develop critical skills in the analysis and evaluation of film. By suggesting what to look for and how to look for it, students will be challenged to sharpen their powers of observation, establish habits of perceptive watching, and discover complex aspects of film art that will further enhance their enjoyment of watching films. In addition, students will also gain knowledge of the history of cinema, covering the development of different genres worldwide. The student will watch one film a week and complete critical-thinking assignments based upon it. Weekly 1-page film reports

Class Size Min: 5 **Max:** 12

Course Fee: \$30/month **Supply Fee:** \$0/year

Fun with History Ana Lopez

Grades: 1st,2nd,3rd,6 y/o,7 y/o,8 y/o

Welcome to Fun with History! In this course, we will use Evan-Moor's History pockets to take a voyage to the New World in order to explore the lives of the Early settlers and the Native Americans. We will learn geography, history, culture, and main events throughout the early years of the New World, using crafts to aid in our explorations. These crafts will be compiled into a book that will be sent home with the students at the end of the year.

Class Size Min: 4 **Max:** 10

Course Fee: \$22/month **Supply Fee:** \$25/year

Govt/Economics Angela Phelps

Grades: 11th,12th

Monday/Wednesday class ****THIS IS A 32-WEEK COURSE****

This class will meet TWICE a week. Both Monday and Wednesday class will meet at 12:00.

This is a 32-week, Mon/Wed class, beginning in August. The fall semester covers the basic principles of government in America, including a study of the U.S. Constitution. Along with studying government, students will look at how the Ten Commandments affect society. The spring semester covers the basic principles of economics, especially regarding the choices that individuals and societies make and the benefits of a free enterprise economy. NO

DIGITAL TEXTBOOKS/BOOKS

Class Size Min: 4 Max: 20

Course Fee: \$35/month Supply Fee: \$15/year

Heroes Among Us - Medal of Honor Kim Rimmer

Grades: 7th,8th,9th,10th,11th,12th

****This is a 32-week class.****

This class will explore the important concepts of courage, commitment, sacrifice, patriotism, integrity, and citizenship, and how these values can be exemplified in daily life. This will be accomplished utilizing the oral histories of Medal of Honor Recipients and Citizen Heroes. This class is a cross-disciplinary course that will incorporate American History, English, Fine Arts, and Good Citizenship/Civics. Class time will be spent in the presentation of oral histories of various Medal of Honor recipients, class discussion and activities, presentation of projects, and creating timelines/maps. We will be using the curriculum from the Congressional Medal of Honor Foundation & Medal of Honor: Lessons of Personal Bravery and Self-Sacrifice. This is a 32-week class.

Class Size Min: 4 Max: 10

Course Fee: \$30/month Supply Fee: \$0/year

J/H American History Dana Opper

Grades: 6th,7th,8th

This class will emphasize significant time periods in US history such as the Colonial and Revolutionary Period, Civil War and Reconstruction, Industrial Revolution, Progressive Era, Wars of the 20th Century, Modern Era (1945-present day) The students will become familiar with the Constitutional Amendments, Presidents and location of the 50 states. There will be map work as well as 4 literature books that accompany the time periods being studied.

Class Size Min: 4 **Max:** 30

Course Fee: \$28/month **Supply Fee:** \$20/year

Road Trip USA Mireya Alvarez

Grades: 4th,5th,6th

Road Trip U.S.A. is an one-hour weekly unit hands-on study course that will take students on a journey from coast to coast discovering the 5 regions of our nation. Students will not only learn U.S. Geography, they will learn and comprehend how longitude & latitude coordinates is a major key in finding a location. Also students will be introduced to U.S. History, from the signing of the Declaration of Independence, to the Wild West. We will also discover together our 50 states and our nation wonderful and gorgeous landmarks like Plymouth Rock, the Statue of Liberty, the Gateway Arch, the Grand Canyons and much, much more!! This class will be a great introduction to major historical events like the Declaration of Independence, the Constitution, Revolutionary War, Civil War, Underground Railroad, the journey of Lewis & Clark and life on a chuck wagons going west. This class will have projects and a test after we complete each region.

Class Size Min: 4 **Max:** 15

Course Fee: \$25/month **Supply Fee:** \$35/year

Texas History Naomi Tuning

Grades: 5th,6th,7th,8th,9th

In this class, we will spend the year discovering the rich history of the great state of Texas. The course is presented in a newspaper format. Students will receive a newspaper each week that explores Texas development in chronological order. The reading is light and interesting and will spark great class discussions. We will play fun TX themed games. Much of the reading and written work throughout the newspaper will be done together in class. The students will have weekly Reaction Time questions to answer as homework.

Class Size Min: 4 **Max:** 15

Course Fee: \$25/month **Supply Fee:** \$25/year

World Geography Mireya Alvarez

Grades: 9th,10th,11th,12th

This course will investigate the geography, history, culture, politics, economies and current events of regions and countries around the world. Students will also study some of the global challenges people face today such as air and water pollution, excessive garbage, finding alternative energy sources, water dams, desertification, and extreme temperature survival in remote areas. Upon satisfactory completion of this course, students will earn one credit of High School Geography.

Class Size Min: 4 **Max:** 20

Course Fee: \$32/month **Supply Fee:** \$35/year

World History 4 Margaret Donnelly

Grades: 6th,7th,8th,9th,10th

Note: This class will start TWO weeks early on Wednesday, August 22

This is a unit study course covering the time from 1708-2014: from the wars for independence, classical composer, the modern wars, and it ends with a look at what is to come in the book of Revelation. Feel free to visit the author's website: www.themysteryofhistory.com. It is designed for junior high and early high school students. Over the year, students will read several literature selections and examine a number of works by various authors of the time. We will learn about the development of many cultures and significant people who lived during this era. Homework will include: reading from the textbook, researching/notebooking activities, literature reading, and related book study handouts, vocabulary words, map work, timeline work, and watching several movies during the year. Each student will present two research reports/projects (one each semester) on topics of his/her choice. During the weekly class time, the teacher will lead discussions on the subject matter, quiz/test students, facilitate games, and provide time and supplies to complete art/craft projects if possible.

Curriculum: Mystery of History Volume 4 Mystery of History Volume 4

Class Size Min: 5 **Max:** 14

Course Fee: \$40/month **Supply Fee:** \$15/year

World History Survey Kim Rimmer

Grades: 9th,10th,11th,12th

This is a 2-hr, 32-week class. It will begin two weeks before co-op begins.

This class will be an intensive study of World History from creation to present day. This is a one-year course which will incorporate World History, English, and Bible. Class time will be spent in discussion of reading/writing assignments, presentation of projects, creating timelines/maps as well as taking quizzes/exams. We will be using three textbooks as well as reading literature that may be found at the local libraries or from a local bookstore. Students will be required to do the reading assignments as well as completing any classroom assignments at home. Students will spend at least 10 hours each week completing assignments at home. Each student will earn 1 high school credit for World History, English (literature and composition), and Bible.

Course Fee: \$30/month **Supply Fee:** \$0/year

LANGUAGE ARTS

Advanced Writer's Workshop Georgia Fitzhugh

Grades: 6th,7th

Students will develop their writing skills by writing paragraphs, a short mystery story, a persuasive essay, a researched report, and poetry. Students will learn about basic library research and report formats. Topics such as subject-verb agreement, sentence types, and outlining will be taught. It is recommended that the parent teach a grammar program at home. Course objectives for this class are available for examination.

Class Size Min: 3 **Max:** 8

Course Fee: \$30/month **Supply Fee:** \$12/year

American & British Literature Rebekah Harris

Grades: 10th,11th,12th

This will be a challenging, college-prep English class, for 10th through 12th-grade students, ages 15-18. We will study American Literature the first semester and British Literature the second semester. We will incorporate the elements of reading with writing, vocabulary, and discussion. Class time will be used for lectures and class discussions of the various literary genres and authors that we will be reading. In addition to the text, we will read up to three (3) books by American authors and up to three (3) books by British authors. Literature selections will be on a two-year rotation. Projects will be completed after each reading selection. There will be tests given and active reading notes taken over the readings. Students will have vocabulary study, varying with the individual book, or text lists. Students will be expected to write some papers/essays, of varying lengths and type, displaying their knowledge of the material and demonstrating their critical thinking and analysis skills.

Class Size Min: 4 **Max:** 12

Course Fee: \$40/month **Supply Fee:** \$0/year

Beg HS Composition & Grammar Aimee Hoelscher

Grades: 8th,9th,10th

This class will teach the students basic writing skills. We will cover the writing process from sentence to essay. The students will learn and practice the steps of the writing process (pre-writing, researching, revising, proofreading, and publishing.) In addition, the students will have grammar practice and review on a regular basis.

The students will learn how to write all of the basic types of essays: expository, persuasive, descriptive, comparison, and narrative. They will also learn to write a research paper. There will also be instruction on writing essays in the style required by the SAT exam. The goal of this class is to prepare the students for college entrance exams and basic college English courses.

Class Size Min: 4 **Max:** 15

Course Fee: \$40/month **Supply Fee:** \$10/year

Beginning Writers' Workshop Georgia Fitzhugh

Grades: 4th,5th

Students will begin with writing simple sentences. A brief overview of parts of speech will be presented. Students will practice punctuation. They will develop paragraphs of various kinds before progressing to writing short stories, poetry and a fiction book report. They will learn about types of literature, the elements of a story, punctuation, and basic reference skills.

Course objectives for this class are available for examination.

Class Size Min: 4 **Max:** 10

Course Fee: \$34/month **Supply Fee:** \$15/year

Essay Lab for TSI/ACT/SAT/College Prep Tamara Lee

Grades: 10th,11th,12th

This class is designed to encourage and equip students to write better essays for the TSI (for community college/dual credit college entrance) and for the ACT/new SAT (for \$cholarships!). These essay skills will also prepare students for writing papers in college or career situations. Techniques, tips and lots of practice will fill our class time. The class is designed to allow focused individual tutor/student time to review essays, while other students are productively occupied with writing and vocabulary assignments.

Class Size Min: 6 **Max:** 14

Course Fee: \$33/month **Supply Fee:** \$5/year

Fancy Nancy 2 Vocabulary Class Naomi Tuning

Grades: Kindergarten,1st,2nd,3rd,6 y/o,7 y/o,8 y/o,9 y/o

This is a two-year rotation class where an entirely new set of Fancy Nancy books will be read in alternating years. Girls will build their vocabulary thru reading Fancy Nancy books, reading a different book each week of class, do fun activities that go along with the stories, and make a personalized “fancy words” binder that will have word lists added to each week of class. We will play Fancy Nancy board and card games, and make many fun crafts like tiaras, bracelets, bookmarks, etc. There will be multiple tea parties.

Class Size Min: 4 **Max:** 12

Course Fee: \$23/month **Supply Fee:** \$25/year

FIVE in a Row-Book Club Erica Woodell

Grades: Kindergarten,1st,2nd,3rd,5 y/o,6 y/o,7 y/o,8 y/o

The Five in a Row curriculum is a study of literature, but it also touches on history, geography, art, Bible, science, and language arts. The goal of this class is to create a love of reading and an appreciation for a well-written story. The desired outcome of this class will be to engender a life-long love of reading. We will read and discuss our story as a class. Each student will make a folder to keep and take home at the end of the year with all of the work done in class. We will complete projects, activities, and play games during class that pertains to our story’s location or culture. We will use the Bible as our compass to critique character’s behavior and broaden our world through books.

Class Size Min: 4 **Max:** 12

Course Fee: \$22/month **Supply Fee:** \$10/year

HS Comp & Grammar Rebekah Harris

Grades: 9th,10th,11th,12th

This is a practical writing course. Writing techniques will be addressed, including style, tone, and voice to name a few. Grammar will be approached from the standpoint that grammar is essential to get one's point across. It is a means to an end; therefore, we will focus on grammar as a way to improve writing clarity, not on diagramming sentences. The first semester we will work on essays, descriptive, narrative, expository, critical and persuasive. We will also go over the SAT writing segment, including many timed practices. The second semester we will continue to hone writing skills with the major project being a research paper. Of particular importance in the second semester: note-taking, outlines, summarizing, research skills and bibliographies.

Class Size Min: 4 **Max:** 20

Course Fee: \$40/month **Supply Fee:** \$0/year

HS English Aimee Hoelscher

Grades: 9th,10th,11th,12th

In this class, the students will read and analyze literature from a variety of genres including fiction, non-fiction, poetry, and prose They will also have weekly grammar practice and periodic writing assignments including a research paper.

Class Size Min: 4 **Max:** 15

Course Fee: \$40/month **Supply Fee:** \$15/year

IEW: Fables, Myths, and Fairy Tales Joezette Williams

Grades: 3rd,4th,5th

This course will introduce students to writing through comical characters, amazing animals, and praiseworthy people of history. We will cover units 1-7 of IEW's Structure and Style Writing Program. Students will learn to take notes from the source text, summarize narrative stories, write from pictures, create mini-research report, and compose essays. The objective is to teach students to write well, think clearly, communicate effectively, to distinguish good writing, and above all, to grow the student's love for writing.

Class Size Min: 6 **Max:** 12

Course Fee: \$35/month **Supply Fee:** \$15/year

IEW: World History-Based Writing Lessons Jozette Williams

Grades: 6th,7th,8th

Follow the course of World history from the birth of the modern world to twenty-first-century technology and prominent people while learning to write with structure and style. Your student will cover units 1-9 of the IEW's Structure and Style Writing Program. Students will learn to take notes from a source text, summarize narrative stories, summarize references, write from pictures, create mini-research reports, write essays and compose critiques. The objective is to teach students to write well, think clearly, communicate effectively, to distinguish good writing and above all to grow your student's love for writing.

Class Size Min: 6 **Max:** 12

Course Fee: \$35/month **Supply Fee:** \$15/year

Int Writer's Workshop Georgia Fitzhugh

Grades: 5th,6th

Students will spend several weeks on each of these general topics: sentence and paragraph development, letters, poetry, creative writing/story development, basic reference skills, and report writing. Students will write a book report on a biography book. They will also write a brief researched paper. A brief review of grammar and sentence parts will be covered, but it is recommended that parents use a grammar program at home. Course objectives for this class are available for examination.

Class Size Min: 4 **Max:** 10

Course Fee: \$34/month **Supply Fee:** \$15/year

Intro to Speech and Debate Kim Mills

Grades: 8th,9th,10th,11th,12th

Forensics, def., the art or study of argumentation and formal debate. This class will teach parliamentary procedure, philosophical debate basics, explore extemporaneous speaking on current events, and how to apply constructive argumentation. These skills prepare students for college and business through research, presentation skills, confidence, critical thinking, improved articulation, and conflict resolution.

Class Size Min: 4 **Max:** 12

Course Fee: \$25/month **Supply Fee:** \$20/year

J/H Literature and Composition Joe Hall

Grades: 7th,8th

This class is on a two-year rotation.

The emphasis in this course will be on reading/Comprehension, Literature, Composition, and Vocabulary. We will be using A Beka's Of People as a textbook, besides reading a variety of books (some of them will be the same ones required for the history classes), short stories and poetry. The students will have reading assignments for each week. We will review simple analysis and literary terms. Compositions will include paragraphs, outlines, book reports, short essays and a short story. Vocabulary will be taken from the material the students read, from current news events, and there will be weekly vocabulary quizzes. The quiz and test book will be provided with the supply fee.

Class Size Min: 4 **Max:** 12

Course Fee: \$34/month **Supply Fee:** \$10/year

Let's Read Priscilla Sotelo

Grades: 1st,2nd,6 y/o,7 y/o,8 y/o,9 y/o

This class teaches initial phonetic sounds which we approach through multiple senses. Let's Read is for readers who are in the beginning levels of reading. Class will consist of a reading card deck, reading centers and reading activities that reinforce what we learn each week. Your child will have a notebook with homework which will be a word list for coding, reading and fluency.

Class Size Min: 4 **Max:** 6

Course Fee: \$25/month **Supply Fee:** \$25/year

Magic Tree House Literature Class Karlin Harris

Grades: 1st,2nd,3rd,4th

This class is designed to foster a love of reading as well as exploring and researching different time periods, events, and people throughout history with the Magic Tree House Series. We will learn about ancient civilizations, jungles, earthquakes, famous people in history, and more! We will read the books together in class, then discuss and work on a mixture of various projects, research, hands on activities and crafts pertaining to the book.

Class Size Min: 7 **Max:** 15

Course Fee: \$25/month **Supply Fee:** \$60/year

Middle School Grammar Aimee Hoelscher

Grades: 6th,7th,8th

This class will teach the students the basics of English grammar. Students will learn a variety of grammar rules dealing with such topics as proper word usage, subject-verb agreement, punctuation, and parts of speech. The goal of this class is to teach the students proper grammar rules as well as how to construct proper sentences and paragraphs.

Class Size Min: 4 **Max:** 12

Course Fee: \$40/month **Supply Fee:** \$8/year

Page Turners Gina Obudo

Grades: 4th,5th,6th

Using a combination of short stories and chapter books, we'll kick back and enjoy some good stories. Along the way, we'll discover plenty of new vocabulary, and informally examine literary devices such as foreshadowing, character development, and suspense. Special attention will be given to why certain descriptive passages evoke our imagination. Literature will be selected based on student interest.

Class Size Min: 4 **Max:** 8

Course Fee: \$25/month **Supply Fee:** \$10/year

Phonics Games Stephanie Walle

Grades: Kindergarten,1st,2nd,3rd

This is a reading class focusing on phonics, utilizing the Phonics Game card game program. We will also utilize the Learning - Palettes from Usborne Books and More to help introduce and/or reinforce phonics. We will learn the phonics rules by playing card - games. We will complete reading comprehension and other activities. I look forward to serving you and your child this year as we - learn together

Class Size Min: 4 **Max:** 10

Course Fee: \$25/month **Supply Fee:** \$10/year

Shakespeare Tamara Lee

Grades: 9th,10th,11th,12th

We will read and learn about five plays, and a Shakespeare related novel. Students remarkably turn out to LOVE Shakespeare once participating in these classes, which are complete with laughter, gasps, and groaning. Using tutor provided copies of “No Fear Shakespeare”, and reading from both the original and translation, we will divide parts, read-aloud and enjoy getting to know the witty tongue and wonderful stories of the bard. Add drama if you will, try out those accents, and have a better understanding of a great playwright and literature. We will be reading Twelfth Night, Othello, Taming of the Shrew, King Lear, Much Ado About Nothing, and The Shakespeare Stealer. Homework is moderate (usually less than an hour per week) and includes some simple art journaling. No book purchases necessary, but parental discretion is advised, as the content of Shakespeare includes some mature themes and PG language.

Class Size Min: 5 **Max:** 12

Course Fee: \$28/month **Supply Fee:** \$20/year

Speech Gina Obudo

Grades: 9th,10th,11th,12th

This class is intended to make students into confident and competent speakers. Students will observe and evaluate the speech preparations of Ronald Reagan, Churchill, Teddy Roosevelt, Billy Graham, Martin Luther, Abraham Lincoln, and Patrick Henry. Reports on these men will comprise 40% of the overall grade. The rest of the class will consist of preparing, making, and evaluating the students’ own 6 speeches.

Class Size Min: 4 **Max:** 15

Course Fee: \$33/month **Supply Fee:** \$10/year

Spelling Improvement 1 Georgia Fitzhugh

Grades: 2nd,3rd,4th,5th

Spelling Improvement is a class for students in grades 2 to 5 who experience mild difficulty in spelling. The Test of Written Spelling will be administered to all students to assess knowledge. Lessons will be based on student levels and class needs. This course will emphasize phonetic spelling instruction based on the Orton-Gillingham-Slingerland methods, which is the basis of the Dyslexia Training Program. Phonograms, which are letter and sound combinations, will be taught visually and auditorily. Spelling words will be drawn from phonetic lists and from common word lists. Students will learn manuscript and cursive writing.

Class Size Min: 4 **Max:** 8

Course Fee: \$35/month **Supply Fee:** \$20/year

Spelling Improvement 2 Georgia Fitzhugh

Grades: 3rd,4th,5th,6th

Students who take this course must have taken Spelling Improvement 1 or be able to score at a third-grade level or above on the Test of Written Spelling. The course will emphasize phonetic spelling and cover digraphs, trigraphs, syllable division rules, suffixes, and words of foreign origins. Students will learn lowercase and uppercase cursive writing. Spelling instruction will be based on Orton-Gingham-Slingerland methods.

Class Size Min: 4 **Max:** 6

Course Fee: \$35/month **Supply Fee:** \$18/year

Word Attack- Reading Strategies Priscilla Sotelo

Grades: 4th,5th,6th

This is a fun reading course that is very much hands on. This course teaches students how to apply word attack strategies. These strategies will include phonetic awareness, understanding the 6-syllable types for syllable division, and learning common prefixes and suffixes. I will provide a composition note book journal and folder for each student which will need to be brought to class each week.

Class Size Min: 4 **Max:** 12

Course Fee: \$0/month **Supply Fee:** \$0/year

World Literature and Composition Angela Phelps

Grades: 10th,11th,12th

World Literature & Composition is a 30-week class, meeting one day each week. This class will cover various forms of literature, along with various assignments of writing. There will be in-class discussions and literary analysis. We will use A Beka's World Literature (Fourth Edition) textbook for general literature studies. We will also read several full works (Odyssey, A Tale of Two Cities, And Then There Were None), which can be obtained at the library or bookstores. Quizzes will be taken in class; most tests will be sent home. Students will need to spend 4-5 hours each week studying and working on assignments. NO DIGITAL TEXTBOOKS/BOOKS.

Class Size Min: 4 Max: 12

Course Fee: \$35/month **Supply Fee:** \$15/year

MATH

Algebra 1 Debbie Dooley

Grades: 8th,9th,10th,11th,12th

**** THIS IS A 32-WEEK COURSE ****

**** THIS COURSE MEETS TWICE PER WEEK (Monday and Wednesday at 12:00)****

Topics covered in this fully-comprehensive Algebra 1 course include adding, subtracting, multiplying and dividing with powers and roots, scientific notation, solving linear equations and inequalities in one variable, rate, work and mixture word problems, simplifying and factoring polynomials, rational expressions, adding, subtracting, solving quadratic equations by factoring, completing the square, and using the quadratic formula, graphing linear equations, slope, graphing higher-degree equations, solving systems of two linear equations in two variables graphically and algebraically, solving inequalities in one variable, graphing two-variable inequalities, functions, absolute value equations, mean, median, mode, range, stem and leaf plots, box and whisker plots, histograms, and probability including tree diagrams.

Class Size Min: 4 Max: 25

Course Fee: \$50/month **Supply Fee:** \$15/year

Algebra 2 Debbie Dooley

Grades: 9th,10th,11th,12th

**** THIS IS A 32-WEEK COURSE ****

**** THIS COURSE MEETS TWICE PER WEEK (Monday and Wednesday at 2:00)****

Algebra II covers a second year course building on Algebra I. Topics include solving first-degree, second-degree and higher-degree equations, simplifying and solving fractional and rational equations, simplifying and solving equations involving exponents, roots, imaginary, irrational and complex numbers, solving systems of equations and inequalities, functions and logarithms, and statistics and probability. Class will begin two weeks before co-op starts.

Class Size Min: 4 Max: 25

Course Fee: \$50/month Supply Fee: \$15/year

Algebra Lab Debbie Dooley

Grades: 8th,9th,10th,11th,12th

This class will be an activity based algebra lab. We will go over problem areas that are common with Algebra 1 & 2. This is NOT intended to be a complete math program or high school math credit. It is intended to help the student while taking their own algebra curriculum. This class can serve as their own math tutor for those problem areas. The student can have assistance on homework or practice and reinforce algebraic concepts.

Class Size Min: 3 Max: 15

Course Fee: \$40/month Supply Fee: \$10/year

Fractions, Decimals & Percents, Oh My! Margaret Donnelly

Grades: 6th,7th,8th,9th

This is a math class focusing on the three higher level concepts needed to prepare a student to be successful in pre-algebra and algebra: fractions, and decimals, and percent. These concepts are of course closely related to each other, and my goal in this class is to help your student master each of them and to be confidently ready to tackle upper level math. If time allows, at the end of the year, we will also touch on other concepts, such as: converting measurements, finding area and volume, and solving some basic algebraic equations. We will learn these skills through interactive lessons and notebooks, games, worksheets, and timed tests. This class is a supplement to your curriculum at home, so homework will be minimal. I highly recommend that your student continues to practice their multiplication tables often at home, as a complete mastery of multiplication is a must for algebra. In order to be certain that this class is the right fit for your student, I have developed an assessment test and a scoring scale to help me determine your student's ability level in this area of math. Please email me directly and I will send you the test and more information. My goal is to partner with you to help your student have a successful year of mathematics.

Class Size Min: 4 Max: 12

Course Fee: \$28/month Supply Fee: \$10/year

Geometry Sarah Shaw

Grades: 9th,10th,11th,12th

THIS IS A 32-WEEK COURSE

This class will meet every Wednesday and will have an online class every other Monday. The Monday class will be recorded so students may "attend" live or view the class at a later time.

Geometry covers all the topics in a high school level course. A constructive approach will be taken, using what students already know about visual geometry to help them understand the very fundamental ideas of point, line and plane in space. SAT and ACT prep math is included in this course. Class will begin two weeks before co-op starts.

Class Size Min: 4 Max: 20

Course Fee: \$50/month Supply Fee: \$10/year

Math for Business and Life Sarah Shaw

Grades: 10th,11th,12th

“When am I ever going to use this?” You won’t be hearing these words when your student is enrolled in Math for Business and Life! This course covers math skills as they apply to business and “real life.” The course starts with a review of basic math skills as they apply to business. In the second section of the course, students will learn about banking and investments, loans and credit, and home, car and insurance expenditures. In the third section of the course, students will learn about mathematics related to retailing, purchasing, management, payroll, and bookkeeping.

Class Size Min: 4 **Max:** 20

Course Fee: \$30/month **Supply Fee:** \$10/year

Math Games Stephanie Walle

Grades: Kindergarten,1st,2nd,3rd,5 y/o,6 y/o,7 y/o,8 y/o,9 y/o

This is a Montessori style class. We will have a circle time each week where we learn a new math concept every two weeks, We will sing and then play games having to do with that particular concept. Topics to be touched on: place value, fractions, money, basic geometry, addition, subtraction, multiplication, and division. We will utilize tangrams, geoboards, card games and books to help teach basic math concepts. Students will break into groups and play games after a circle time.

Class Size Min: 4 **Max:** 20

Course Fee: \$25/month **Supply Fee:** \$10/year

Math Lab for TSI/ACT/SAT Sarah Shaw

Grades: 10th,11th,12th

In this activity-based math lab, students will learn to solve SAT-type math problems in clever and efficient ways, so they will spend less time on each problem and have a plan for how to approach the most difficult of questions. We’ll cover multiple approaches to solving a variety of problems to help students identify an approach that makes the most sense to them. I’ll also cover calculator tricks and shortcuts that almost feel like cheating-- but it’s not! This class is not intended to provide a full math credit or to replace a core math class.

Class Size Min: 4 **Max:** 15

Course Fee: \$30/month **Supply Fee:** \$10/year

Multiplication Mania Margaret Donnelly

Grades: 3rd,4th,5th,6th,8 y/o,9 y/o,10 y/o,11 y/o,12 y/o

This is a math class focusing on the four basic math skills necessary for success in all higher levels of math: addition, subtraction, multiplication, and division. We will work on these skills mainly through games and the use of manipulatives, such as dice, playing cards, dominoes, and other common items. Our main focus will be multiplication. We will spend just a few weeks reviewing addition and subtraction and then spend most of the year working toward a complete understanding of and mastery of multiplication and division. We will do this through games and also constructing an interactive notebook to aid in our practice and memorization of topics, and we will take weekly timed tests. This class is intended to supplement your own math curriculum at home. My goals for this class are for students to come to enjoy math and to know that they can be successful at it.

Class Size Min: 4 **Max:** 10

Course Fee: \$28/month **Supply Fee:** \$10/year

Pre-Algebra Margaret Donnelly

Grades: 6th,7th,8th,9th

This is a 32-week course that meets on Monday and Wednesdays.

This full academic year class encourages mastery of basic math skills and introduces algebraic concepts in a non-threatening way, all while helping students to think logically. Topics include using fractions, decimals, and percents, converting measurements, finding area and volume, using integers, simplifying rational expressions, solving basic algebraic equations, using powers and radicals, and topics in geometry, relations, functions and graphing and statistics and probability. The class will begin two weeks before co-op starts.

Curriculum: Teaching Textbooks Teaching Textbooks Pre-Algebra 2.0 textbook and answer key/test bank; CD's are not required for the class

Class Size Min: 4 **Max:** 14

Course Fee: \$40/month **Supply Fee:** \$10/year

Pre-Calculus Sarah Shaw

Grades: 10th,11th,12th

THIS IS A 32-WEEK COURSE

This class will meet on Wednesday and will meet online on Mondays. Several times throughout the year, the Monday online class will be cancelled and an optional tutoring session will be offered instead.

This course provides a strong foundation for work with functions that culminates with an introduction to the calculus topics of the derivative and the integral. Beginning with a review of polynomial functions, the study progresses to exponential and logarithmic functions, trigonometric functions and identities, vectors and polar coordinates, systems and matrices, and sequences and probability. This course requires either a TI-83 or TI-84 graphing calculator and teaches students how to use it. We will have online orientation on Monday, August 21st to kick-off the class. Since this is a 32-week course, there will be 8 full tuition payments due.

Class Size Min: 4 Max: 20

Course Fee: \$50/month Supply Fee: \$10/year

MUSIC & DRAMA

Grace Notes Choir Tina Chen

Grades: 7th,8th,9th,10th,11th,12th

Are you a 7th through 12th grader who loves to sing? Then Grace Notes is just for you. This is a choral experience emphasizing good singing technique, teamwork, and basic music knowledge including reading music and singing in parts — all through the joy of making music to the Lord! Using mainly Christian music, the choir will learn at least 6 pieces per semester with the goal of at least 1 performance in the fall and 2 in the spring. Some optional performances may occur, such as Christmas caroling and/or singing at nursing homes. All levels of musical ability and experience are welcome!

Class Size Min: 8 Max: 15

Course Fee: \$25/month Supply Fee: \$35/year

Grace Notes Jr. Choir Tina Chen

Grades: 1st,2nd,3rd,4th,5th,6th,6 y/o,7 y/o,8 y/o,9 y/o,10 y/o,11 y/o,12 y/o

Let's make music to the Lord together! Grace Notes Jr. is a beginning choir for 1st through 6th graders. Working together chorally, we will begin to learn how to blend our voices, read music, and sing rounds and two-part harmonies. Our goal will be to learn 5 songs to perform each semester and to have at least one performance towards the end of each semester. Most of the songs will be Christian, but we may throw in a few secular pieces as well. Some optional performances may occur, such as Christmas caroling and/or singing at a nursing home. All levels of musical ability and experience are welcome!

Class Size Min: 6 Max: 15

Course Fee: \$25/month Supply Fee: \$30/year

Guitar/Keyboard Private Lessons Jonathan Smith

Grades: Kindergarten,1st,2nd,3rd,4th,5th,6th,7th,8th,9th,10th,11th,12th

Guitar and keyboard lessons will be a one on one private lesson once a week on the desired instrument. An assessment of each student will take place first lesson and the lessons will be customized to the goals and desires of each student on the instrument they have chosen. Each student will learn during the course of these lessons the basic fundamentals of the instrument, and Basic Music Theory. We will be exploring how Music theory is applied in Popular Music today, also in the bands or solo artists whom they listen to. With the content provided in these lessons each student will be encouraged to compose their own song by the end of the semester showcasing the various fundamentals they learned during the lessons. There will be a Student Recital near the end of the school year. Participation will be encouraged but NOT FORCED. Students will be encouraged to have FUN and be CREATIVE with the instrument.

Class Size Min: 1 Max: 1

Course Fee: \$90/month Supply Fee: \$0/year

Music Makers Dana Opper

Grades: Kindergarten,1st,2nd,3rd

This is a general music class in which students will develop music skills and become familiar with basic theory. This familiarization will be achieved through singing and rhythm games. In addition, the students will participate in two musical performances at the end of the year. Extra rehearsals are mandatory for participation in the final production and students will be required to purchase or rent their costumes if it is decided that is what will be needed. There will be extra charges assessed in the spring to help cover performance and facility rental fees including paid programs.

Class Size Min: 4 Max: 30

Course Fee: \$22/month Supply Fee: \$20/year

Musikgarten: Cycle of Seasons Tina Chen

Grades: Kindergarten,3 y/o,4 y/o,5 y/o,6 y/o,Pre-Kindergarten

Musikgarten: Cycle of Seasons is a musical celebration of the world God made using activities that build on the child's growing independence and encourage the child's moving, singing, verbal and listening skills. It nurtures the children's ability to use language and capitalizes on their delight in dramatic play within the musical context. Lessons will be filled with songs, movement activities, exploration of instruments and imaginative stories for children to make their own. Parents are encouraged but not required to attend with their children. - - For more information about Musikgarten, please visit <https://www.musikgarten.org/>

Class Size Min: 4 Max: 10

Course Fee: \$25/month Supply Fee: \$85/year

Production Crew Amanda Jones

Grades: 8th,9th,10th,11th,12th

The purpose of this course is to learn about sets, props and being part of a stage management crew. We will provide support to the Show Tunes, Show Tunes, Jr. and Show Kids productions.

Class Size Min: 4 Max: 10

Course Fee: \$28/month Supply Fee: \$28/year

Show Kids Dana Opper

Grades: 4th,5th,6th

Students in this class will sing, dance, and act their way towards an exciting musical to be performed at the end of the year. Extra rehearsals are mandatory for participation in the final production and students will be required to purchase or rent their costumes if it is decided that is what will be needed. There will be extra charges assessed in the spring to help cover the performance and facility rental fees including paid programs..

Class Size Min: 4 **Max:** 45

Course Fee: \$24/month **Supply Fee:** \$30/year

Show Tunes Dana Opper

Grades: 10th,11th,12th

PLEASE NOTE: THIS CLASS WILL BEGIN 2 WEEKS EARLY.

Singing and dancing come together in this exciting class as the students learn and perform a Broadway musical. The year will be spent preparing music, choreography and speaking parts. There will be at least three performances at the end of the year. Extra rehearsals are mandatory for participation in the final production and students will be required to purchase or rent their costumes if it is decided that is what will be needed. There will be extra charges assessed in the spring to help cover performance and facility rental fees including paid programs.

Class Size Min: 4 **Max:** 55

Course Fee: \$28/month **Supply Fee:** \$50/year

Show Tunes Jr. Dana Opper

Grades: 7th,8th,9th

PLEASE NOTE: THIS CLASS WILL BEGIN 2 WEEKS EARLY.

Throughout the year, the students in this class will prepare music, choreography, speaking parts, costumes and sets for a Broadway musical to be performed twice at the end of the year. Extra rehearsals are mandatory for participation in the final production and students will be required to purchase or rent their costumes if it is decided that is what will be needed. There will be extra charges assessed in the spring to help cover performance and facility rental fees including paid programs.

Class Size Min: 4 **Max:** 63

Course Fee: \$26/month **Supply Fee:** \$40/year

Songwriting and Music Production Jonathan Smith

Grades: 7th,8th,9th,10th,11th,12th

This Course will cover essential aspects of songwriting and producing/recording and learning Music Theory basics needed for Song Composition. Each student will write and record a song as a class project. We will take an in depth look at creating melodies, song structure, song arrangements and orchestration used in Pop Music. We will also be looking at how to use digital recording. i.e. Pro Tools, Logic Pro x and GarageBand.

Class Size Min: 3 **Max:** 5

Course Fee: \$45/month **Supply Fee:** \$10/year

Voice Master Class Karen Murrah

Grades: 5th,6th,7th,8th,9th,10th,11th,12th

The Voice Master Class will function as a semi-private voice lesson for the students enrolled. The class schedule will include vocal warm-up, sight reading (a requirement for college music scholarships), and private instruction for each student. Students will listen to the private instruction for other singers, as this is a valuable learning experience. Students will work on vocal techniques such as breath support, breath control, tone quality, diction, posture, vocal range, and development of a diverse repertoire. This class will help to prepare students for college auditions, musical auditions, church performances, and recitals. Students are invited to participate in studio recitals throughout the school year. *Students of Karen Murrah have received music scholarships to such schools as SMU, TCU, Rice, University of Houston, UNT, and DBU. *

Class Size Min: 4 **Max:** 10

Course Fee: \$40/month **Supply Fee:** \$0/year

OTHER ELECTIVES

Chess Michael Westlund

Grades: 3rd,4th,5th,6th,7th,8th,9th,10th,11th,12th

Playing chess is a fun, interactive way for children to develop critical thinking and problem-solving skills. Research shows that the concentration developed through playing chess improves reading scores and that the emotional intelligence learned helps chess players solve conflicts by peaceful means. I teach the students to never give up and to play to win, but I also stress character development in a relaxed, supportive, fun atmosphere. When they lose, I require the students to be a good sport and learn all they can from their mistakes and from their opponents good moves.

Class Size Min: 6 **Max:** 20

Course Fee: \$20/month **Supply Fee:** \$15/year

Communication & Leadership Jennifer Smith

Grades: 7th,8th,9th,10th,11th,12th

This course is designed to explain the importance of communication during conflict and change. Case studies and practical application will help the student understand the principles of communication in a variety of settings. The student will apply knowledge and apply strategies which will prepare students to effect change through leadership. Students will understand the importance of crucial conversations in the midst of conflict and understand the flight or fight impulsive responses.

Class Size Min: 4 **Max:** 15

Course Fee: \$20/month **Supply Fee:** \$27/year

Cooking Gayle Gann

Grades: Kindergarten,1st,2nd,3rd,4th,5th,6th,7th

The goal of this class is to teach younger students to prepare simple meals, snacks, and treats as well as gain enough confidence in the kitchen to complete the recipes. We will learn about safety in the kitchen, utensils and appliances and how they are used , and how to follow recipes and mixing directions. Included in our lineup will be desserts, main dishes, sides, snacks, drinks, and other non-edible items that can be used as gifts. The best part is eating what has been prepared. Students will also be expected to help in clean up. This is not a class about nutrition, however, it will be discussed. This will not be a gluten free class; please inform me of any food allergies.

Class Size Min: 6 **Max:** 12

Course Fee: \$28/month **Supply Fee:** \$50/year

Dancing Through Time Lori Newmann

Grades: 7th,8th,9th,10th,11th,12th

This group dance class begins with and has as its core, the exploration of English Country Dance. We will learn several dances dating back not only to the time of the American Revolution but group dances dating back almost 2000 years. In addition, students will enjoy discovering the etiquette, tradition and music history of the major dance forms since English Country including the Waltz, Polka, Ragtime and American Country as well as the Big Band Era as they learn the essentials of Swing Dancing. In addition, we will study several ballroom basics as well as modern country line dancing.

Class Size Min: 12 **Max:** 75

Course Fee: \$25/month **Supply Fee:** \$5/year

Entrepreneurial Venture 1 Jennifer Smith

Grades: 3rd,4th,5th,6th,7th

This class is designed for students grades 3-7 and is designed to teach young children how to be independent and develop critical thinking skills. These skills will enable students to understand how to develop a business case, come up with the product, design a process, and utilize analytical skills at a very young age, which will allow them to build on these basic principles as they mature and throughout their adult life. Students will learn how decisions today will affect the future; understand how being prepared or having an awareness can affect the ability to capitalize on an opportunity; and, understand that the difference between those who are successful and those who are not, is information and preparation. At the end of the course students will be able to identify basic business principles, utilize critical thinking, analytical skills, and understand the basic concept of supply and demand.

Class Size Min: 4 **Max:** 15

Course Fee: \$20/month **Supply Fee:** \$25/year

Entrepreneurial Venture 2 Jennifer Smith

Grades: 8th,9th,10th,11th,12th

This class is designed for students grades 8-12. This course is designed to teach junior high and high schoolers how to be independent and develop critical thinking skills. Students will develop a business case, design a product, design a process. Students will utilize analytical skills which will allow them to build on these principles as they mature and throughout their adult life.

Class Size Min: 4 Max: 15

Course Fee: \$20/month Supply Fee: \$25/year

Equipping and Encouraging Moms Margaret Donnelly

Grades: Adult 20+ y/o

Come join us for a class just for moms! We are going to build community as we learn and grow in our homeschooling journey! This class will be very interactive and provide you with tools and encouragement as you strive to be the best homeschooling mom you can be and honor God in all you do. Topics will range from finding your teaching style, your child's style, and figuring out how to blend the two, how to homeschool with young children or elderly parents in the mix, specific ideas for each subject, extra resources that are super cheap or FREE, special guest speakers, and so much more! Looking forward to journeying with you!

Class Size Min: Max: 0

Course Fee: \$5/month Supply Fee: \$5/year

Faith & Reason Jason Watson

Grades: 9th,10th,11th,12th,14 y/o,15 y/o,16 y/o,17 y/o,18 y/o

This course is designed to help students understand the common views of the integration between psychology and the Christian faith. Students will examine the relationship between traditional psychological concepts as compared to what the Scriptures teach. Discussion will be made on traditional personality theories, current worldviews, and the importance of knowing who we are in Christ, in order to be an effective witness throughout the world.

Class Size Min: 4 Max: 25

Course Fee: \$35/month Supply Fee: \$5/year

Fallacy Detective Tamara Lee

Grades: 6th,7th,8th

This class will teach your child thinking skills and how to recognize poor reasoning. Students learn to discern poor logic often contained in secular college courses, politics, and the media. It is also a lot of fun! Our primary source will be "The Fallacy Detective" by the home-taught Bluedorn brothers, which was written with a Judeo/Christian worldview. The class will have little or no homework, but plenty of in-class interactive exercises, critical thinking, and learning experiences. Logic is foundational learning for your child's future as a consumer and voter, in speech & debate experiences, as well as work in fields such as law or crime solving. The critical thinking exercises will strengthen brain power and problem solving.

Class Size Min: 5 Max: 12

Course Fee: \$25/month **Supply Fee:** \$25/year

Foundations in Personal Finance Tanya Kirkland

Grades: 8th,9th,10th,11th,12th

Dave Ramsey's Foundations in Personal Finance teaches students how to save money, live on a budget, communicate about money, eliminate debt, find bargains, and experience the joy of giving, and the blessings of tithing. Students will be empowered with the practical skills and confidence needed to achieve financial goals and experience true financial peace! Class time is spent viewing Dave's DVD presentations and using a workbook designed specifically for high school students and includes occasional scriptures from the King James Bible. Students will also participate in meaningful real-life financial activities, and facilitated group discussions.

Class Size Min: 6 Max: 20

Course Fee: \$20/month **Supply Fee:** \$0/year

Games Lori Cionca

Grades: Kindergarten,1st,2nd,3rd,4th,5th,6th,7th,8th

This class is very fun and lighthearted. It is meant to be an alternative for those elementary students who choose not to attend Study Hall and to provide a nice break in the day for them. We will play various board and card games.

Class Size Min: 4 Max: 20

Course Fee: \$13/month **Supply Fee:** \$10/year

Intro to Communication & Leadership Jennifer Smith

Grades: 3rd,4th,5th,6th,7th,8th,11 y/o,12 y/o,13 y/o

This course is designed to explain the importance of communication during conflict and change. Case studies and practical application will help the student understand the principles of communication in a variety of settings. The student will apply knowledge and apply strategies which will introduce students to effective ways to effect change through leadership.

Class Size Min: 4 **Max:** 15

Course Fee: \$20/month **Supply Fee:** \$27/year

Introduction to Christian Apologetics Jason Watson

Grades: 8th,9th,10th,11th,12th

We live in a post-modern society. Secular ideas and thoughts have even entered into our modern church services. It is more important today that we know not just what we believe but why we believe it. Therefore, it is essential that every believer be ready to give a defense of the faith they adhere to.

The word “apologetics” comes from the Greek word “apologia”. It means, “a verbal defense.” It is used several times in the New Testament, it is the verse in 1 Peter 3:15. that is most commonly associated with Christian apologetics.

“...but sanctify Christ as Lord in your hearts, always being ready to make a defense to everyone who asks you to give an account for the hope that is in you, yet with gentleness and reverence,” (1 Peter 3:15).

Therefore, Christian apologetics deals with answering any criticism that opposes or questions God, Jesus and even the accuracy of the Bible. It uses historical evidence, scientific investigation and human reason to give both an objective and reasonable defense of the Christian Faith.

This course is designed to prepare the young Christian to not only have confidence in their faith but be ready to give their own defense of the Christian faith. This is solid spiritual foundation is essential to any young person who is preparing to go into a world that opposes and is even hostile toward any Christian ideas and beliefs.

Introduction to Christian Apologetics is a great compliment to the course Integration of Faith and Reason that is also being offered at DASCHE during the academic year.

Class Size Min: 4 **Max:** 25

Course Fee: \$35/month **Supply Fee:** \$0/year

Kids' Day Out Naomi Tuning / Karen Trapp

Grades: Pre-School,2 y/o,3 y/o,4 y/o,5 y/o,Pre-Kindergarten

Moms, this is a time for you to pamper yourselves or run errands while your child is learning and developing in a Christian environment. Attention will be given in gross and fine motor development as we follow the Memoria Press Preschool curriculum that gently introduces numbers, colors, and shapes. Using classic children's books, the children will engage in music, movement, and artistic activities.

Class Size Min: 4 Max: 8

Course Fee: \$23/month Supply Fee: \$10/year

Lego Club Kimberly Mederios

Grades: 1st,2nd,3rd,4th,5th

This year in Lego Club we will be learning about simple machines using Legos. Each class I will discuss a simple machine. The beginning of the year will be easy simple machines and as the year progresses it will start to be more detailed. Each child will have their own hand out with directions on it and will be paired with another child to complete the project in class. We will also have times during the year for free play days and challenging days where they will make a simple machine they have learned to earn a prize.

Class Size Min: 5 Max: 15

Course Fee: \$20/month Supply Fee: \$30/year

Lego Robotics Mirenda Canady

Grades: 5th,6th,7th,8th

In this amazing class, students will use LEGO Robots, and EV3 Programming, to improve their computer programming and engineering skills. - - Participants will use the LEGO EV3 technology to construct robots that will complete logic and programming focused challenges. A visual programming language will be used to program our bots. Students will be taught how to use several types of coding structures including loops, if-then statements, and variable manipulation through a series of mini-challenges. This class stresses team building and collaboration requiring students to work in groups of 2-3 in most situations. - -

*Important Note: The first semester is about 30% building and 70% computer programming. The second semester is about 50/50.

Class Size Min: 6 Max: 12

Course Fee: \$40/month Supply Fee: \$50/year

Psychology and Christian Faith Jason Watson

Grades: 9th,10th,11th,12th,14 y/o,15 y/o,16 y/o,17 y/o,18 y/o

The purpose of this course is to investigate why human beings think and act the way they do. It is an introduction to the basic principles of human behavior and principles of human development, awareness, learning, motivation, personality, and social influence - The focus of the course is on the development of a Christian perspective on psychology. Students will examine the relationship between traditional psychological concepts as compared to what the Scriptures teach.

Class Size Min: 4 **Max:** 25

Course Fee: \$35/month **Supply Fee:** \$0/year

Strategy & Logic Naomi Tuning

Grades: 5th,6th,7th,8th,9th

Qwirkle, Hive, Blokus, Pyramids, and Sumoku..... What do these games all have in common? They are all strategy games! Get ready to think and strategize while playing MENSA recognized games and puzzles. The whole class will learn a game/puzzle together and then practice strategies for that game/puzzle with each other.

Class Size Min: 4 **Max:** 14

Course Fee: \$20/month **Supply Fee:** \$15/year

Study Hall Christi Wallander

Grades: 8th,9th,10th,11th,12th

Study Hall is available for students who are able to study or talk quietly during Study Hall. They need to bring work or other pastimes that can be done independently, quietly and for at least one-hour duration. Study Hall will ONLY be for students 8th -12th grade.

Class Size Min: 4 **Max:** 25

Course Fee: \$10/month **Supply Fee:** \$0/year

Yearbook Gayle Gann

Grades: 7th,8th,9th,10th,11th

The Yearbook Class will be responsible for planning, photographing, designing layouts, editing, and publication of the DasCHE Yearbook. They will be preserving the memories of all the students in our Association. The Class will also be organizing extra-curricular activities for the Co-op. Must be self-motivated when it comes to photography.

Class Size Min: 4 **Max:** 5

Course Fee: \$30/month **Supply Fee:** \$25/year

PHYSICAL EDUCATION

Elementary Ballet Mykah Hawkins

Grades: Kindergarten,1st,2nd,3rd,4th,5th

This course is a beginner ballet course for elementary aged children. They will learn technique, barre routines, and how to worship Christ through dancing.

Class Size Min: 4 **Max:** 15

Course Fee: \$27/month **Supply Fee:** \$5/year

Elementary Boys PE John Eastham

Grades: 1st,2nd,3rd,4th,5th

Students will participate in both exercise and competitive team sport activities. There will be an emphasis on teaching athletic skills. Instruction will cover basic physical skills such as; catching, throwing, batting, volleyball and basketball skills. The purpose of the class is to teach skills and sportsmanship and most of all to have fun. The ages are divided each year into Elementary, Jr. High and High School classes, so there are several options for your student. Refer to the Schedule of classes for time periods.

Class Size Min: 8 **Max:** 32

Course Fee: \$20/month **Supply Fee:** \$0/year

Elementary Girls PE Sherry Wray

Grades: 1st,2nd,3rd,4th,5th

This is a fun, energetic class for Elementary Girls. Class begins with a warm-up with running and or scooter relays. The sports and recreational games will consist of kickball, dodgeball, tag games, flag tag, relays, parachute games and more. The basic skills and strategies for these sports and recreational games will be taught. Teamwork and sportsmanship are emphasized in this class so that all can participate and have fun.

Class Size Min: 4 **Max:** 30

Course Fee: \$20/month **Supply Fee:** \$0/year

HS Boys PE John Eastham

Grades: 9th,10th,11th,12th

Students will participate in both exercise and competitive team sport activities. There will be an emphasis on teaching athletic skills. Instruction will cover basic physical skills such as; catching, throwing, batting, volleyball and basketball skills. The purpose of the class is to teach skills and sportsmanship and most of all to have fun. The ages are divided each year into Elementary, Jr. High and High School classes, so there are several options for your student. Refer to the Schedule of classes for time periods.

Class Size Min: 8 **Max:** 32

Course Fee: \$20/month **Supply Fee:** \$0/year

HS Girls PE Sherry Wray

Grades: 9th,10th,11th,12th

This is a fun, energetic class for High School Girls. Class begins with warm-up running and stretching followed by sports or recreational games. Sports and recreational games will consist of flag tag games, dodgeball, kickball, soccer, and more. Team play will be competitive and fun, but good sportsmanship and teamwork will be emphasized.

Class Size Min: 4 **Max:** 30

Course Fee: \$20/month **Supply Fee:** \$0/year

J/H Boys PE John Eastham

Grades: 6th,7th,8th

Students will participate in both exercise and competitive team sport activities. There will be an emphasis on teaching athletic skills. Instruction will cover basic physical skills such as; catching, throwing, batting, volleyball and basketball skills. The purpose of the class is to teach skills and sportsmanship and most of all to have fun. The ages are divided each year into Elementary, Jr. High and High School classes, so there are several options for your student. Refer to the Schedule of classes for time periods.

Class Size Min: 8 **Max:** 32

Course Fee: \$20/month **Supply Fee:** \$0/year

J/H Girls PE Sherry Wray

Grades: 5th,6th,7th,8th

This is fun, energetic class for Junior High Girls. Class begins with warm-up running and stretching followed by sports or recreational games. Sports or games will consist of flag tag games, dodgeball, kickball, soccer and more. Team play will be competitive and fun, but good sportsmanship and teamwork will be emphasized.

Class Size Min: 4 **Max:** 30

Course Fee: \$20/month **Supply Fee:** \$0/year

SCIENCE

Anatomy Martha Snyder

Grades: 9th,10th,11th,12th

**** THIS IS A 32-WEEK COURSE **Anatomy and Physiology - Grades 9-12**

This is an advanced biology course that combined with Exploring Creation With Biology, gives the student the equivalent of a university biology course. It covers both the anatomy and the physiology of the human body's 11 organ systems in detail. Class time is spent using the microscope and dissecting. We will spend the year dissecting and studying the cat by system, along with studying other various organs of the sheep. Students also have the option to get a health credit while taking this class. Students must have the capability to print off labs and other materials. Students will complete module summaries, study questions, lab reports, and tests at home. Parents will be responsible for grading all assignments and tests as well as keeping a record of completed assignments, tests, and grades. No grade reports will be issued by the tutor for this class. There will be two sessions prior to co-op.

Class Size Min: 4 Max: 25

Course Fee: \$35/month Supply Fee: \$55/year

Biology Tammy Wilkins

Grades: 8th,9th,10th,11th,12th

****This is a 32 week course****

This course is designed to be the student's first high school science course. Exploring Creation With Biology provides a detailed introduction to the methods and concepts of general biology. Heavily emphasizing the vocabulary of biology, it provides the student with a strong background in the scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. It also provides a complete survey of the five kingdoms in Creation. Please note that this course does not contain a discussion of human anatomy and physiology. Students will spend class time taking quizzes, doing labs, with a brief overview of chapter material as time permits. Students will complete module summaries, study questions, and lab reports at home. Parents will be responsible for grading the study questions and returning them to the instructor. Students must have the capability to print off labs and other materials. There will be two sessions prior to co-op.

Class Size Min: 4 Max: 25

Course Fee: \$35/month Supply Fee: \$35/year

Chemistry Martha Snyder

Grades: 9th,10th,11th,12th

**** THIS IS A 32-WEEK COURSE ****

This course is designed to be a first-year high school chemistry course and gives the student a rigorous and Biblical foundation in chemistry, in order to prepare him or her for a college-level course. The course covers significant figures, units, classification, 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 devoted to lab experiments and class discussion to enhance the understanding of the concepts covered and discussion of concepts and reading. Students will complete module summaries, study questions, lab reports, and tests at home. Parents will be responsible for grading all assignments and tests as well as keeping a record of completed assignments, tests, and grades. No grade reports will be issued by the tutor for this class.

Class Size Min: 4 Max: 25

Course Fee: \$35/month Supply Fee: \$35/year

Creation Science for High School Students Michael Westlund

Grades: 6th,7th,8th,9th,10th,11th,12th

Semester 1: This class uses the wonders of nature and the fascinating facts of science to support the God of creation rather than the theory of evolution. In semester 1, we learn the science that supports the book of Genesis in the Bible. If the account of creation in Genesis is not true, students may wonder what else in the Bible may not be true? Students will learn defensible answers to some of the most controversial questions of faith and science such as the origin of life, the age of the universe, and Noah's flood. The students gather this knowledge from the Institute for Creation Research's Unlocking the Mysteries of Genesis video series, my own PowerPoints, class discussion, assignments, and activities.

Semester 2: During the second semester, the students learn to apply their knowledge of creation science to their lives. The Foundations video series of Ken Ham from Answers in Genesis provides the class with many deep theological questions that are solved by understanding the science of Genesis. The Foundations goes much farther to develop a Biblical worldview by showing the true cause of the crumbling of our culture's moral foundations and the weakness in modern Christianity to defend the authority of the Word of God. The goal is to lock the students into a Biblical worldview, so that friends, colleagues, the media and the trials of life do not sway them away from the truths of the Bible.

Class Size Min: 5 Max: 20

Course Fee: \$25/month **Supply Fee:** \$15/year

Elementary Science Priscilla Sotelo

Grades: Kindergarten,1st,2nd,3rd,5 y/o,6 y/o,7 y/o,8 y/o,9 y/o,10 y/o

This hands-on science class is rich with experiments and activities! The following subjects will be covered this year in Elementary Science: magnets, electricity, the five senses, the Universe, properties of matter, scientists and inventors.(Scientist and Inventors will be included in our study as time permits.)

Class is divided into five units and I will provide a science notebook journal for each student. I will also transport their notebooks to and from co-op. Students will take their notebooks home after each unit. The cost of the journal is included in the supply fee.

Class Size Min: 4 Max: 12

Course Fee: \$25/month **Supply Fee:** \$25/year

General Science Tammy Wilkins

Grades: 6th,7th,8th

****This is a 32 week course****

This course is designed to be a student's introduction to upper level sciences. The course covers such topics as the scientific method, designing experiments, simple machines, archaeology, geology, paleontology, biology, and human anatomy and physiology. Students will spend class time doing labs with a brief overview of chapter material. Labs will include using microscopes, simple dissection, and labs presented in textbook. Students will complete study questions, lab reports, and test at home. Parents will be required to grade test and study questions and return to tutor. Students must have the capability to print off labs and other materials. - There will be two sessions prior to co-op. - Homework: 2 to 4 hours per week

Class Size Min: 4 Max: 26

Course Fee: \$35/month Supply Fee: \$35/year

Kid Concoctions & Contraptions Tammy Wilkins

Grades: 3rd,4th,5th,6th

Come, join us as we create as we learn....and get messy! This will be a collection of TOP SECRET recipes used to create items such as Goey Gunk, Funny Putty, Creepy Crawlers, Squeeze Rockets, Super Bubble Ooze, Phony Spill, Pocket Rocket, Shrinky Doos, Indoor Hot Air Balloon, Magic Marble Dip, Balloon Hovercraft, Wacky Window Paint, Sea Monster Farm, Hydro Jet Boat And many more! Kid Concoctions and Contraptions promote science, art, math, recycling and basic life skills.

Class Size Min: 6 Max: 12

Course Fee: \$27/month Supply Fee: \$40/year

Marine Biology Martha Snyder

Grades: 8th,9th,10th,11th,12th

Marine Biology

**** THIS IS A 32-WEEK COURSE ****

This Marine Biology course from Apologia is ideal for those who would like to pursue marine biology or another field in life science. The course focuses on marine wildlife and habitats and covers biological kingdoms, microscopic organisms, marine creature anatomy, and several different ocean ecosystems. Students will spend class time primarily doing labs and engaging in lectures. Students will complete module summaries, study questions, lab reports, and tests at home. Parents will be responsible for grading all assignments and keeping a record of them. No grade reports will be issued by the tutor for this class. There will be two sessions prior to co-op.

Class Size Min: 10 Max: 20

Course Fee: \$35/month **Supply Fee:** \$35/year

Physical Science Michael Arrington

Grades: 7th,8th,9th,10th,11th,12th

Physical Science is a great fundamental course in the sciences of geology, meteorology (weather), astronomy, chemistry, and physics. These sciences are developed and integrated together in a way that will appeal to the modern student. The Apologia course is creation based and a prerequisite for Biology. Physical Science is a full year of science and laboratory, with many hands-on experiments providing important laboratory experience as well as demonstrating the concepts taught in each module. During class, I teach the major concepts and answer questions on each module, guide the students through lab experiments and filling out lab reports, and apply concepts to daily life.

Class Size Min: 5 Max: 16

Course Fee: \$35/month **Supply Fee:** \$20/year

Physics Johanna Tomancik

Grades: 10th,11th,12th

**** THIS IS A 32-WEEK COURSE, 2 HOUR COURSE****

This college-prep physics course is designed for the student who has completed algebra and has had an introduction to the definitions of sine, cosine, and tangent. It provides a detailed introduction to the methods and concepts of general physics, heavily emphasizing vector analysis; this text is ideal preparation for a university-level physics course. It provides the student with a strong background in one-dimensional and two-dimensional motion, Newton's laws and their application, gravity, work and energy, momentum, periodic motion, waves, optics, electrostatics, electrodynamics, electrical circuits, and magnetism. Students must have the capability to print off labs and other materials.

Class Size Min: 5 Max: 25

Course Fee: \$35/month Supply Fee: \$35/year

Science Solutions Tammy Wilkins

Grades: 8th,9th,10th,11th,12th

For students enrolled in GENERAL SCIENCE or BIOLOGY

This class is to help reinforce what the student is learning, for the struggling student or the student that just needs a bit more help with science. It is not a lecture or assignment based class, however, it is a supplement to Biology or General Science and is meant to assist the student in keeping up with assignments, make up for missed labs and allow for a more meaningful grasp on the subject. I will assist the student as needed in finishing his/her assignments but I will not be lecturing or repeating an entire class period. The student will work independently on some things, with my assistance in comprehending and finishing their assignments. This class is meant to be an additional complement to Biology and General Science, not to take the place of those courses.

YOU MUST BE ENROLLED CONCURRENTLY IN MY BIOLOGY OR GENERAL SCIENCE CLASSES TO BE ABLE TO TAKE THIS CLASS.

Please note: I will only go backwards one module. So, if we are on Module 4 in class, I will only assist with making up one module prior; in this case, we would be working on Module 3(previous) and 4 (current) in Science Solutions lab. I feel this is necessary since making up too much would overwhelm the student and not be conducive to learning new materials.

Class Size Min: 4 **Max:** 20

Course Fee: \$15/month **Supply Fee:** \$0/year

Science Topics--Astronomy Michael Arrington

Grades: 4th,5th,6th,7th

This fun, hands-on course, is offered for the upper elementary student to cover a variety of topics. Class time will be spent doing labs, such as using the microscopes, dissecting, and discussing the topic of the week. This class is designed to instill a love of science while preparing students for upper-level classes. This class is on a three-year rotation and topics change each year. Students must have the capability to print off labs and other materials.

Class Size Min: 4 **Max:** 12

Course Fee: \$35/month **Supply Fee:** \$35/year

Science Topics--Chemistry & Physics Michael Arrington

Grades: 4th,5th,6th,7th

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