



Where the depth and breadth of creativity and learning is driven by each unique mind. **The STEAMshop is for Grades K to 9 (Entering Grade 1+ in the Summer)**

SUMMER 2021 Camp Program Descriptions

Registration opens at 6:00 PM on Monday, April 12, 2021

**Please check separate post for evening program information*

Half and Full Day Week-long Camps

Cumberland residents qualify for financial assistance with a free/reduced lunch (FRL) approval letter. A sliding scale is also available for residents: *please apply!*

Week 1 | July 6-9 | T-F | Entering Grades 3-6

Making Magic Workshop, 9-11* AM, Cost: \$135, FRL \$55

Have you ever wondered how magicians do magic? Are you ready to amaze your family and friends with magic of your own making? Learn how to perform magic tricks using props and sleight of hand techniques, disappearing and reappearing objects, card tricks and mind reading!

Puppet Theatre Makers, 12:30 – 3 PM, Cost: \$105, FRL \$35

Take creativity to a whole new level! Design and build puppets and small stage sets, write short plays and/or scenes for the OCYL's very own puppet theatre! Invent whimsical characters, learn basic hand-sewing techniques and how to put together a variety of puppets. Stretch your imagination and writing skills too! Build your presentation confidence.

*Register for both, BYO Nut Free lunch and make it a whole day!

Week 2 | July 12-16 | M-F | Entering Grades 5-8

Rockets & Robots, 9 AM – 12 PM, Cost \$260, FRL \$130

One of OCYL's most popular camps! Build and launch your own rocket! Learn about robotic systems and construct a remote-controlled robotic arm. Keep the rocket and robotic!

Week 3 | July 19-23 | M-F | Entering Grades 3-5

Rocket Science, 9 AM – 4 PM, Cost \$345, FRL \$175

Build and launch a solid fuel rocket! This is perfect for the young aerospace engineer in your family. Participants will keep a commander's log, investigate the solar system, design a satellite and build a space base for astronauts!

Week 3 | ONLINE/REMOTE | July 19-23 | M-F | Entering Grades 1-4

Space Lab, 10 AM – 12:15 PM, Cost \$200, FRL \$100

Design a 3D model of our solar system, build a model satellite and learn the forces of space flight. Construct a balloon powered rover and explore the surface of a rocky planet. Enter an alien atmosphere, study distant constellations and make amazing galactic slime and galaxies.

Week 4 | July 26-30 | M-F | Entering Grades 2-5

Unicorns, Dragons and Magical Creatures, 1-4 PM, Cost \$120, FRL \$35

Do you love stories about magical creatures? Do you love art? This camp is all about learning about fantastical creatures, hearing great stories about mythological beasts and creating imaginative

artworks that showcase the beauty and majesty of magical creatures!

Week 4 | ONLINE/REMOTE | July 26-30 | M-F | Entering Grades 2-3

Animation Studio with Tynker, 10 AM – 12:15 PM, Cost \$200, FRL \$100

NEW at OCYL! Create animated cartoons. The basics of animation as you draw character and bring them to life with code! You will create a portfolio of fun projects including original animated games, cartoon strips, music videos and interactive worlds to share with friends and family.

Week 5 | ONLINE/REMOTE | August 2-6 | M-F | Entering Grades 4-5

Animation Studio with Tynker, 10 AM – 12:15 PM, Cost \$200, FRL \$100

NEW at OCYL! Create animated cartoons. The basics of animation as you draw character and bring them to life with code! You will create a portfolio of fun projects including original animated games, cartoon strips, music videos and interactive worlds to share with friends and family.

Week 6 | August 10-13 | T-F | Entering Grades 5-8

Arduino Coding, 9-11 AM, Cost \$125, FRL \$40

This program is an introduction to writing code using an Arduino microcontroller. Students will be instructed in developing code that interfaces to electronic sensors and controlling applications such as sound generation, motor and lighting control. Each participant will experiment with applications and develop their own code to control various devices.

Week 6 | August 10-13 | T-F | Entering Grades 8-12

Upcycle Clothing Design, 1-4 PM, Cost \$105, FRL \$35

NEW! During this 100% hands on class students will learn how to refashion and upcycle clothing. By using gently upcycled clothing students will learn how to do an ombre bleach fade, tear apart denim jeans to create bags, skirts and shorts. They will learn to embellish clothing with beads, lace, embroidery, refashion men's shirts or jackets and refashion accessories into painted scarves, reimagined bags, belts, and jewelry. Student may bring their own clothing for refashioning or use our clean upcycled materials. Sewing machines, needles and other sewing tools will be used. Dyes, and bleach will also be used to create one of a kind wearable clothing.

Week 6 | ONLINE/REMOTE | August 10-13 | T-F | Entering Grades 1-4

Space Lab, 9:30 AM - 12:15 PM, Cost \$200, FRL \$100

Design a 3D model of our solar system, build a model satellite and learn the forces of space flight. Construct a balloon powered rover and explore the surface of a rocky planet. Enter an alien atmosphere, study distant constellations and make amazing galactic slime and galaxies.

Week 7 | August 16-20 | M-F | Entering Grades 5-9

App Inventors, 9 AM – 12* PM, Cost \$175, FRL \$45

Use MIT App Inventor software to make fun, creative apps for Android phones and tablets. Learn both the programming and design aspects of creating great apps.

Creative Computing, 1 – 4 PM, Cost \$175, FRL \$45

Use Arduino and Raspberry Pi to design hands-on projects ranging from LED light shows to touchless musical instruments to wearable computers, all in the name of taking cool ideas and making them real.

*Make it a full day!

***Register for both and make it a full day! Cost \$295, FRL \$75**

[CLICK HERE FOR THE LINK TO REGISTER](#)