

# Homeschool Classes

## **Around the World Cooking for Home School Students (Ages 12 – 16) (HSE118)**

Tasty tacos from scratch, perfect pasta, delectable French pastries and stuffed grape leaves are just a few of the dishes you'll create in this hands-on international cooking class. Taking place in the professional teaching kitchen at the Monroe Campus on Monroe Avenue, each week students will learn about and craft delicious dishes originating from different countries like Mexico, Italy, France and Greece.

12 hours                      \$159  
16706              Wed 2:00 PM - 5:00 PM              10/3/2018 - 10/24/2018  
Room – Monroe Center/MC118              Instructor: Miller

## **Beginning Watercolor for Homeschool Students (Ages 11-14) (HSE117)**

Discover the power of the color wheel and explore how to mix paint to create your own colors as you create graceful and colorful scenes from nature. Unlock the mystery of watercolor techniques like drawing, brushstrokes, using the correct brushes and distinctive paper as you learn about pattern, symmetry, focal point and composition. This class introduces the basics of watercolor painting while encouraging students to explore and create.

8 hours                      \$89  
16690              Fri 12:00 PM - 2:00 PM              10/26/2018 - 11/16/2018              Room – F141  
Instructor: McDermott

## **Introduction to Cosplay for Homeschool Students (Ages 12 -16) (HSE186)**

Are you new to Cosplay or want to learn more about it? In Cosplay, participants focus on dressing up as a character from a book, movie or video game. Learn some tips and tricks of the trade and all about the different products that are available, how to work with them, and how to "Cosplay" on a budget. While discovering how to turn 2D into 3D, how to figure out measurements and how to do simple circuitry, Cosplay is costuming with a whole lot of STEM thrown in!

7.5 hours                      \$119  
16687              Fri 2:00 PM - 3:30 PM              10/5/2018 - 11/16/2018 (skip 11/2)              Room – E104  
Instructor: Colburn

## **Mad Science for Homeschool Students(Ages 9-12) (HSE176)**

Be a mad scientist! In this class, use your understanding of chemistry to stack liquids, make "elephant toothpaste" with the help of a catalyst and engage with principles like sedimentation and supersaturated solutions to grow crystals. Other projects include making a kaleidoscope to witness the effects of refracting light, experimenting with a technique of color separation called chromatography and concocting invisible ink to write secret messages. And more!

8 hours                      \$99  
16692              Fri 12:00 PM - 2:00 PM              11/2/2018 - 12/7/2018 (skip 11/16 & 11/23)  
Room - C237              Instructor: Duckworth

## **MakerSpace for Homeschool Students - Laser: Design & Construction (Ages 12-16) (HSE308)**

In this hands-on class taking place in the MakerSpace at the Monroe Campus on Monroe Avenue, students will explore the principles of design, prototyping and making. Use a variety of flat materials and critical thinking skills to solve challenges and build designs. Discussion topics will include joinery, simple machines and 3D construction. Instruction will include using vector based drawing software to control the laser cutter. Each session will present students with a different challenge.

18 hours      \$219

16915      Wed 10:30 AM – 1:30 PM      10/3/2018-11/7/2018

Room – Monroe Center/MC135      Instructor: Bier

## **Marine Science for Homeschool Students (Ages 13-16) (HSE177)**

Explore the biology, chemistry, ecology, geography and physics of the ocean in this hands-on science class. The relationship between ocean life, the coastal environment and humans will be investigated as you learn about the impact of technology and pollution on marine ecosystems. The ocean has many influences on the earth and provides humankind with many resources. Learn what you can do to protect this beautiful and essential part of the world we live in.

12 hours      \$129

16682      Fri 9:00 AM - 12:00 PM      9/28/2018 - 10/26/2018 (skip 10/12)

Room - C237      Instructor: Duckworth

## **Photo Bootcamp for Homeschoolers (Ages 9+) (HSE115)**

Get to know your digital camera while you gain technical and creative control over your photographs. While shooting in Manual Mode, learn how to create strong composition, shoot with intention, master exposure, depth of field, and shutter speed basics. Students should bring a digital camera with manual mode, media card and flash drive to class.

12 hours      \$129

16689      Fri 11:00 AM - 2:00 PM      10/12/2018 - 11/2/2018      Room - B112

Instructor: Miller

## **Polymer Chemistry, also known as - The Science of Slime! (Ages 8-12) (HSE178)**

As you explore the many types of slime, including Silly Putty and cornstarch water slime, you'll really be exploring different types of polymers and the chemistry behind them. Learn about insta-snow, water jelly crystals, how diapers work, tie-dye, some common synthetic polymers like rubber, plastic, and nylon as well as natural polymers like starch, DNA, and proteins.

Guaranteed mess and fun!

8 hours      \$99

16691      Fri 9:00 AM - 11:00 AM      11/2/2018 - 12/7/2018 (skip 11/16 & 11/23)

Room - C237      Instructor: Duckworth

### **Spanish for Homeschool Students (Ages 6-12) (HSE131)**

Students will be exposed to the Spanish language by way of immersion and thematic lessons. Learn Hispanic culture and basic vocabulary through interactive and conversation-based activities. This course prepares them for more intensive (credit-bearing) Spanish classes. By course's end, homeschoolers will not only engage in basic communication with community members but will also better view themselves as global citizens with a keener sense of cultural tolerance.

9 hours                      \$99  
16686              Fri 9:30 AM - 11:00 AM              10/5/2018 - 11/9/2018              Room - E104  
Instructor: Garcia

### **Storybook Art for Homeschool Students (Ages 7-11) (HSE116)**

Create classic story book illustrations from beloved favorites using a variety of media. Craft a collage inspired by Eric Carle's "The Hungry Caterpillar", create whimsical drawings to accompany the work of Dr. Suess, and draw animals in the style of Beatrix Potter. And it's always fun to design quirky ink drawings to complement Shel Silverstein's "Where the Sidewalk Ends" poems.

8 hours                      \$89  
16683              Fri 12:00 PM - 2:00 PM              9/28/2018 - 10/19/2018              Room - F118  
Instructor: McDermott

### **The Aeneid to Caesar: Ancient History and Literature for Home School Students (Ages 11-15) (HSE181)**

This unit focuses on Ancient Rome from its mythological origins to the Empire of Caesars. We will look at the expansion of the Roman world and its enduring legacy to Western society. Participants will independently read Julius Caesar: The Graphic Novel by William Shakespeare and by Dan Whitehead and Eagle of the Ninth by Rosemary Sutcliff. Class will include book discussion, historical briefs and a mix of complementary activities.

8 hours                      \$89  
16688              Fri 10:00 AM - 12:00 PM              10/12/2018 - 11/2/2018              Room – B111  
Instructor: Barbee

### **The History of Science for Homeschool Students (Ages 10-13) (HSE179)**

This class will explore the history of science through hands on experiments and activities from such incredible scientists like Aristotle, Galileo, Da Vinci, Newton, Franklin, Einstein and many others.

8 hours                      \$99  
16685              Fri 1:00 PM - 3:00 PM              9/28/2018 - 10/26/2018 (skip 10/12)  
Room - C237              Instructor: Duckworth

## **The Silk Road: Ancient World History and Literature for Homeschool (Ages 11-14) (HSE217)**

This unit will focus on the cultures, land and people along the ancient overland trade route linking the known world to the Mysterious Far East. This ancient route carried trade goods while providing a cultural bridge between the East and West. Participants will independently read *The Arabian Nights* by Wafa Tarnowska and *Where the Mountain Meets the Moon* by Grace Lin. Class will include book discussion, historical briefs, and a mix of complementary activities.

8 hours

\$89

16693

Fri 10:00 AM - 12:00 PM

11/16/2018 - 12/14/2018 (skip 11/23)

Room – B112

Instructor: Barbee

For questions regarding the classes, please call 301-846-2661.

Students can register online at [www.frederick.edu/youth](http://www.frederick.edu/youth) or on campus at the Student Center, H105.

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