

PATH Fall 2018 - Course Catalog

Abacus Speed Math

Class #: 3832 **Class Time:** 11:00 - 12:00 **Teacher:** Lisa Panak

Fee(s): **Class Fee**
\$18.00

Description: The Abacus is a calculating tool with rods and beads used for mathematics in Asia. It prepares students to do mental math of large numbers and large groups of numbers easily. This level of Abacus Math is primarily for grades 3-6, but it would also provide a good review for middle schoolers. It is a class for those who are interested in speeding up their addition and subtraction math skills, interested in how Asian culture teaches math, or for those who would like to one day be in an Abacus competition. The Abacus or Soroban, as it's called in Japan and China, is a great visualization tool for enhanced and faster calculating skills, better problem solving abilities, sharper focus, clearer logical reasoning, and enhanced photographic memory. This course will review the concepts from Abacus 1, but will allow for more complicated problems for those mastering the concepts. Multiplication will be taught along with addition and subtraction of large numbers and lists of numbers. Auditory math will be practiced as problems will be called out to perform. A Japanese Soroban will be provided along with worksheet pages.

Homework: N/A

Supplies: Pencil, scratch paper, 3 ring binder

Advanced Lego Builders

Class #: 3533 **Class Time:** 11:00 - 12:00 **Teacher:** Angel Hargrave

Fee(s): **Class Fee**
\$10.00

Description: If you love building with Legos then this is the class for you. The sky is the limit of what you can design and build. I encourage creativity and give you the freedom to build your designs as you see fit. There will be lego challenges and lots of great fun and prizes. Even though the class is called Advanced Lego Builders, builders of all levels are welcome.

Homework: Students will be asked to draw out their designs at home.

Supplies: Basic supplies. Students may also bring legos from home, but beware that it may be difficult to keep their pieces separate from those of the PATH Legos. PATH has plenty of legos so they will not need to bring their own but they can if they want to.

American Girl: Felicity, Grades 1-2

Class #: 1241 **Class Time:** 1:00 - 1:55 **Teacher:** Ashleigh Lankford

Fee(s): **Class Fee**
\$15.00

Description: Meet Felicity, a lively girl growing up in Colonial Williamsburg in 1776. Throughout the semester we will read and discuss the six Felicity books, and explore the history within them. We will take a peek at life in the 1700's, try our hands at crafts and hobbies, and even enjoy some recipes that Felicity herself might have made. At the end of the semester, we will celebrate this Colonial American Girl with a tea party at which we will watch the Felicity: an American Girl movie.

Homework: It is strongly encouraged that students read several chapters from the series each week.

Supplies: Regular school supplies; access to the six Felicity books (check your library)

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Anatomy and Physiology

Class #: 81251 **Class Time:** 2:00 - 3:00 **Teacher:** Tamara Leraas

<u>Fee(s):</u>	<u>Class Fee</u>	<u>Teacher Fee</u>	<u>Building Fee</u>
	\$25.00	\$50.00	\$15.00

Description: Using the textbook "Body by Design", along with "The Princeton Review Anatomy Coloring Book" (3rd Edition), students will study the human body, learning about each of the eleven body systems. We will explore each of the body systems, focus upon diseases, while profiling the classic and contemporary scientists and physicians who have made remarkable breakthrough in studies of the different areas of the human. We will also perform dissections and experiments for a deeper look into the intricate design of the human body. This high school lab science will be 15 weeks/2 semesters.

Homework: Students must be able to maintain required reading from the textbook and coloring book, as well as answer chapter questions and fill in system diagrams. There will be approximately 30 minutes to an hour of homework each day.

Supplies: ** "Body by Design" by Alan L. Gillen

** "The Princeton Review Anatomy Coloring Book" 3rd Edition
These can be purchased at RainbowResource.com, ChristianBook.com, and Amazon.com

** Student notebook - I will hand this out the first day of class. It will contain all syllabus information, chapter questions, system diagrams, and any labs/dissections that will be completed in class.

Apologia Biology - Lab

Class #: 81241 **Class Time:** 1:00 - 1:55 **Teacher:** Tamara Leraas

<u>Fee(s):</u>	<u>Class Fee</u>	<u>Teacher Fee</u>	<u>Building Fee</u>
	\$25.00	\$50.00	\$15.00

Description: 1 hour lab supporting Apologia Exploring Creation With Biology. We will perform all dissections 2nd semester.

Study Guides and tests for each chapter are turned into the teacher for accountability, and are noted on the syllabus with due dates. However, in depth lecture for each chapter will not be conducted in class as we will only have time to complete the labs each week. If students need help in understanding the text, parents will need to be able to assist and I am always available to answer questions when needed.

This is a 15-week/2 semester course.

Homework: Students must be able to maintain required reading from the syllabus and be prepared for each experiment to be completed in class.

Lab write-ups are required for each experiment.

Study guides and chapter tests will be turned into the teacher for each chapter.

Supplies: ** "Exploring Creation with Biology" by Dr. Jay Wile (2nd Edition)

This can be found in many places on the internet, as well as at Mardel. You will need this book before the semester starts as there will be a reading assignment due the first week of class.

**Lab Book - I will provide these and hand them out on the first day of class.

**Pencils and/or pens and colored pencils.

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Apologia Physical Science

Class #: 81252 **Class Time:** 2:00 - 3:00 **Teacher:** RaeAnn Pierce

<u>Fee(s):</u>	<u>Class Fee</u>	<u>Teacher Fee</u>	<u>Building Fee</u>
	\$5.00	\$50.00	\$15.00

Description: Using the text Exploring Creation with Physical Science by Apologia, this course discusses such topics as the atmosphere, the hydrosphere, weather, the structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity, and astrophysics. We will meet for 15 weeks for 2 semesters. This course is recommended for students 8th grade and up. Students should have completed 7th grade math before taking this class.

Homework: In order to earn full high school credit for this course, student must spend a minimum of 3 hours per week at home.

Supplies: Apologia Exploring Creation with Physical Science by Dr. Jay Wile. (2nd Edition), student notebook, pen or pencil. Parents may also want to purchase the solutions manual and CD-Rom for this course if they feel it would help their student at home.

Art Around the World

Class #: 1221 **Class Time:** 10:00 - 10:55 **Teacher:** Stacy Rickey

<u>Fee(s):</u>	<u>Class Fee</u>
	\$12.00

Description: This class is for the artist who likes adventure. Join us as we travel the globe and visit different countries. Each week we will have a chance to create art that is reflective of the country we just learned about. Pack your art supplies and join us as we explore the wonderful world that God created.

Homework: N/A

Supplies: Basic art supplies: scissors, glue, pencil, crayons, markers

Art Explorers

Class #: 3523 **Class Time:** 10:00 - 10:55 **Teacher:** Rebekah Lovelace

<u>Fee(s):</u>	<u>Class Fee</u>
	\$12.00

Description: Come & discover great artists with us! This fall we will continue to explore great artists throughout history. Each week we will read about a particular artist, then create our own unique piece of work. We will encourage students to interpret what they see in famous works of art and then try the techniques themselves. The activities provide hands-on experience inspired by the artist's style, subject, and media.

Homework: No homework will be assigned.

Supplies: Scissors & pencil with an eraser, everything else will be supplied.

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Bake and Take

Class #: 3513 **Class Time:** 9:00 - 9:55 **Teacher:** Jana Madden

Fee(s): **Class Fee**
\$20.00

Description: Students will practice reading a recipe, measuring ingredients, and how to clean up after themselves, all while baking a yummy treat to take home and share.

Homework: N/A

Supplies: Student may want to bring an apron to class each week to protect their clothing. Also, students may sometimes need to bring baking pans or other basic kitchen supplies from home to use during class.

Basketball

Class #: 61214 **Class Time:** 9:00 - 9:55 **Teacher:** Erin Kerry

Fee(s): **Class Fee**
\$5.00

Description: We will begin with stretching and warm up drills to practice dribbling, passing, and shooting. We will learn the basic rules of basketball and work towards playing scrimmage games, but we will focus on having fun and being active!

Homework: None.

Supplies: athletic shoes, comfortable clothes, and a water bottle.

Beginning Calligraphy

Class #: 61235 **Class Time:** 11:00 - 12:00 **Teacher:** Rebekah Lovelace

Fee(s): **Class Fee**
\$15.00

Description: Come & learn how to make beautiful letters quick and easy! No artistic talent required. You don't even need to have great handwriting! We'll learn all lower & upper case letters along with punctuation and by the end of the semester, you'll make a beautiful original of your own! We will also have an optional field trip opportunity to Ken Brown's Studio in Downtown McKinney. We will be using his Calligraphy Handbook, from which you will learn basic strokes that when combined create beautiful lowercase & uppercase lettering.

Homework: Practice, practice, practice the strokes, and then letters learned each week!

Supplies: Books are being donated by Mr. Ken Brown. All other materials provided by teacher, included in fees.

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Christmas Ornament Creations

<u>Class #:</u>	1251	<u>Class Time:</u>	2:00 - 3:00	<u>Teacher:</u>	Jana Madden
<u>Fee(s):</u>	<u>Class Fee</u>				
	\$20.00				
<u>Description:</u>	Students will make a different kind of Christmas ornament each week to take home and display on their tree at the end of the semester.				
<u>Homework:</u>	none				
<u>Supplies:</u>	Basic school supplies like scissors, markers, crayons, glue, etc.				

Counting on Coins

<u>Class #:</u>	1222	<u>Class Time:</u>	10:00 - 10:55	<u>Teacher:</u>	Nancy Buercklin
<u>Fee(s):</u>	<u>Class Fee</u>				
	\$6.00				
<u>Description:</u>	Students will learn about coins through playful practice. We will sort and compare coins, count money in a variety of games, and practice shopping. Literature links may include Silverstein's poem "Smart" or Alexander's Not Rich Anymore. Come join the fun!				
<u>Homework:</u>	none				
<u>Supplies:</u>	Standard school supplies (scissors, colors, pencil, glue stick-2), 2 quarters, 5 dimes, 10 nickels, and 25 pennies (coins will be returned at the end of the semester). If your student uses a lot of glue, he/she may need 3 or 4 glue sticks; we will be gluing every week. Students will be given a folder of papers the first day they will need to bring back to class each week.				

Creativity with Clay

<u>Class #:</u>	3541	<u>Class Time:</u>	1:00 - 1:55	<u>Teacher:</u>	Amy Glass
<u>Fee(s):</u>	<u>Class Fee</u>				
	\$15.00				
<u>Description:</u>	Polymer clay is an awesome plastic modeling compound that stays soft until baked in an oven. We will create different projects each week, including magnets, decorative pen, jewelry, key chain, photo holder and a plant holder. On the last week, each student will choose and create a small project of their choice. The teacher will bring all the tools and supplies. Class fee covers all costs. Come ready to create and have some fun!				
<u>Homework:</u>	none				
<u>Supplies:</u>	none				

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Discovering Texas Native Plants with Apologia Botany

Class #: 3631 **Class Time:** 11:00 - 12:00 **Teacher:** Emily Plummer

Fee(s): **Class Fee**
\$15.00

Description: Come learn about the awe-inspiring world of plants in this 2-semester, 10-week class. Using Charlotte Mason methodology, we will explore things large and small as we observe the world around us in great detail. In addition to using the Apologia textbook, Exploring Creation with Botany, we will use additional, instructor-created resources to apply what we learn to the native plants of Texas. Your student will finish this class with a love for the created world around us and a surprisingly wide knowledge base about our Texas natives. We will focus on wildflowers in the fall semester. Homework is required, and student will be required to bring various plant materials from home almost every week.

Homework: Students will have 45-60 minutes of weekly homework assignments, which will include reading from the text, reviewing provided flashcards or readings, and gathering plant materials to share with the class. Purchase of the Apologia text is additional and required, but the student notebook is not necessary for this class. Non-readers will need significant parent or sibling assistance to enjoy this class.

Supplies: Class resources (teacher-provided), Apologia textbook (parent-provided), pencils with erasers, colored pencils and scissors

Dodgeball 6th-12th Grades

Class #: 61244 **Class Time:** 1:00 - 1:55 **Teacher:** Nikki Drago

Fee(s): **Class Fee**
\$5.00

Description: Let the games begin! We will play traditional dodgeball (trying to hit the players of the opposing team with a ball) and other variations of dodgeball. These are fast-paced games with lots of action; come and be ready to move and have fun! Boys and girls are welcome!

Homework: None

Supplies: Please wear appropriate shoes for running in the gym. You may get thirsty, so bring water!

Drama Basics and Beyond

Class #: 31251 **Class Time:** 2:00 - 3:00 **Teacher:** Amy Glass

Fee(s): **Class Fee**
\$10.00

Description: We will briefly cover the basics of stage drama. We will learn stage direction, improv, blocking, vocal clarity and projection. We will also do some improv drills which will help us develop our imagination, creativity, comedic and dramatic timing. We'll start with theater games each week, then practice for performances. Students will audition for roles. We'll perform the plays we practice during assembly and at family night, including reader's theater. The entire class will help with costumes and sets. Come ready to work hard and have fun!

Homework: Memorizing lines and blocking for their assigned scenes. Put together costume and stage props. May require 1-2 non-class rehearsals.

Supplies: Spiral note book and pen/pencil. Costumes and props as needed.

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Excellence in Writing:Medieval History-Based Writing Lessons

Class #: 61223 **Class Time:** 10:00 - 10:55 **Teacher:** Kathryn Sowell

Fee(s): **Class Fee**
\$5.00

Description: Hear ye! Hear ye! Come practice your writing using IEW's Medieval History-Based Writing Lessons. "As the lessons in this book move through medieval history themes, they incrementally introduce and review the models of structure and elements of style in Institute for Excellence in Writing's Teaching Writing: Structure and Style." This class will be a 2 semester course.** There is no prerequisite for this class but knowledge of basic grammar and IEW procedures would be helpful.**

Homework: 1-1.5 hours per week

Supplies: Medieval History-Based Writing Lessons student book (can be purchased at iew.com), notebook (can be from previous semesters), lined notebook paper, pencils, thesaurus

Fun In A Box

Class #: 3512 **Class Time:** 9:00 - 9:55 **Teacher:** Desi Brown

Fee(s): **Class Fee**
\$10.00

Description: Take a break from traditional academics and play some in and out of the box games with your friends. We'll play strategy games, team building games and some good ole crazy fun games.

Homework: N/A

Supplies: N/A

Fun with Fine Motor Skills

Class #: 4552 **Class Time:** 2:00 - 3:00 **Teacher:** Stacy Rickey

Fee(s): **Class Fee**
\$10.00

Description: We will refine our fine motor skills through games, painting, tracing, drawing, cutting and much much more.Our fingers will learn to work together as we learn new and exciting things each week.

Homework: N/A

Supplies: crayons/colored pencils, scissors, pencil, eraser

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Galloping the Globe

Class #: 1211 **Class Time:** 9:00 - 9:55 **Teacher:** Lisa Panak

Fee(s): **Class Fee**
\$15.00

Description: Find your passport and let's travel the world together. We will travel the world exploring other countries to learn about their flag, culture, money, food, customs, language, religion, missionaries God sent, and much more. This will be a fun hands-on class. Grab your bags and let's go explore!!!

Homework: Journal of three things they learned will be optional but encouraged. Also we will have a traveling "friend" (stuffed animal) that will rotate from child to child each week to take home with them and journal about his adventures that week. More info on the first week of class.

Supplies: colored pencils, scissors, crayons, glue, pencil.

Graphic Design 101

Class #: 61254 **Class Time:** 2:00 - 3:00 **Teacher:** Angel Hargrave

Fee(s): **Class Fee**
\$10.00

Description: Have you heard the term Graphic Design, but don't really know what it is? Do you know what it is but want to know more? Are you interested in a career in graphic design and don't know where to start? Then this class is for you! I will walk you through what graphic design is and how it is used in many different fields for many different purposes. We'll talk about typography, choosing color palettes, color's impact, design layouts, design resources, design careers, design programs and much more. You can make a career out of graphic design by either getting a job in the field or starting and running your own freelance graphic design business. The sky's the limit so come find out about this exciting field with me. A computer will not be needed for class but access to one outside of class will be needed as well as the internet.

Homework: Due to the unreliable internet in the building, we will discuss the concepts on Monday and the students will do the projects at home. I will be available via email for any questions students may have. I will also be recording the classes and will upload them to Google Drive and share them with the students. This is why a Google Drive is needed. The projects will only be a couple hours of work per week if that.

Supplies: -Access to a computer with internet at home.
-A free account at canva.com (graphics program)
-A free email account at Gmail.com
-A free Google Drive account (it comes automatically with your Gmail.com account)

Intro to IEW

Class #: 3552 **Class Time:** 2:00 - 3:00 **Teacher:** Tehila Milenewicz

Fee(s): **Class Fee**
\$5.00

Description: Students will enjoy success in writing through this simple, specific and fun method of writing instruction. Even the most reluctant writers will feel encouraged! The Excellence in Writing method teaches both style and structure. This semester will focus on note making, outlining, and summarizing from notes. The style techniques taught can be applied to creative writing as well as essays. Your student should be familiar with the basic parts of speech, correct sentence structure, punctuation, and capitalization before entering this class. He/she should also be prepared to copy from the board, take some dictated notes from the teacher, and complete weekly homework assignments. The Excellence in Writing Seminar DVDs will be available for checkout by parents of students in this class.

Homework: Students will have 1- 1.5 hrs of homework / wk.

Supplies: 1 in. 3-ring binder, loose leaf lined notebook paper, set of dividers, pencils, thesaurus

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K'Nex Bridge Building

Class #: 3542 **Class Time:** 1:00 - 1:55 **Teacher:** Colleen Epstein

Fee(s): **Class Fee**
\$10.00

Description: Build 13 different bridge models, one at a time. Includes building with real-life photos and key facts. Models demonstrate 7 key bridge types: beam, truss, arch, cantilever, suspension, cable-stayed and movable/bascule. Teaches Design Process, Compression, Tension, Load (Dead and Live), Force, Stress, Cantilever Construction, Suspension Technology, keystones, and abutments and anchorages. Define characteristics and the differences between the bridge types. Investigate how different bridge types hold their loads and evaluate their strength and stability by loading them 'til they break.

Homework: N/A

Supplies: N/A

Kickball 1-2

Class #: 1231 **Class Time:** 11:00 - 12:00 **Teacher:** Marsy Bishop

Fee(s): **Class Fee**
\$5.00

Description: Put your best foot forward! Come join the fun as we learn to work together as a team, encourage each other, positively support our neighbor in the midst of a game, and get the oxygen running throughout our body. Let's have a blast, learning and sharing excellence in sportsmanship, as we have the best time ever running bases and kicking the ball for kickball!

Homework: None

Supplies: Students will need comfortable running shoes and a water bottle for each class.
Bring a cap to wear out in the sun.

Kidzercise

Class #: 4541 **Class Time:** 1:00 - 1:55 **Teacher:** Erin Kerry

Fee(s): **Class Fee**
\$5.00

Description: During this class your child will learn basic body parts and how they function, during our warm up time. Then we will improve their hand-eye coordination, flexibility, strengthen muscles and their cardio system all while playing games! Fun activities will also boost your child's self-confidence. Encouraging, positive life-long habits through exercise is the goal of this class!

Homework: NONE

Supplies: Appropriate gym shoes and clothing

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Kindergarten Kids (First Hour)

Class #: 5101 **Class Time:** 9:00 - 9:55 **Teacher:** Jacqueline Worley

Fee(s): **Class Fee**
\$20.00

Description: Using the literature-based curriculum of Five in a Row, your child will travel the world through classic stories. Through much loved books, children will discover the worlds of science, geography, art, drama, cooking, and mathematics. So join the journey and get ready for the fantastic adventure of learning!

Homework: None

Supplies: Snack and water bottle each week, labeled backpack with basic school supplies, such as scissors, pencils, glue stick, markers, crayons, and a paint smock.

Kindergarten Kids (Second Hour)

Class #: 5202 **Class Time:** 10:00 - 10:55 **Teacher:** Jacqueline Worley

Fee(s):

Description: Using the literature-based curriculum of Five in a Row, your child will travel the world through classic stories. Through much loved books, children will discover the worlds of science, geography, art, drama, cooking, and mathematics. So join the journey and get ready for the fantastic adventure of learning!

Homework: None

Supplies: Each week bring snack, water bottle, labeled backpack with basic school supplies, such as scissors, pencils, glue stick, markers, crayons, and a paint smock.

Kindergarten Kids (Third Hour)

Class #: 5303 **Class Time:** 11:00 - 12:00 **Teacher:** Jacqueline Worley

Fee(s):

Description: Using the literature-based curriculum of Five in a Row, your child will travel the world through classic stories. Through much loved books, children will discover the worlds of science, geography, art, drama, cooking, and mathematics. So join the journey and get ready for the fantastic adventure of learning!

Homework: None

Supplies: Each week bring snack and water bottle, labeled backpack with basic school supplies, such as scissors, pencils, glue stick, markers, crayons, and a paint smock.

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Math U See - Pre Algebra

Class #: 61231 **Class Time:** 11:00 - 12:00 **Teacher:** Alexis Mastel

Fee(s):	Class Fee	Teacher Fee	Building Fee
	\$5.00	\$50.00	\$15.00

Description: Math-U-See Pre Algebra includes the following topics: negative numbers, integers, number lines, exponents, place value, and more. This will be a two semester, 15 week class.

Homework: Students will be required to complete five or six lesson practice sets per week. Parents will check the homework, and students will bring completed and corrected homework to class. Instructor will spot check homework and grade tests. Expect to spend a minimum of 5 hours weekly on homework. There is an honors component, which may be done at home for extra credit, and may be covered in class as time permits.

Supplies: Math-U-See Pre Algebra Instruction Pack, Math-U-See Pre Algebra Student Pack, notebook paper, pencils

Math-U-See Algebra I

Class #: 81221 **Class Time:** 10:00 - 10:55 **Teacher:** Nikki Drago

Fee(s):	Class Fee	Teacher Fee	Building Fee
	\$5.00	\$50.00	\$15.00

Description: Math-U-See Algebra 1 is a 15 week, 2 semester course. This class will cover commutative and associative properties, order of operations, absolute value, distributive property, graphing a line, parallel and perpendicular lines, coin problems, exponents, factoring, unit multipliers, scientific notation, circle, ellipse, parabola, and hyperbola. PreAlgebra is not a prerequisite, but students must have mastered addition, subtraction, multiplication, division, fractions, decimals, percents, plot points on a graph, perform operations with integers and write expressions in algebraic form from a word problem. Placement test is available here: <https://mathusee.com/placement/assessments/algebra-1-placement-assessment/>

Homework: Students will be required to complete five or six lesson practice sets and one test per week. Instructor will grade homework and tests and keep records of grades. Expect to spend a minimum of 5 hours weekly on homework. There is an honors component which may be completed at home, but it will not be covered in class.

Supplies: Math-U-See Algebra I Instruction Pack and Student Kit (The edition currently available on the Math-U-See web site). Students will also need a spiral notebook for taking notes, loose leaf notebook paper, graph paper, calculator*, pencil, pen and binder or folder to hold notes and handouts.

*students need an actual calculator that can do algebraic functions, it does not need to be a graphing calculator, but phones will not be allowed.

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Math-U-See Algebra II

Class #: 91211 **Class Time:** 9:00 - 9:55 **Teacher:** RaeAnn Pierce

<u>Fee(s):</u>	<u>Class Fee</u>	<u>Teacher Fee</u>	<u>Building Fee</u>
	\$5.00	\$50.00	\$15.00

Description: This class will use Algebra II published by Math-U-See, Inc. Topics covered in this course are: exponents, rational expressions, scientific notation, radicals, factoring, solving equations, imaginary and complex numbers, conjugate numbers, quadratic formula, discriminants, unit multipliers, motion problems, graphing, parabola, hyperbolas, chemical mixtures, vectors, and more.
This is a 15 week, 2 semester course. New students may enroll with permission of instructor.

Homework: Students will be required to complete five or six lesson practice sets and the lesson test per week. Parents will check the homework, and students will bring completed and corrected homework to class. Instructor will spot check homework and grade tests. Expect to spend a minimum of 5 hours weekly on homework. There is an honors component, which may be done at home for extra credit, and may be covered in class as time permits.

Supplies: Math-U-See Algebra II Instruction Pack and Student Kit (The edition currently available on the Math-U-See web site). Students will also need notebook paper, graph paper, calculator, pencil, ruler and binder.

Math-U-See Geometry

Class #: 81222 **Class Time:** 10:00 - 10:55 **Teacher:** Jennifer Helm

<u>Fee(s):</u>	<u>Class Fee</u>	<u>Teacher Fee</u>	<u>Building Fee</u>
	\$5.00	\$50.00	\$15.00

Description: Math-U-See Geometry is a 2 semester, 15 week class. We will cover points, lines, rays, line segments, planes, sets, angles, parallel and perpendicular lines, transversals, perimeter, area, circles, spheres, ellipse, volume, surface area, Pythagorean Theorem, 45-45-90 and 30-60-90 triangles, axioms, postulates, theorems, proofs, transformational geometry, and trigonometric functions.

Homework: Students will be required to complete five or six lesson practice sets and one test per week. Parents will grade the homework. Instructor will spot check homework and grade tests. Expect to spend a minimum of 5 hours weekly on homework. There is an honors component that will be covered in class as time permits and required work for 9th-12th grade students.

Supplies: Math-U-See Geometry Instruction Pack and Student Kit (The edition currently available on the Math-U-See web site). Students will also need notebook paper, pencil, calculator, binder, ruler, compass, and protractor.

My Body

Class #: 1242 **Class Time:** 1:00 - 1:55 **Teacher:** Marsy Bishop

<u>Fee(s):</u>	<u>Class Fee</u>
	\$5.00

Description: We will learn just how awesome and complex our bodies are! Using full size paper figures students will trace themselves and color, cut, and paste organs (each with easy to understand explanations). They will learn the function and the place of the heart, skeleton, muscles, brain, liver, kidneys, pancreas and more!

Homework: N/A

Supplies: scissors glue stick markers

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Nerdy Nummies Baking

Class #: 61234 **Class Time:** 11:00 - 12:00 **Teacher:** Maria Nevils

Fee(s): **Class Fee**
\$20.00

Description: We will be baking and decorating nerdy nummy delicious desserts following recipes from The Nerdy Nummies Cookbook by Rosanna Pansino, author and you tube extraordinaire. Our first Monday, we will bake and freeze items to decorate the following week. We will also practice cake decorating techniques on parchment paper and on our first cookies, emoji-con cookies. :)

Homework: Our last week we will have homework for family night. Everyone in class will bake cupcakes representing portions of the Periodic Table of elements for family night. Baking and cake decorating practice at home is encouraged but not required.

Supplies: Students are required to supply their own cake decorating tips and decorating bags. The following tips will be used in class: #1, 2, 3, 4B, 5, 22, 807, 829. Instructor will provide at least one set.

Nursery Rhyme Math

Class #: 4542 **Class Time:** 1:00 - 1:55 **Teacher:** Rachel Cross

Fee(s): **Class Fee**
\$10.00

Description: Learn classic nursery rhymes while building math skills. Each week we will learn a new nursery rhyme and have corresponding activities to help develop basic math skills.

Homework: none

Supplies: Basic school supplies

Preschool 3rd Hour

Class #: 3303 **Class Time:** 11:00 - 12:00 **Teacher:** Heidi Mealy

Fee(s):

Description: Through lots of playing and fun our preschool class will:

- help children expand their knowledge and increase their vocabulary
- focus on scientific thinking skills as well as information about the everyday environment, the world, and how things work
- engage in music, art, and Spanish
- learn persistence when working at tasks, direction following, and good listening skills
- focus on language and literacy skills, as well as interactive book reading
- learn beginning skills involving the alphabet, numbers, and spatial awareness

Preschoolers will have a nap/rest period right after lunch.

Homework: N/A

Supplies: Nap stuff and sippie cup.

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Preschool 1st hour

Class #: 3101 **Class Time:** 9:00 - 9:55 **Teacher:** Heidi Mealy

Fee(s):

Description: Through lots of playing and fun our preschool class will:

- help children expand their knowledge and increase their vocabulary
- focus on scientific thinking skills as well as information about the everyday environment, the world, and how things work
- engage in music, art, and Spanish
- learn persistence when working at tasks, direction following, and good listening skills
- focus on language and literacy skills, as well as interactive book reading
- learn beginning skills involving the alphabet, numbers, and spatial awareness

Preschoolers will have a nap/rest period right after lunch.

Homework: N/A

Supplies: Please bring a blanket, mat, and favorite stuffed animal for naptime. Please include a paint shirt/smock in your child's backpack.

Preschool 2nd Hour

Class #: 3202 **Class Time:** 10:00 - 10:55 **Teacher:** Heidi Mealy

Fee(s): **Class Fee**
\$20.00

Description: Through lots of playing and fun our preschool class will:

- help children expand their knowledge and increase their vocabulary
- focus on scientific thinking skills as well as information about the everyday environment, the world, and how things work
- engage in music, art, and Spanish
- learn persistence when working at tasks, direction following, and good listening skills
- focus on language and literacy skills, as well as interactive book reading
- learn beginning skills involving the alphabet, numbers, and spatial awareness

Preschoolers will have a nap/rest period right after lunch.

Homework: N/A

Supplies: Nap items and a sippie cup.

Preschool 4th hour

Class #: 3404 **Class Time:** 1:00 - 1:55 **Teacher:** Heidi Mealy

Fee(s):

Description: Through lots of playing and fun our preschool class will:

- help children expand their knowledge and increase their vocabulary
- focus on scientific thinking skills as well as information about the everyday environment, the world, and how things work
- engage in music, art, and Spanish
- learn persistence when working at tasks, direction following, and good listening skills
- focus on language and literacy skills, as well as interactive book reading
- learn beginning skills involving the alphabet, numbers, and spatial awareness

Preschoolers will have a nap/rest period right after lunch.

Homework: N/A

Supplies: Nap stuff and sippie cup.

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Preschool 5th hour

Class #: 3505 **Class Time:** 2:00 - 3:00 **Teacher:** Heidi Mealy

Fee(s):

Description: Through lots of playing and fun our preschool class will:

- help children expand their knowledge and increase their vocabulary
- focus on scientific thinking skills as well as information about the everyday environment, the world, and how things work
- engage in music, art, and Spanish
- learn persistence when working at tasks, direction following, and good listening skills
- focus on language and literacy skills, as well as interactive book reading
- learn beginning skills involving the alphabet, numbers, and spatial awareness

Preschoolers will have a nap/rest period right after lunch.

Homework: N/A

Supplies: Please bring a blanket, mat, and favorite stuffed animal for nap time. Please include a paint shirt/smock in your child's backpack.

Rocks and Minerals

Class #: 1212 **Class Time:** 9:00 - 9:55 **Teacher:** Rachel Cross

Fee(s): **Class Fee**
\$10.00

Description: Experiment and participate in many hands-on activities as we explore the world of rocks and minerals. We will cover what a rock is versus a mineral, the rock cycle, types of rocks, and how rocks are used in our daily lives. The children will bring home an occasional experiment to try at home in an effort to reinforce material covered.

Homework: The children will bring home an occasional experiment to try at home in an effort to reinforce material covered.

Supplies: colored pencils, glue, scissors, pen, pencil.
NOTE: The students will be receiving a rock collection. So, they will not need to bring in their own rocks. However, we will have a show and tell the last class for them to share their rocks.

School Yard Games

Class #: 3553 **Class Time:** 2:00 - 3:00 **Teacher:** Jennifer Helm

Fee(s): **Class Fee**
\$5.00

Description: Come join us for a variety of fun outdoor games and team sports. We will play sports such as soccer, softball, and kickball, along with classic games like capture the flag, dodgeball and sharks and minnows. We will also have a field day with relay races.

Homework: None

Supplies: Tennis shoes and appropriate clothing, water bottle

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Shark Tank

Class #: 61243 **Class Time:** 1:00 - 1:55 **Teacher:** Natisha Narcisse

Fee(s): **Class Fee**
\$10.00

Description: Do you have what it takes to survive the Shark Tank? In this class, based on the TV show of the same name, students will be split into groups and given a new and exciting product that they will need to “pitch” to the Shark investors in order to obtain funding for their fledgling company. Throughout the semester students will learn the basics of business, marketing, and presentation. A fun-filled learning experience for budding entrepreneurs!

Homework: You may need to finish some things at home, but most work will be done in class.

Supplies: Pencil and paper

Spanish for Fun or Credit

Class #: 61233 **Class Time:** 11:00 - 12:00 **Teacher:** Colleen Epstein

Fee(s): **Class Fee**
\$10.00

Description: This is the ultimate hybrid Spanish class! We will use a grammatical approach to instruction, with a fun conversational and kinetic approach to practice. Students may take the class at an introductory level with a minimum of homework (0-3 hrs per week), or earn credit with an intense homework load (3-6 hrs per week). Parents choose the mastery level, and all testing is done at home (but graded by the teacher). We will covers articles, adjectives, nouns, personal pronouns, present tense verb conjugations, possessive and descriptive adjectives, idiomatic expressions and other grammar concepts, as well as a considerable amount of vocabulary. Correct phonetic pronunciation, syllable stress, oral skills and listening comprehension will be emphasized. Games, skits, and fun projects will reinforce the lessons.
This is a 20 week class (2 semesters), taught by a Texas Certified teacher with a BA in Spanish Language and Literature. This is the last chance to take this particular Spanish class at Path, because my daughter is graduating in 2019.

Homework: Students may take the class at an introductory level with a minimum of homework (0-3 hrs per week), or earn credit with an intense homework load (3-6 hrs per week). Parents choose the mastery level, and all testing is done at home (but graded by the teacher). All students need access to a computer for the free auditory comprehension program “Mango”, which is available online through the library. Students may also enjoy the free app “duolingo”.

Supplies: One pack of 3 x 5 note cards, paper, pencil, notes, handouts, and textbook should be brought to class each week. Parents will turn in a refundable deposit check for \$30 in order to use teacher’s out of print textbook. The check will be returned when the book is returned in original condition at the end of the school year.

Spanish Fun and Games

Class #: 1252 **Class Time:** 2:00 - 3:00 **Teacher:** Chantel Cave

Fee(s): **Class Fee**
\$5.00

Description: In this introductory Spanish class, students will learn a Bible verse and songs in Spanish. They will learn new vocabulary and review through a variety of games, crafts and music. It is for both new and returning Spanish students.

Homework: optional: vocabulary learning and finishing in class projects

Supplies: pencils,crayons, scissors, glue stick, paper, folder or notebook

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Speech & Debate

Class #: 61213 **Class Time:** 9:00 - 9:55 **Teacher:** Darla Page

Fee(s): **Class Fee**
\$10.00

Description: This is a 10 week, two semester course that will introduce students to informal speech and debate. The first semester will cover the fundamentals of speech, including content, body language, breathing and how to engage an audience. The students will be required to write and deliver three speeches in class (ranging from 3 to 7 min) and deliver an oral recitation. This is a great class to help students become more confident public speakers while learning in an informal setting. The second semester will cover the fundamentals of informal debate.

Homework: Students will be assigned weekly homework, which will include writing and preparing speeches and preparing for an oral recitation. Students should expect to spend approximately 3-4 hours a week on homework.

Supplies: Pen or Pencil. All other supplies will be covered by the class fee.

Storybook Art (PreK & K)

Class #: 4551 **Class Time:** 2:00 - 3:00 **Teacher:** Ashleigh Lankford

Fee(s): **Class Fee**
\$10.00

Description: Each week we will read a beautifully illustrated or award-winning book and then complete a fun art project to imitate the style of the illustrator.

Homework: N/A

Supplies: pencils, colored pencil set or crayons, markers, scissors, large eraser, glue, paint shirt

Texas History

Class #: 3611 **Class Time:** 9:00 - 9:55 **Teacher:** Nancy Buercklin

Fee(s): **Class Fee**
\$15.00

Description: Come and join us as we delve into Texas History! We will use Our Land Publications curriculum for Texas history, a series of newspapers. Each week we will read articles related to a specific time period. Along the way we will discuss Texas geography, Native Americans, explorers, missions, and frontier settlements.
(This is a 2 semester class; in the spring we will study the Alamo, becoming a state, the Civil War, discovering oil, and modern times.) We will learn new material through reading, discussion, maps, and an occasional project. Come learn more about our great state.

Homework: Each week students will read an issue or two of their newspapers (4 to 8 normal 8 1/2 x 11 pages) and answer any questions included in their reading. They will also complete 3 short questions each day (Tuesday-Friday) from Texas Dailies; these should take about 5 minutes a day. It will probably be about 40-60 minutes of homework each week.

Supplies: Students will need basic supplies, such as sharpened pencils with erasers, colored pencils, scissors & glue or glue sticks. They will also need to bring the folder provided on the first day back to class each week.

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Thinking Games

Class #: 61224 **Class Time:** 10:00 - 10:55 **Teacher:** Desi Brown

Fee(s): **Class Fee**
\$10.00

Description: Take a break from academics and have some fun playing individual and group games. Student participation in games is mandatory, and failure to participate might result in consequences such as creating your own interpretive dance and performing during lunch. Be ready to get engaged and have some fun!

Homework: none

Supplies: May ask students to bring a game from home if they already have it.

Top Secret Adventures

Class #: 3543 **Class Time:** 1:00 - 1:55 **Teacher:** Chantel Cave

Fee(s): **Class Fee**
\$5.00

Description: Become a secret agent and travel the globe to solve the mysteries of "who done it?", what they did and where they did it. You will be given a mystery and to solve it, you will travel to another country, use the guide book and villain cards, solve puzzles, unravel clues and unscramble codes. You will update your passport on each adventure and learn about each country's location on the world map. You will also learn interesting facts about the economy, climate, trade, religion, and customs from all of the countries you visit.

Homework: none

Supplies: None needed

Walkers and Runners 1st hour

Class #: 1101 **Class Time:** 9:00 - 9:55 **Teacher:** Allyson Chheng

Fee(s):

Description: This class is provided for children who are one or two as of September 1, 2018. This class has many activities to keep the toddlers busy throughout the morning. The teacher of this class supervises the care of the children as well as teaching through songs, books and crafts. The preferred nap time is during the fourth and fifth hours. The class fee provides for disinfectants, tissues, diaper disposal bags, a weekly craft and snacks.

Homework: N/A

Supplies: Labeled sippee cup/bottles, pacifiers with clip, diapers, change of clothes, blanket and napping items (includes sleeping bag and or nap mat with sheet and pillow).

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Walkers and Runners 2nd hour

<u>Class #:</u>	1102	<u>Class Time:</u>	10:00 - 10:55	<u>Teacher:</u>	Allyson Chheng
<u>Fee(s):</u>	<u>Class Fee</u> \$10.00				
<u>Description:</u>	This class is provided for children that were one or two as of September 1, 2018. This class has many activities to keep the toddlers busy throughout the morning. The teacher of this class supervises the care of the children as well as teaching through songs, books and crafts. The preferred nap time is during the fourth and fifth hours. The class fee provides for disinfectants, tissues, diaper disposal bags, a weekly craft and snacks.				
<u>Homework:</u>	N/A				
<u>Supplies:</u>	Labeled sippee cup/bottles, pacifiers with clip, diapers, change of clothes, blanket and napping items (includes sleeping bag and or nap mat with sheet and pillow).				

Walkers and Runners 3rd hour

<u>Class #:</u>	1103	<u>Class Time:</u>	11:00 - 12:00	<u>Teacher:</u>	Allyson Chheng
<u>Fee(s):</u>					
<u>Description:</u>	This class is provided for children that were one or two as of September 1, 2018. This class has many activities to keep the toddlers busy throughout the morning. The teacher of this class supervises the care of the children as well as teaching through songs, books and crafts. The preferred nap time is during the fourth and fifth hours. The class fee provides for disinfectants, tissues, diaper disposal bags, a weekly craft and snacks.				
<u>Homework:</u>	N/A				
<u>Supplies:</u>	Labeled sippee cup/bottles, pacifiers with clip, diapers, change of clothes, blanket and napping items (includes sleeping bag and or nap mat with sheet and pillow).				

Walkers and Runners 4th hour

<u>Class #:</u>	1104	<u>Class Time:</u>	1:00 - 1:55	<u>Teacher:</u>	Allyson Chheng
<u>Fee(s):</u>					
<u>Description:</u>	This class is provided for children that are one or two as of September 1, 2018. This class has many activities to keep the toddlers busy throughout the morning. The teacher of this class supervises the care of the children as well as teaching through songs, books and crafts. The preferred nap time is during the fourth and fifth hours. The class fee provides for disinfectants, tissues, diaper disposal bags, a weekly craft and snacks.				
<u>Homework:</u>	N/A				
<u>Supplies:</u>	Labeled sippee cup/bottles, pacifiers with clip, diapers, change of clothes, blanket and napping items (includes sleeping bag and or nap mat with sheet and pillow).				

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Walkers and Runners 5th hour

Class #: 1105 **Class Time:** 2:00 - 3:00 **Teacher:** Allyson Chheng

Fee(s):

Description: This class is provided for children that were one or two as of September 1, 2018. This class has many activities to keep the toddlers busy throughout the morning. The teacher of this class supervises the care of the children as well as teaching through songs, books and crafts. The preferred nap time is during the fourth and fifth hours. The class fee provides for disinfectants, tissues, diaper disposal bags, a weekly craft and snacks.

Homework: N/A

Supplies: Labeled sippee cup/bottles, pacifiers with clip, diapers, change of clothes, blanket and napping items (includes sleeping bag and or nap mat with sheet and pillow).

Wood Whittling

Class #: 61255 **Class Time:** 2:00 - 3:00 **Teacher:** Brian Ballard

Fee(s): **Class Fee**
\$15.00

Description: Woodworking is a great way to apply creativity and hand dexterity while experiencing peaceful distraction from the everyday. This class will introduce woodworking through whittling (and maybe another skill or two), coupled with knife familiarity and safety. Class fee includes in-class materials, a basic whittling knife, and eye protection.

Homework: N/A

Supplies: N/A

World Geography- Fall 2018

Class #: 61212 **Class Time:** 9:00 - 9:55 **Teacher:** Tehila Milenewicz

Fee(s): **Class Fee**
\$5.00

Description: This is a 10 week/ 2 semester class. My goal is to inspire students to develop a love for geography. We will explore the current geographical regions and sub-regions of the world. Students will use and create maps to locate countries, capitals, bodies of water, landforms, and learn basic geographical terms. Emphasis will be placed on memorizing the names and locations of countries and capitals. To achieve this, students will sketch, draw, and label maps in class and will be expected to replicate such maps at home as part of homework. If your student does not enjoy sketching or drawing, this class will not be a good fit.

Homework: Weekly homework will be assigned. Expect student to spend 1-2 hrs per week on homework.

Supplies: 1 Ream of copy paper
1 Three ringed binder
Student world Atlas
Crayola Twistables colored crayons or your student's favorite colored pencils
Basic writing supplies
Sheet protectors to showcase final map work
Flashcards

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World History

Class #: 91232 **Class Time:** 11:00 - 12:00 **Teacher:** Darla Page

<u>Fee(s):</u>	<u>Class Fee</u>	<u>Teacher Fee</u>	<u>Building Fee</u>
	\$5.00	\$50.00	\$15.00

Description: Using the textbook series, Exploring World History, authored by Ray Notgrass, students will survey the history of the world, from Creation through the 21st Century. Exploring World History uses the perspective of God's Word as its foundation for the study of ancient, medieval, and modern world history, focusing upon the development of Western Civilization, and including significant coverage of Africa, Asia and Latin America. This one hour, thirty week class will include lectures, critical thinking activities and questions, essays, analysis of speeches, poems, and three to four works of world literature. Please be aware that the literature and composition component of this class is intended to earn each student a high school English credit, in addition to the World History credit earned. *Please note that we will not have enough class time to devote to instruction on how to write a 3 to 5 paragraph essay. For this class, students need to already be familiar with the format of an essay or have a parent available to help guide them at home.

Homework: Students should plan on roughly 2 hours per day, four days a week to complete textbook, source document book and/or literature readings, answering assigned questions, and completing writing assignments.

Supplies: Students will need the newest editions of the three books included in the Notgrass Exploring World History curriculum in order to complete their studies. The cost of the three-book set (two textbooks and one source document book) is \$110 plus tax and shipping. You can view this three book set here:
<https://history.notgrass.com/exploring-world-history-curriculum-package/>

Students will also need a copy of the Student Review book.(non-consummable) This book contains questions over history lessons and the works of literature selected by the Notgrass Company to complement Exploring World History, as well as Bible commentary on suggested Scripture readings. The cost of this book is \$9. You can view the review book here:
<https://history.notgrass.com/exploring-world-history-student-review/>

Students will need to purchase or borrow the 3-4 literature books assigned. This list will be sent out before our semester begins.

Lastly, students will need these basic supplies: a three-ring notebook or folder (for carrying assignments), notebook paper, pens or pencils for writing.

**Class fees will be used to photocopy quizzes and unit tests.
