

CHEX Second Level Course Offerings 2021-22

Course Dates

Fall 2021 8-week courses: September 15, 22, and 29; October 6, 20, and 27; November 3 and 10

Fall 2021 12-week courses: September 8, 15, 22, and 29; October 6, 20, and 27; November 3, 10, 17; December 1 and 8

Spring 2022 8-week courses: January 26; February 2, 9, and 16; March 2, 9, 16, and 23

Spring 2022 12-week courses: January 12, 19, and 26; February 2, 9, and 16; March 2, 9, 16, 23, and 30; April 6

2021-22 16-week courses: Meet for both Fall and Spring 8-week course dates

2021-22 24-week courses: Meet for both Fall and Spring 12-week course dates

Course Descriptions

Courses for Credit: Please note that some courses are listed as being for credit. For 1 credit courses, students are expected to complete at least 120 hours of coursework, including class time and homework. For ½ credit courses, students are expected to complete at least 60 hours of coursework, including class time and homework.

STEM courses

Chemistry / Lisa Sanchez / 24 weeks / Grades 9-12 / \$ 180 / 1 credit

Naturalist Lisa J. Sanchez will facilitate this course which follows Jay Wile's *Discovering Design with Chemistry* textbook and will focus on performing the hands-on experiments during class time. A syllabus will be provided and students should expect to spend 3-4 hours per week on homework including writing lab reports. Each family must purchase the textbook independently. Parents will administer and grade tests, also purchased independently. *Prerequisite:* Must have completed Algebra I. Completion of another high school level science (such as biology) is highly recommended.

Apologia Physical Science / Lisa Sanchez / 24 weeks / Grades 7-9 / \$ 120 / 1 credit

This course follows the Apologia *Exploring Creation with Physical Science* textbook, 3rd edition, and focuses on performing the hands-on experiments during class time. A 32-week detailed reading and assignment schedule will be provided for work at home. Homework will average 3-4 hours per week including writing lab reports. Each family must purchase the textbook independently. Parents will administer and grade tests, also purchased independently. The math

portion of this course involves converting measurement units, simple rearranging of equations, and multiplying and dividing fractions.

Ecology / Lisa Sanchez / Spring 8 weeks / \$30

Join Naturalist Lisa Sanchez for an enthusiastic tour of the world's ecosystems and biomes, exploring deserts, mountains, forests, oceans, grasslands, and more. Study how animals, plants, and habitat are intertwined. Learn about endangered species as well as the water and oxygen cycles. Minimal homework.

Computer Skills / Sarah Conn / Fall 8 weeks / \$20

In this course students will learn the basics of operating a Windows computer, finding information on the Internet, and produce documents in Microsoft Word. Some of the covered topics will include organizing files on your computer, using keyboard shortcuts and menus, Internet safety and reliability of websites, formatting text and using tables in Word. Students will need to bring a laptop with MS word to class each week. (I have a couple available to borrow or purchase cheaply, if interested.) No textbook is necessary for this course, but many handouts will be provided. Students should have a small binder or folder and paper available to organize their materials. Less than an hour of homework each week is expected. However, it is strongly encouraged that students also practice typing skills during this course. Many free programs are available online for this purpose.

Communication courses

Writing and Literature / Renita Gerlach / 24 weeks / Grades 9-12 / \$165 / 1 credit

Using Andrew Pudewa's theme-based curriculum, Bible-Based Writing Lessons, published by the Institute for Excellence in Writing, Mrs. Gerlach guides students in learning to write with greater structure and style. Students will develop communication skills by practicing various types of academic writing, using outlines and adding "dress-ups." Types of writing include narrative retelling, multiple-paragraph essays, a research report, and literary analysis. This study incorporates informal weekly journal entries, literature, and vocabulary as well. Class cost includes the student book and a blank journal. Additionally, students will need a 1.5" 3-ring binder with 20-25 clear sheet protectors, and access to approximately several literature selections (can purchase or borrow from the library). Students can expect to spend an average of 45-60 minutes on homework each day. Teacher will adapt student assignments to fit both advanced and less experienced high school writers. If desired, student can take only the first semester for ½ English credit and \$90.

Writers Club / Rhi Landis / Fall 8 weeks / Grades 7-9 / \$10

During this course, middle-school students will be completing a variety of writing projects to help them further their writing experience. They will be learning about some different types of writing such as a get-to-know-you piece, a short speech, a short historical fiction story, poetry, and a book report. These classes will be non-credit, so the projects will not be graded. This is to give the students ideas and to get their creative juices flowing. Students will be expected to complete writing projects as homework each week.

Biblical Worldview / Michele Landis / Fall 8 weeks / Grades 9-12 / \$20

We are Christian's, correct? If we are, do we truly live as "Biblical" Christian's? What does this mean? How does it look in "real life", "every day" occurrences? This is what we'll discuss in this class on Biblical Worldview. It's more than just going to church and doing good deeds, this is the heart of living out obedience to God, rather than ourselves. This is looking at crucifying our flesh and living a life in the Spirit. It is the challenge each of us are given as followers of Christ from the Scriptures. If you want to grow as a Christian, and be used by God to impact our culture for Him, I encourage you to join me on this journey. Minimal homework is expected for this course.

Basic Braille / Jerry and Cheryl Kindig / Fall 8 weeks / Grades 7-12 / no fee

This is a basic Braille class for students to learn to read and write Braille. They will learn the Braille alphabet, numbers, some punctuation, and a few contractions. The Bible will be incorporated into the class as students are learning Braille. Students should expect no more than an hour of homework each week.

Social Studies courses

Youth in History / Elizabeth Gormley / Fall 12 weeks / Grades 7-12 / \$15

This class is arranged to examine various time periods or events throughout history, with the central point of young people who experienced those events. Learn more about King Tut and the Egyptian Empire, Laura Ingalls and the settling of the American west, and Ruby Bridges and the Civil Rights Movement, among others. Students will take notes, answer quiz questions, and increase their knowledge of world history.

Details: During the course, each student will be allowed to choose a person on which to base their end-of-semester project. They may write an essay, create an exhibit board, or put together a dramatic monologue to present on the last day of the class. No materials are required for purchase in order to take the class, as most homework reading will be done online. The homework load should take about half an hour to an hour per week.

Geography Through Art / Jamie Rohrer / Spring 8 weeks / Grades 7-12 / \$25

In this class, students will be combining art with geography to develop a deeper understanding of the peoples of the world and how they live. Each week, we will learn about a new country or region and then complete a work of art from that area. Some examples include creating miniature paintings from India, sculpting Golden Staff Finials from Ghana, and carving bars of soap to replicate chainsaw carvings of the Ozarks. Each student will have a provided folder to keep their geography papers and instructions for each week's art project in.

Supplies: Pencils, Scissors, Crayons, Markers, Glue, and Pencil Sharpeners. All other supplies will be provided.

Homework: Expect the average amount of homework to be 30 minutes to an hour weekly. Homework time will depend on which project is taught that week and how far along the student is on his/her project before leaving class. Please note that students are responsible for bringing their completed projects back to class each week.

Introduction to Economics / Sarah Conn / Spring 8 weeks / Grades 7-12 / \$20

How do businesses set their prices? Why do stores run out of some products and not others? Why can't we just print more money so we can buy all the stuff we want when we want it? If you've ever wondered about questions like these, you're curious about economics. Using an ice cream company as our case study, students will learn about many foundational principles of economics. We will investigate how both businesses and customers play a role in setting prices, how product shortages come about, the role of money in inflation, and several other ideas. No textbook is necessary for this course, but many handouts will be provided. Students should have a small binder or folder and paper available to organize their materials. Less than an hour of homework is expected each week.

Pennsylvania History / Sarah Conn / Spring 12 weeks / Grades 7-12 / \$25

In this course, students will gain an overview of Pennsylvania history. We will look at events and developments from colonial to modern times. We will especially focus on how Lancaster County played a role in the history of PA. No textbook is necessary for this course, but many handouts will be provided. Students should have a small binder or folder and paper available to organize their materials. This is offered as a no credit course, but many supplemental readings, videos (especially online), and field trips will be suggested that could be used to make this a course for credit.

Arts courses

Basics of Art / Sam Mylin / Fall 8 weeks / Grades 7-12 / \$60

This course is designed as a fundamental course to teach art appreciation, pencil control, the basic foundations of art, and the creative process. Basic Art is a fun and popular class and is a "must" before taking advanced art classes. Art supplies needed for this class: sketchbook, pencils, rulers, sharpener, eraser, and colored pencils.

Advanced Art / Sam Mylin / Spring 8 weeks / Grades 7-12 / \$60

Advanced ART: taking the Basics of Art to a new level! In this class we will create art, study art, look at art, and do some more art! The objective is to create for portfolio use. As we build our portfolio we are working towards function of art and the process. Supplies needed: Art Kits that enable students to Draw, Paint, Mix and Build! Art Happens!

Other Elective Courses

Outdoor Survival Skills in PA / Lisa Sanchez / Fall 8 weeks / \$30 / Grades 7-12

You find yourself lost and without a cell phone in the hills of PA. What do you do? How would you find shelter? Water? What animals might you need to avoid? What could you eat? Learn survival skills as well as animal and plant identification with Naturalist Lisa Sanchez.

Chess Club / Both 8 week sessions / Grades 7-12/ \$10

Calling all chess players! If you have trouble finding people to play chess with you, this is your opportunity. This club is for chess players at all levels to be able to play together. There will not

be formal instruction, but you can definitely learn a lot from each other! Some chess sets will be provided, but you are welcome to bring your own if you like.

Games and Logic / Cathy Sharp / Fall 8 weeks and Spring 8 weeks / Grades 7-12 / \$35

Any serious gamers at CHEX? Dabble in numbers, geography, strategy, cooperative play, spatial challenges, trivia, word puzzles, and logic through games and brain teasers. There will be new games you may never have tried, as well as oldies but goodies.

Experience trains, maps, ferries, monsters, castles, abbeys, citadels, queens, lanterns, mancala, and more. Intrigue and challenge awaits the curious mind.

Good sports only in this class, because even the person in last place is victorious. Success is the achievement of learning a new game!

This class will require preparation and study in advance of class. Each student must do their part to be ready to play. Focus will be important, because collectively we want to reach the game's conclusion. These games will challenge you. Don't get discouraged. Have fun.

Students may take this course in either the fall, spring, or both sessions.

Baking / Diane Wenger / Spring 8 weeks / Grades 7-12 / \$25

This is an 8-wk course that will cover baking tasty treats. We will be baking some Lancaster County favorites from chocolate chip cookies to brownies, muffins, whoopie pies, soft pretzels, pizza and more. All the ingredients will be provided but students may need to bring some baking supplies (handmixer, baking sheets, etc.) At the end of each class students will get to take home what they baked that day (they will be working in pairs so they'll get about a doz. cookies, muffins, etc.)

Physical Education: Active Games / Sarah Conn / Fall 7 weeks and Spring 7 weeks / Grades 7-12 / \$10

Each week the whole class will play a couple of active games together including basketball, soccer, ultimate frisbee, dodgeball, kickball, and others. Students will use this time to keep their bodies active and interact with their peers in a fun, positive way. This class will not meet on the last day of each of the 8-week sessions to allow students to enjoy the end-of-session luncheon together.