

Class Descriptions

2019-2020 Academic Year

LAF Co-op classes, PreK-12th, will be held at Grace Fellowship Church in Shrewsbury on Thursdays from 9:00 a.m.-3:20 p.m.

Fall Session (10 weeks): Sept 19 to Nov 21 (Make-up: Dec 5)

Winter Session (10 weeks): Jan 2 to Mar 5 (Make-up: Mar 12 and Mar 19)

Spring Session (8 weeks): Mar 26 to May 14 (Make-up: May 21)

There is an annual **enrollment fee of \$35 for the first student in a family and another \$15 for each additional student**. The fee will cover the cost of website maintenance, liability insurance and other administrative expenses. **The enrollment fee is due by Thursday, May 14, 2019 in cash or money order and is non-refundable** even if you decide to withdraw students from classes.

The **cleaning fee for 2019-2020 will be \$50** to be paid in full by September 19th.

PA Homeschool Law requirements (and helpful LAF classes) for 9th -12th grades:

4 years/credits* of English (WriteShop I, WriteShop II, Literature with Movies, Great Books, Speech)

3 years/credits* of mathematics (Math Support)

3 years/credits* of science (Biology, Chemistry, Environmental Science)

3 years/credits* of social studies (Stanford's Geography, Economics, Current Events, Civics, American History, Contemporary History, Biblical Overview, What Can We Learn from Walt Disney?, Pennsylvanian History)

2 years/credits* of arts and humanities (Spanish I, Drawing & Painting, Handicrafts, Vocal Ensemble, Broadway Review, Dance, Improvisational Theater)

*NOTE: It is up to parents to know what constitutes a credit.

Please see below for our list of class descriptions.

High School (9th-12th Grade)

NOTE: Classes are year-long (must take all 3 sessions) unless otherwise noted.

9:00-9:50 am - 1st Period

Composition - Write Shop II (8th- 12th Grades)

WriteShop II offers more challenging assignments such as descriptive narration, point of view, narrative voice, persuasion, and essays (including timed essays). With each lesson, they'll learn new skills, apply them to their current writing project, and edit and revise the composition several times. By the end of the lesson—after brainstorming, writing, editing, and revising—they'll have a polished paper to be proud of! This class is geared toward **8-12** grade students. It focuses on more advanced writing concepts.

Required textbook: *WriteShop 2 Student Workbook* ISBN: 9781935027348

Instructor: Julie Coggins

Enrollment: Minimum 10 students and Maximum 20 students

Class Time: 9:00-9:50am (1st period)

Materials fee: \$10 for the year

Cost: \$7 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Computer – App Development (8th- 12th Grades):

Have you ever thought, there should be an app for that? Have you had some experience with programming and curious what it would take to create an app for a mobile device from scratch? In this course, you'll learn how to create an Android project with Android Studio and run the app. You'll also learn some App architecture and the key principles underlying its design. You will gain an understanding of App development tools and user interface. By the end of the course, you'll build a simple app that you can share with your friends. (*Note that this course could be Apple App development but only if all students have Apple devices.)

Instructor: Holly Tymes

Enrollment: Minimum 5 students and Maximum 15 students

Class Time: 9:00-9:50am (1st period)

Cost: \$8.50 per student, per class

(\$85 for a 10 week session and \$68 for an 8 week session)

Music - Vocal Ensemble (7th- 12th Grades)

For students who enjoy singing! This vocal ensemble would sing pieces in parts. Some would be acapella and some with backgrounds. Some experience reading music and singing in parts would be helpful, but not required.

Instructor: Pauline Williams
Enrollment: Minimum 10 students and Maximum 30 students
Class Time: 9:00-9:50am (1st period)
Materials fee: \$20 per session
Cost: \$6.50 per student, per class
(\$65 for a 10 week session and \$52 for an 8 week session)

Physical Education – Intro to Exercise Science (7th- 12th Grades):

I believe exercise is a celebration of what our bodies can do! We are fearfully and wonderfully made. Students will discover and apply the amazing abilities, functions and potential of their bodies. The class will be divided into two parts. The first 25 minutes we will cover physiological systems of the human body: the cardiovascular, respiratory, digestive, skeletal, neuromuscular and an endocrine systems. We will cover nutrition and several methods of training. The second 25 minutes of class we will practically apply what we're learning! Students will actually get to work out! I will train and challenge them. Students will chart and see their bodies get stronger. Weekly workout assignments and nutrition goals will be given. Comfortable clothing and sneakers will be required

Instructor: Erika McKee
Enrollment: Minimum 10 students and Maximum 15 students
Class Time: 9:00-9:50am (1st period)
Cost: \$7 per student, per class
(\$70 for a 10 week session and \$56 for an 8 week session)

Science – Environmental Science (7th- 12th Grades):

Stewardship /n/ : the job of supervising or taking care of something. We are in a position of stewardship for the Earth. In order to perform our task well, we must be informed. Focus on the earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change will allow us some insight into this planet we live on. This course is appropriate for middle school students and will focus specifically on things we as individuals can do to take better care of our world.

Class will use Annenberg Media's *The Habitable Planet* as a text
<https://www.learner.org/courses/envsci/>

Instructor: Brianne Good
Enrollment: Minimum 8 students and Maximum 20 students
Class Time: 9:00-9:50 am (1st period)
Materials Fee: \$20 for the year
Cost: \$7 per student, per class
(\$70 for a 10 week session and \$56 for an 8 week session)

Spanish I (7th- 12th Grades):

According to the Penn State University website, Spanish is the second most widely spoken language in

the world. With its origins in the Castille region of Northern Spain, it became a standardized language in the 13th century by King Alfonso of Spain. Currently, the Royal Spanish Academy (Real Academia Española), started in the 18th century, is the authoritative overseer of standard Spanish. Dictionaries and grammar produced by the academy are the standard that is currently used in Spain and Latin America. Being that it's a living language, variations in accent and dialect will vary in many Spanish speaking nations. However, the academic language remains the same, with minor differences in word choice.

This Spanish class will be based of Bob Jones University (BJU) Spanish I course. A quality biblically based curriculum with three levels that provide a solid foundation for higher learning. In this class, students will be learning to have a conversation focused on fluency and comprehension. We will be doing fun activities, such acting out dialogue in Spanish. Reading books and playing games that focus on reinforcing lessons learned from the book. Students will have access to DVDs to assist with homework.

Required textbook: BJU Spanish I set (includes Spanish activities manual, student textbook, and DVD's)

Instructor: Jacqueline Orner

Enrollment: Minimum 8 students and Maximum 20 students

Class Time: 9:00-9:50 am (1st period)

Materials Fee: \$20 for the year

Cost: \$7per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

10:00-10:50 am - 2nd Period

Art – Drawing and Painting (6th-12th Grades):

The drawing and painting art class is designed to meet the needs of students 6th to 12th grade. Materials, art concepts and techniques are carefully selected according to the age and ability of the student. Students work in a variety of mediums including charcoal, pastel, graphite, watercolor, and acrylics. Students are taught the use of proper shape and proportion along with compositional skills. Each student is encouraged to explore the use of color, style and individual expression. Students will advance and learn how to compose and begin a painting whether it be with watercolors or acrylics, mix colors, and discover the creative and technical versatility of painting. The program encourages individual expression while teaching new skills, ideas and techniques.

Instructor: Molly Adler

Enrollment: Minimum 8 students and Maximum 20 students

Class Time: 10:00 -10:50am (2nd period)

Materials Fee: \$30 for the year

Cost: \$7 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Geography – Stanford's Geography (7th - 12th Grades):

Participate in map hunts, learn what it takes to be a cartographer, and gain insight into the interaction of climate, landform, and natural vegetation. As we travel through Africa, Asia, Europe, Latin America, and Russia this class will focus on two major themes. First the units act as an introduction to, or review of, fundamental geographical concepts and vocabulary. Second, they teach students about the basic physical and political geography of each region. I earned my BA in Geography with an emphasis in methods from SDSU and am a published author in Children's Geographies, an educational journal. I have a passion for studying and discussing how the world around us shapes us as individuals and societies.

Instructor: Randi Marchant

Enrollment: Minimum 6 students and Maximum 20 students

Class Time: 10:00-10:50am (2nd period)

Materials Fee: \$5 for the year

Cost: \$7 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Science - Biology (8th-12th Grades):

Students will explore life using Apologia's Exploring Creation with Biology (2nd ed). During this course students will study the sixteen modules in the book covering cells (structure and function), unicellular organisms, genetics, insects, plants, reptiles, mammals, and more. Students will participate in hands-on labs. There will be dissections (earthworm, grasshopper, crayfish, perch and frog) and labs with living organisms. Students will learn proper use of the microscope and slide preparation while having the opportunity to view live protozoa. Along with class discussions and labs the students will also participate in lab practicums and presentations. Student's will also receive links and videos that they can utilize during their home study to help solidify their understanding of the material being taught during class.

NOTE: This class spans across two periods. Students must take both the lecture and the lab, they are not separate entities. Please be sure you allot two class periods when planning your day to include this course.

Required text: *Apologia's Exploring Creation With Biology* (2nd Edition)

Instructor: Erin Dickson

Enrollment: Minimum 10 students and Maximum 18 students

Class Time: 10:00-11:50am (2nd and 3rd period)

Materials Fee: \$50 for the year

Cost: \$11 per student, per class (note that this covers 2 class periods)

(\$110 for a 10 week session and \$88 for an 8 week session)

Required supplies: 1/2" binder with 16 dividers and notebook paper, goggles, a pack of 10 pairs of dissecting gloves (any non-latex plastic glove sized to fit your student's hands), colored pencils, ruler, and calculator.

Science – Chemistry (9th-12th Grades)

Discovering Design with Chemistry is a high school chemistry course designed for students who have completed Algebra I. This college-preparatory course covers fundamental aspects of chemistry such as the classification of matter, atomic structure, spectroscopy, chemical bonding, molecular geometry, physical change, chemical change, stoichiometry, solutions, ideal gases, acid/base chemistry, reduction/oxidation reactions, thermochemistry, thermodynamics, kinetics, and chemical equilibrium. Weaving together concepts and their mathematical applications, the course teaches students how to think as a chemist so they can analyze the major changes that occur in matter. The course contains 46 separate experiments that illustrate various concepts being explored. Many are quantitative in nature, including measuring the wavelength of microwaves, determining the number of water molecules in a hydrated compound, calculating percent yield, measuring the concentration of a hydrogen peroxide solution, determining the concentration of acetic acid in vinegar, measuring the specific heat of a metal, and determining the change in enthalpy for a chemical reaction. Others are qualitative, such as performing flame tests, examining the interference of light waves, comparing metals to nonmetals, exploring Boyle's Law, doing litmus tests, and electroplating.

NOTE: This class spans across two periods. Students must take both the lecture and the lab, they are not separate entities. Please be sure you allot two class periods when planning your day to include this course.

Required textbook: *Discovering Design with Chemistry* ISBN: 978-0-9962784-6-1

Instructor: Brianne Good

Enrollment: Minimum 8 students and Maximum 20 students

Class Time: 10:00-11:50 am (2nd and 3rd period)

Materials Fee: \$20 per session

Cost: \$12 per student, per class

(\$120 for a 10 week session and \$96 for an week session)

11:00-11:50 am - 3rd Period

Art - Handicrafts (6th - 12th Grades):

God gave us hands so that we could CREATE, just like Him. In this class we focus on skills through various projects. Not only are the projects meaningful and fun, but they help develop fine motor skills which stimulate and increase control of cognition. This leads to better performance in math, reading, and other subjects. All supplies are provided and each week I will also have optional kits available to further practice the skill at home. You can view my website at www.handmeacraft.com for examples of the types of handicrafts we'll explore, including: Needle Felting, Sewing, Bead Work, Calligraphy, Tatting, Weaving, Batik & more!

Instructor: Randi Marchant

Enrollment: Minimum 6 students and Maximum 15 students

Class Time: 11:00-11:50 am (3rd period)

Materials Fee: \$25 for the year

Cost: \$8 per student, per class
(\$80 for a 10 week session and \$64 for an 8 week session)

Composition - Write Shop I (6th - 10th Grades)

In WriteShop 1, assignments give students a chance to practice various kinds of writing, including creative, expository, narrative, and persuasive. With each lesson, they'll learn new skills, apply them to their current writing project, and edit and revise the composition several times. By the end of the lesson—after brainstorming, writing, editing, and revising—they'll have a polished paper to be proud of! This class is geared toward **6-10** grade students, and offers them a strong foundation in basic writing skills.

Required textbook: *Writeshop 1 Student Workbook* ISBN: 9781935027331

Instructor: Julie Coggins

Enrollment: Minimum 10 students and Maximum 20 students

Class Time: 11:00-11:50am (3rd period)

Materials fee: \$10 for the year

Cost: \$7 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Dance (5th- 9th Grades):

If you have a child who loves to dance or would even just like to give dance a try then this class with our amazing Ms. Warkenda is the class for them. Her heart-felt philosophy is that everyone is a dancer, it is just that some people haven't realized it yet. The students will work within the art of several different dance music and movement to build strength, confidence, and a love of dance. An introduction into various dance history and vocabulary is also presented in each session. Students should come prepared to dance and have a water bottle with them. An end of the unit presentation will be presented by the students at the end of each session to show what they have learned.

NOTE: THIS IS A SESSION-BY-SESSION CLASS (can be taken for 1, 2 or 3 sessions). It is still to be determined which dance form (jazz, modern, ballet, lyrical, etc) will be offered each session.

Instructor: Warkenda Williams-Casey

Enrollment: Minimum students and Maximum students

Class Time: 11:00-11:50am (3rd period)

Cost: \$7per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Music/Drama – Broadway Review (6th - 12th Grades):

This class will allow students to explore singing and acting scenes from several Broadway musicals. No experience is necessary and the scenes and songs will be chosen based on the abilities of those taking the class. Weekly assignments will also be given that allow the students to learn more about various shows and their composers. Performance opportunities will be made available as well.

Instructor: Pauline Williams

Enrollment: Minimum 8 students and Maximum 25 students
Class Time: 10:00-10:50am (2^d period)
Materials Fee: \$10 for the year
Cost: \$6 per student, per class
(\$60 for a 10 week session and \$48 for an 8 week session)

12:30-1:20 pm - 4th Period

Art – Drawing and Painting (6th-12th Grades):

The drawing and painting art class is designed to meet the needs of students 6th to 12th grade. Materials, art concepts and techniques are carefully selected according to the age and ability of the student. Students work in a variety of mediums including charcoal, pastel, graphite, watercolor, and acrylics. Students are taught the use of proper shape and proportion along with compositional skills. Each student is encouraged to explore the use of color, style and individual expression. Students will advance and learn how to compose and begin a painting whether it be with watercolors or acrylics, mix colors, and discover the creative and technical versatility of painting. The program encourages individual expression while teaching new skills, ideas and techniques.

Instructor: Molly Adler
Enrollment: Minimum 8 students and Maximum 20 students
Class Time: 12:30 -1:20pm (4th period)
Materials Fee: \$30 for the year
Cost: \$7 per student, per class
(\$70 for a 10 week session and \$56 for an 8 week session)

Computer Skills (3rd - 12th Grades)

Keyboarding & Basic Skills (Fall Session) - This one session class will meet each student at their skill level. Students will spend half of every class period practicing proper Keyboarding skills. The second half of class would include time learning about using the Internet for research, how to download and insert images into documents, basic word processing skills. We will do an introduction to programming using an online tool called Scratch and learn how to integrate technology into your core class curriculum.

Website Design (Winter Session) - In this one session class students in grades 3-12 are invited to learn how to make their own webpage in a fun, safe, interactive way! Each student will be met at their skill level. We will start by learning some of the behind the scenes of web design and even learn how to do a little html coding. Students will learn about graphics and layouts and the importance of color on your web page. Through taking careful privacy measures, we will learn blog writing and how to properly interact online. By the end of class, each student will have their own website for whatever they choose.

Microsoft Office Skills (Spring Session) - This one session class will meet each student at their skill level. Does your child know how to create a book report, a graph or a newsletter, and a slide show on the computer? If not, this class would be a great way to prepare them for many projects they may have in High School and beyond. This class will go in-depth with how to use all the tools in Microsoft Word, Excel and Power Point. Middle and high-school students will learn how to adjust page layouts, margins, font size and spacing as we learn how to create a works cited page in MLA format. For younger students, we will practice by creating a fun newsletter for our co-op and explore using columns, text boxes and images. Class projects will be geared towards your child's age as they become tech-savvy individuals!

NOTE: Students are required to bring a computer to class.

Instructor: Holly Tymes

Enrollment: Minimum 5 students and Maximum 15 students

Class Time: 12:30-1:20pm (4th period)

Cost: \$7.50 per student, per class

(\$75 for a 10 week session and \$60 for an 8 week session)

Drama – Improvisational Theater (9th- 12th Grades):

This is a year-long course developing improvisational theatre ensemble skills - the performance art of theater made up completely on the spot! Students will form an improvisational "troupe" which will have at least one - if not more - opportunities to perform throughout the year. Students will learn the basics of improv such as staying in the moment, character work, scene work, improvisational games and, most importantly, teamwork. No prior experience is necessary, but Mary will teach advanced concepts in improvisational performance. Homework may include watching video of improvisational performers and the class may take a field trip to Baltimore to view a performance of the world-renown Baltimore Improv Group. *The class requires parental approval for viewing of these performances, as content can never be guaranteed. Participation in this part of the class is **not** mandatory.*

NOTE: students must be at least 14 years old by start of co-op, regardless of grade level

Instructor: Mary Kalbach

Enrollment: Minimum 5 students and Maximum 10 students

Class Time: 12:30-1:20 pm (4th period)

Cost: \$8 per student, per class

(\$80 for a 10 week session and \$64 for an 8 week session)

History – American (8th- 12th Grades):

American history isn't a history of good vs. evil, but a richly nuanced texture interwoven with the fascinating, interesting lives of thousands of people. Students will explore historic events, the atmosphere surrounding them, and their impact on the country's future. We will use portions of documentaries, readings, and even movies to explore American history from 1600 – the end of Reconstruction. I hope the students will gain knowledge and a love of American history through lively

discussions and interesting activities.

NOTE: It is recommended but not required that you register your student for all 3 sessions.

Instructor: BeckiJo Disney
Enrollment: Minimum 5 students, Maximum 20 students
Class Time: 12:30-1:20 pm (4th period)
Materials Fee: \$10 per session
Cost: \$7 per student, per class
(\$70 for a 10 week session and \$56 for an 8 week session)

History - Contemporary World (7th- 12th Grades):

Slog, slog, slog. We have made it through the Civil War and reconstruction. It is late April, and we have one more month of school to cover all of World War I, World War II, the Cold War, and present day. We better sprint through all of it really quickly. Does this sound familiar to anyone? This class begins around the turn of the 20th century. No longer is the time after reconstruction merely a time to be sped through, we will take time to understand the importance and implication of these events. How did the Bolshevik revolution impact the Cold War? What is MAD? When did the Cold War end? What was the Arab Spring? Why was the US involved in Afghanistan? How did there come to be Sudan and South Sudan? What is the deal with the Koreas, and how could they march under the same Olympic flag from 2000-2006? While this course is geared toward high school students, I welcome 7 and 8 grade students as well. Students in grades 7 and 8 will have slightly lower level expectations. We will use portions of documentaries such as The Civil War by Ken Burns and podcasts such as Backstory.

Instructor: Brianne Good
Enrollment: Minimum 8 students, Maximum 20 students
Class Time: 12:30-1:20 pm (4th period)
Materials Fee: \$25 for the year
Cost: \$7 per student, per class
(\$70 for a 10 week session and \$56 for an 8 week session)

Literature - Great Books (9th- 12th Grades)

What is a Great Book? How does a book even get to be in a category where the very term “Great Books” is capitalized? How can reading and discussing the so called Great Books possibly help students in the practical matters of their life? Why would homeschool parents force their high school students to read these “tedious” works of literature? All these questions and more will be answered in our year of reading and discussing together a few of the Great Books from the ancient time period (Creation-400 AD). This class will employ the Socratic Method, which is to say that the success of the class will rely heavily on the students being prepared for class ahead of time and being ready to discuss (out loud) what we are all reading together. Students will learn to identify themes and worldviews throughout literature. They will analyze and synthesize ideas and arguments. They will learn that ideas matter because ideas have consequences. They will become more active learners. If the class is completed as outlined in the syllabus, they will earn a full high school credit in Literature.

This class assumes that “All truth is God’s truth”, and that His truth may be found in all of His creation, including in the area of literature. The Word of God is relevant to history, literature and to our life. The student will grapple with his own worldview and will begin to understand that he needs to “own” his/her own worldview as a mature adult. Believe it or not, a study of the Great Books is a very useful tool in moving toward this goal!

Note: We will read and discuss about 7-8 Great Books over the course of the year. The list will include such works as Genesis, The Odyssey, The Epic of Gilgamesh, Plato’s Republic and others (subject to change). A full reading list including the exact editions required for class will be available to registered students by June 1, so that purchases may be made over the summer.

Instructor: Julie Coggins

Enrollment: Minimum 6 students and Maximum 12 students

Class Time: 12:30-1:20 pm (4th period)

Materials fee: \$12 for the year

Cost: \$7 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Math Support - Algebra I, Algebra 2 and Geometry (8th - 12th Grades)

This class will involve math assistance for Algebra I, Algebra 2 and Geometry. I will provide help with topics that students are having difficulty with, as well as covering new topics. I will assess areas of weakness for each student and work to improve those areas as the students continue in their own math curriculums. In class, I will work with students in whatever curriculum is being used at home, either one on one or in groups. This is a great opportunity to provide your student with the extra help that he/she may need to succeed in the "higher math" subjects. There is no materials fee or textbook required, other than the math textbook being used at home.

NOTE : This is a 1 period class but a student may sign up for BOTH the 12:30 and 1:30 period if they would like additional help.

Instructor: Christy Cornwell

Enrollment: Minimum 5 students, Maximum 8 students

Class Time: 12:30-1:20 pm (4th period)

Cost: \$10 per student, per class (\$16 total if taking BOTH the 12:30 and 1:30 periods)

(\$100 for a 10 week session and \$80 for an 8 week session)

1:30-2:20 pm - 5th Period

Biblical Overview (9th- 12th Grades):

People have used it, abused it, and have been changed by it. Wars have been fought over it, churches have been split over it. This one book has changed the course of human events and has impacted multiple societies. It has impacted countless individuals, and changed the hearts of millions. Over the course of the year, we will cover Genesis through Revelation and unpack the incredible message God gave to each of us. We will be covering basic theology as well as going to the Bible Museum at the

end of the year. Students will be expected to share at least one reflection throughout the year.

Instructor: Zachary Vincent

Enrollment: Minimum 6 students and Maximum 18 students

Class Time: 1:30-2:20pm (5th period)

Cost: \$6.50 per student, per class

(\$65 for a 10 week session and \$52 for an 8 week session)

Current Events (6th- 12th Grades):

A discussion based class focusing on the current events in the USA and the world. We will discuss a variety of topics in the news including politics, sports, medicine and education. Students will be asked to watch the news and or read current news articles and columns. Students will be encouraged to defend their opinions and views on the topic under discussion. We will discuss some the events from a Scriptural perspective. All students will be expected to participate in the discussions.

NOTE: It is recommended but not required that you register your student for all 3 sessions.

Instructor: BeckiJo Disney

Enrollment: Minimum 5 students and Maximum 20 students

Class Time: 1:30-2:20pm (5th period)

Materials Fee: \$10 per session

Cost: \$7 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Economics (8th- 10th Grades):

The award-winning illustrator Grady Klein has paired up with the world's only stand-up economist, Yoram Bauman, PhD, to take the dismal out of the dismal science. From the optimizing individual to game theory to price theory, *The Cartoon Introduction to Economics* is the most digestible, explicable, and humorous economics you'll ever read. Bauman has put the "comedy" into "economy" at comedy clubs and universities around the country and around the world (his "Principles of Economics, Translated" is a YouTube cult classic). As an educator at both the university and high school levels, he has learned how to make economics relevant to today's world and today's students. As Google's chief economist, Hal Varian, wrote, "You don't need a brand-new economics. You just need to see the really cool stuff, the material they didn't get to when you studied economics." *The Cartoon Introduction to Economics* is all about integrating the really cool stuff into an overview of the entire discipline of microeconomics, from decision trees to game trees to taxes and thinking at the margin. Rendering the cool stuff fun is the artistry of the illustrator and lauded graphic novelist Klein. Panel by panel, page by page, he puts comics into economics. So if the vertiginous economy or a dour professor's 600-page econ textbook has you desperate for a fun, factual guide to economics, reach for *The Cartoon Introduction to Economics* and let the collaborative genius of the Klein-Bauman team walk you through an entire introductory microeconomics course.

Required textbook: *The Cartoon Introduction to Economics* Volumes 1 and 2

Instructor: Brianne Good

Enrollment: Minimum 6 students, Maximum 15 students

Class Time: 1:30-2:20 pm (5th period)

Materials Fee: \$25 for the year

Cost: \$7 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Make a Movie (6th - 12th Grades):

In this year-long class students will work together through the entire process of creating an original movie. During the process of developing the final project, we will gain an understanding of the various roles involved, terminology used in the industry, and learn filming skills. We will be working through the filmmaking workflow which includes pre-production, production, and post-production. We will begin the year with script writing, progress into storyboarding, work through the filming and editing process and finally share in the joy of being a filmmaker. Note that outside work is required for this class.

Instructor: Holly Tymes

Enrollment: Minimum 5 students and Maximum 20 students

Class Time: 1:30-2:20 pmm (5th period)

Cost: \$8.50 per student, per class

(\$85 for a 10 week session and \$68 for an 8 week session)

Math Support (8th - 12th Grades)

This class will involve math assistance for Algebra I, Algebra 2 and Geometry. I will provide help with topics that students are having difficulty with, as well as covering new topics. I will assess areas of weakness for each student and work to improve those areas as the students continue in their own math curriculums. In class, I will work with students in whatever curriculum is being used at home, either one on one or in groups. This is a great opportunity to provide your student with the extra help that he/she may need to succeed in the "higher math" subjects. There is no materials fee or textbook required, other than the math textbook being used at home.

NOTE : This is a 1 period class but a student may sign up for BOTH the 12:30 and 1:30 period if they would like additional help.

Instructor: Christy Cornwell

Enrollment: Minimum 5 students, Maximum 8 students

Class Time: 1:30-2:20 pm (5th period)

Cost: \$10 per student, per class (\$16 total if taking BOTH the 12:30 and 1:30 periods)

(\$100 for a 10 week session and \$80 for an 8 week session)

Music - Advanced Strings (3rd- 12th Grades):

Prerequisite: Students must pass an audition requirement to participate in the advanced strings

class. Prior experience is required. Students will be able to continue study on their chosen string orchestra instrument (violin, viola, cello, bass). They will learn repertoire throughout the school year with two performance opportunities throughout the year. This class will be available for grades 3-12.

NOTE: Students will need to bring their own music stand and instrument to every class.

Required textbook: TBD

Instructor: Kim Finnigan

Enrollment: Minimum 5 students and Maximum 15 students

Class Time: 1:30-2:20 pm (5th period)

Materials Fee: \$10 for the year

Cost: \$7 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

Speech (7th - 12th Grades):

Fall Session: Using the Toastmaster's International Youth Interpersonal Communication manual, we will be exploring important every day speech topics such as making small talk, negotiating with others to arrive at win/win situations, receiving criticism gracefully, and being appropriately assertive. We will utilize role playing, peer evaluations and other exercises to learn these skills and the students will create and present short speeches to show they have mastered the material. Let's show the world how our homeschoolers can shine at social behaviors! Since there will be some in-class writing time, please have a device - electronic or manual - upon which your child can write.

Winter Session: This semester of Speech class will utilize the Toastmaster's International Speechcraft course. This semester we move into more in-depth speech writing and presenting skills and begin to learn parliamentary procedure in preparation for the last semester.

Spring Session: Our speech studies will culminate in the Toastmaster's International Youth Leadership Program which will be sponsored by the Valley Toastmaster's club. For this final semester, the students will hold their own Toastmaster's meetings, including parliamentary procedures. They will utilize the skills learned throughout the year. We will hold a speech contest and the winners will have a chance to present their speeches at the Valley Toastmasters meeting in Hunt Valley, MD.

Instructor: Mary Kalbach

Enrollment: Minimum 8 students, Maximum 18 students

Class Time: 1:30-2:20 pm (5th period)

Materials Fee: \$15 for the year

Cost: \$5.50 per student, per class

(\$55 for a 10 week session and \$44 for an 8 week session)

2:30-3:20 pm - 6th Period

Computer – Intro to Coding in Python (6th- 12th Grades) :

Why learn Python versus another computer language? For many years now, Python has been one of the most used programming languages in the world. Python is used in many industries. And, Python is beginner friendly and easy to learn. Intro to Coding in Python uses fun and engaging projects to teach students the core concepts of coding as they learn the basic syntax, structure and process for writing in Python. They will learn about coding topics such as variables, loops, lists, functions and if statements as well as computer science concepts such as debugging, problem solving, computational thinking and algorithms.

NOTE: Students are required to bring a computer to class.

Instructor: Cheri Bogart

Enrollment: Minimum 12 students and Maximum 16 students

Class Time: 2:30-3:20 pm (6th period)

Materials fee: \$25 curriculum fee (access to coding platform) for the year

Cost: \$8 per student, per class

(\$80 for a 10 week session and \$64 for an 8 week session)

History – Pennsylvania State (7th- 12th Grades)

History is a story that is meant to be enjoyed. This is especially true when it's the story of our home. In this class discover the people and events that shaped Pennsylvania. We'll have hands on lessons that focus on early exploration, growth and industry, early government, and the people that have made PA great. This class will involve several field trips to various historical locations around York County. They will be optional, but highly encouraged. One planned trip will cost 6.00 per attendee, other fees might apply.

Instructor: Randi Marchant

Enrollment: Minimum 6 students and Maximum 20 students

Class Time: 2:30-3:20 pm (6th period)

Cost: \$7.00 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)

History - What We Can Learn from Walt Disney? (6th- 12th Grades)

Is your child fascinated by the life and times of Walt Disney, animation, and amusement parks? Does your child have a dream like Walt? This class will take a look at Walt Disney's biography, including his service in WW1, his connections to WW2, and how his dream grew and changed during his life; his contributions to animation and how animation has changed with technology; how milestones at Disney tie to world events; Walt's business model for his amusement parks, including some interesting facts. We will evaluate what we think about Disney today as compared to Walt Disney's dream and whether the management has kept to Walt's dream. We will close out the year by incorporating what

we've learned all year with Walt Disney AND independent research by students into other with 'dreams' and look at their dreams. Students will be encouraged to watch particular Disney movies, read novels related to those movies, evaluate Disney amusement rides based on connected items, etc. If you ever wanted to go back and incorporate your parental memory of Sunday night's "Wonderful World of Disney", this class would give a great opportunity!

Instructor: Carrie Ouellette

Enrollment: Minimum 6 students and Maximum 20 students

Class Time: 2:30-3:20 pm (6th period)

Materials fee: \$25 for the year

Cost: \$6.00 per student, per class

(\$60 for a 10 week session and \$48 for an 8 week session)

Literature with Movies (8th- 12th Grades):

Dragons, Giants, ROUS, bands of thieves, chocolate, mystery, utopias, WWII, the Cold War, and Chess. What do all these things have in common? As we read our way through various genres, we will discover the importances of setting, theme, plot, and characters. Beginning with the fantastic and ending with the historical, we will explore authors such as Roald Dahl, Rick Riordan, Charles Dickens, Agatha Christie, and more. This 1 credit highschool literature class provides students the opportunity to compare and contrast literature, not only with other literature, but with the movie based on the book. Possible titles include: How to Train Your Dragon, Ella Enchanted, The Princess Bride, The Lightning Thief, The Thief Lord, A Christmas Carol, Charlie and the Chocolate Factory, Murder on the Orient Express, Jurassic Park, The Giver, Hitchhiker's Guide to the Galaxy, The Book Thief, Hunt for Red October, Hidden Figures, Queen of Katwe, and He Called me Malala.

Instructor: Brianne Good

Enrollment: Minimum 8 students and Maximum 15 students

Class Time: 2:30-3:20 pm (6th period)

Materials fee: \$25 for the year

Cost: \$7.00 per student, per class

(\$70 for a 10 week session and \$56 for an 8 week session)