



New!

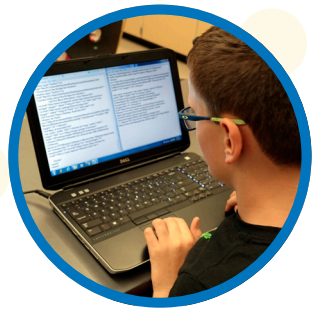
Look for the icon to see the latest camp offerings for your age group.

### Register Online at RoperMountain.org

**Members only online registration**  
Monday, February 17 through  
Tuesday, February 18

**Monday, February 17 is online  
member registration only, beginning  
7:00am. No walk-in registration.**

Public registration opens online  
Wednesday, February 19 at 8:00am.



# Roper Mountain

## Summer 2020

Activity-based camps that mix learning and fun!

### RoperMountain.org

### Butterfly Adventure June 9 - July 10, 2020

- Explore our butterfly habitat
- Encounter hundreds of butterflies
- Pet a stingray in our Marine Lab
- Discover our Living History Farm
- And so much more...



## Summer Exploration Camps

This guide lists all the different hands-on camps offered in Roper Mountain labs, habitats and classrooms. Camps are arranged by the grade your student will complete at the end of this school year. Each camp is filled with exciting activities and materials, many of which campers can take home to extend their experience.

**Camp Staff:** Instructional staff are professional educators or experts in their field.

**Daily Snack:** A snack and reusable water bottle are provided for all camps. While we make every effort to avoid allergens, snacks are not guaranteed to be allergen free. You are welcome to send alternate snacks with your child.

**Camp Size:** Camps are limited to 16 students or less.

**Fees:** See camp descriptions.

**Full Day Camps:** Campers should bring a lunch and drink each day. These are not provided. Dress in layers to be comfortable in cool indoor and hot outdoor temperatures, as students will likely spend time outside (weather permitting). Please wear footwear appropriate for outdoor activity (no flip-flops or backless sandals).

**Early Drop Off & Lunch Bunch:** page 14

**Medication Policy:** Staff cannot administer medication to students. The only exception to this rule is in the event of an allergy emergency. Students with allergies must keep their medication and written treatment instructions with them at all times.

**Behavior Expectations:** Campers are required to participate in all camp activities, use appropriate language and show respect for teachers, staff, other campers and the facility. Bullying and violence will not be tolerated. Students who do not exhibit proper behavior will have parents contacted and may be dismissed from camp if behavior is not improved.

## Welcome!

We're excited for another great summer here at Roper Mountain! Our Summer Exploration Camps continue to offer a wide range of topics for students who have completed K4 through grade 9, including new offerings in LEGO robotics, art, food, natural science and pop culture.

Butterfly Adventure returns for the 5th year! Beginning Tuesday, June 9th through Friday, July 10th, you'll have an opportunity to experience our immersive live butterfly habitat, as well visit Harrison Hall, Wildwood and the Living History Farm. Butterfly Adventure is open Tuesday through Saturday, 9:00am to 3:00pm.

T.C. Hooper Planetarium will offer eight different summer shows on Tuesdays, Wednesdays and Thursdays during July and August. This is a great opportunity to catch up on a show you might have missed, or try out a new one! The Planetarium features a 360° full immersion dome with 4K projection, surround sound and chromacove lighting. Laser Days of Summer will also return to the Planetarium – more details will be available regarding shows and schedule soon.

As you visit this summer, you'll notice the progress on the Environmental and Sustainability Center at the bottom of the mountain. We are anxious to unveil this great new offering in 2021! In the meantime, for safety reasons, this area is off-limits to visitors, so please do not enter the construction zone.

Please visit our website at [RoperMountain.org](https://RoperMountain.org) for a full schedule of all the fun things happening around the Mountain. We look forward to seeing you!

## In This Guide

Use the information below to find all of the camps available for your child's completed grade level.

Completed Grades K4 – K5.....	1
Completed Grades K5 – 1.....	1, 2, 3
Completed Grades 1 – 2.....	3, 4
Completed Grades 2 – 3.....	5, 6
Completed Grades 3 – 4.....	6, 7
Completed Grades 3 – 5.....	8
Completed Grades 4 – 5.....	9
Completed Grades 4 – 6.....	10
Completed Grades 5 – 7.....	11, 12
Ages 12+.....	13
Boy Scout Merit Badges.....	14
LEGO® Robotics.....	15, 16, 17

## Completed Grades K4–K5

### Octonaut's Ocean

Come join Captain Barnacles and be part of his crew! This camp is based on the beloved Octonaut book series by Meomi. We will explore the ocean and learn about the creatures that live there. Each day we will explore the Marine Lab and learn about an animal and its ocean habitat. Then we'll have fun with daily crafts or hands-on activities.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** K4 and K5

**Instructor:** Leslie Baxley

**Location:** Marine Lab

**Fee:** \$125

### Fairy Tales at Roper Mountain

We will have some classic fairy tales read to us. Then we will explore the wooded trails, tree houses, gardens, bridge, and farm - all great places to re-enact our fairy tale of the day. Campers will create projects, sing songs and play games about the fairy tale of the day. We will also act out the fairy tales with puppets. Stories will include *Jack and the Beanstalk*, *Little Red Riding Hood*, *The Three Little Pigs*, *The Billy Goats Gruff* and more.

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 12noon

**Completed Grades:** K4 and K5

**Instructor:** Leslie Baxley

**Location:** Shelter 7/8

**Fee:** \$125

### The World Around Us

We'll journey through our walking trails, meet the animals that call the mountain home, take a look through a telescope, and even use technology to view RMSC from the sky. Campers will get an in-depth look at how observation can tell them a lot about the world around them. Each day will focus on one of the five senses as we learn to be good observers and use all of our senses.

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** K4 and K5

**Instructor:** Jasmin Poor

**Location:** Symmes Hall Lab 3

**Fee:** \$125



### Very Hungry Caterpillar

Based on the Eric Carle book, *The Very Hungry Caterpillar*, campers will study his unique style of illustration while we explore caterpillars and compare what they eat in the book to our host plants here in South Carolina. We'll visit the Butterfly Garden and see if we can find signs of butterflies and caterpillars around the mountain. Learn about the life stages of a butterfly and create some 3D models to represent each stage.

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** K4 and K5

**Instructor:** Leslie Baxley

**Location:** Rainforest Classroom

**Fee:** \$125

## Completed Grades K5–1

### Mini Meteorologist

Do you love learning about the weather? We will look at weather by season and research what to expect in spring, summer, fall and winter, and explore various weather conditions with hands-on experiments. Family and friends are invited the last day of camp to watch us re-enact our favorite weather conditions as mini-meterologists!

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Leslie Baxley

**Location:** Symmes Hall Lab 9

**Fee:** \$125

### Kitchen Chemistry

Cook up some chemistry fun and discover all the science experiments that lurk in the kitchen. Students will be encouraged to "play" with their food, make a soda fountain, and use basic items to explore chemistry! Basic safety techniques for common items found in the kitchen will also be introduced.

**Session:** 1

**Dates:** July 6 - 10

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Emily Faust

**Location:** Symmes Hall Lab 9

**Fee:** \$125

### Circus Science

Come one, come all to the Under the Big Top Science Circus! We'll have fun juggling, balancing, doing magic, and even walking on a tightrope. We'll experiment with popcorn, make cotton candy play dough, ice cream clowns and much more! Step right up and dream big at the Science Circus!

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 12noon

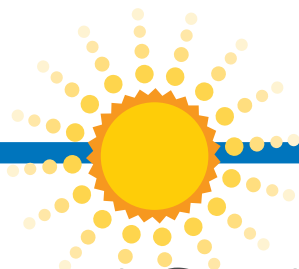
**Completed Grades:** K5 and 1

**Instructor:** Erin EuDaly

**Location:** Symmes Hall Lab 3

**Fee:** \$125





## Completed Grades K5–1

### Coding Trailblazers

Journey into the world of coding! We'll start with basic coding concepts, then use a variety of unplugged and online coding activities to refine your skills. Campers will work on individual and collaborative group tasks. Combine creativity with problem solving as you blaze a trail into the knowledge of computer coding!

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Antonio Allen

**Location:** Symmes Hall Lab 2

**Fee:** \$125

**Session:** 2

**Dates:** July 6 - 10

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Antonio Allen

**Location:** Symmes Hall Lab 2

**Fee:** \$125

### Mini Makers

Using our creative mind and hands-on exploration method, we will have fun creating works of art this week. Who's ready to play with watercolor and paint, get your hands messy as we build a hanging sculpture and even make our own upcycled animal art? Students will keep a sketch book of their work, which they will take home with them at the end of the week along with all their handmade masterpieces.

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Kristin LaRoy

**Location:** Symmes Hall Lab 4

**Fee:** \$125

**Session:** 2

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Kristin LaRoy

**Location:** Symmes Hall Lab 8

**Fee:** \$125

### Farm Animals & Garden Fun!

Let's be farmers for a week! Each day we'll visit the barn to feed, care for, and learn about our special farm animals. We'll have fun gardening in our huge vegetable and fruit garden and enjoy healthy snacks to reward our efforts. There will be funny farm stories and silly games, along with crafts and a plant from our garden to take home. Each day will bring new excitement with our sheep, chickens, cow, pig and horse. We will also have fun digging in the garden.

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Lisa Dye

**Location:** Living History Farm

**Fee:** \$125

**Session:** 2

**Dates:** August 3 - 7

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Lisa Dye

**Location:** Living History Farm

**Fee:** \$125

### Art of Science

Oh what fun your little ones will have making hands-on connections with art, science, and math. Explore the world through the eyes of a scientist and recreate it with the vision of an artist. We will explore symmetry and patterns in nature, investigate color, study sound, and experience the wind. Lots of time will be spent outdoors and on nature walks as we experience the art of science!

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Stacey Merritt

**Location:** Symmes Hall Lab 9

**Fee:** \$125

**Session:** 2

**Dates:** June 15 - 19

**Times:** 1:00pm - 4:00pm

**Completed Grades:** K5 and 1

**Instructor:** Kelly Wright

**Location:** Symmes Hall Lab 9

**Fee:** \$125

### Snow Much Fun

Summer fun has never been so chilly! Join us for a week filled with frozen fun. We'll make instasnow, marshmallow snowmen, frozen slime and so much more! We'll finish our week with a "snowball" fit for royalty. The cold won't bother you when you're having Snow Much Fun!

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Angela Henderson

**Location:** Symmes Hall Lab 10

**Fee:** \$125

**Session:** 2

**Dates:** July 13 - 17

**Times:** 1:00pm - 4:00pm

**Completed Grades:** K5 and 1

**Instructor:** Angela Henderson

**Location:** Symmes Hall Lab 10

**Fee:** \$125

### Jungle Tales

Come explore our thriving rainforest and meet our many jungle friends. Each day you will encounter live animals like our umbrella cockatoo, snakes and insects. Investigate our tropical plants, make your own rain stick, and enjoy other activities and games. You'll even get a tropical butterfly plant to take home! Each day of discovery will conclude with tasty tropical treats and a jungle tale!

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Anne Howell

**Location:** Rainforest Classroom

**Fee:** \$125

**Session:** 2

**Dates:** July 27 - 31

**Times:** 1:00pm - 4:00pm

**Completed Grades:** K5 and 1

**Instructor:** Anne Howell

**Location:** Rainforest Classroom

**Fee:** \$125

Looking for  
**LEGO® Robotics?**  
See Pages 15-17



## Grades K5-1

### Seussapalooza

Oh, the places we'll go!! Come on a fantastic adventure of science fun taken from the pages of Dr. Seuss favorites. There will be stories to read and fun STEM science too. We'll take a microscopic search for Who-ville and Whos, hike to the pond for fun with a turtle named Yertle and make crazy fish. We'll make Truffula Tree Treats and explore Hop on Pop Popcorn Science. Dr. Seuss is on the loose at Roper Mountain, so join us! "We'll have lots of good fun that is funny!"

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Kelly Wright

**Location:** Symmes Hall Lab 9

**Fee:** \$125

**Session:** 2

**Dates:** June 22 - 26

**Times:** 1:00pm - 4:00pm

**Completed Grades:** K5 and 1

**Instructor:** Kelly Wright

**Location:** Symmes Hall Lab 9

**Fee:** \$125

### Crafty Creators

Get ready to design, create, and have fun as we explore a new craft each day of the week! Students will be able to use their creative minds to make take-home crafts that show personality and skill. Many activities will include recycled materials, teaching students the importance and fun of recycling!

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** K5 and 1

**Instructor:** Emily Faust

**Location:** Symmes Hall Lab 10

**Fee:** \$125

**Session:** 2

**Dates:** July 20 - 24

**Times:** 1:00pm - 4:00pm

**Completed Grades:** K5 and 1

**Instructor:** Emily Faust

**Location:** Symmes Hall Lab 10

**Fee:** \$125

## Completed Grades 1-2

### Solar System Explorers FULL DAY

Your explorer will have an exciting week learning all about our solar system, constellations, and galaxies beyond our own as they make stars, moon craters, and "space globes". We'll learn about the constellations and then make a homemade planetarium to take home. Students will also study our space station and the upcoming mission to Mars. Lastly, students will make their own costumes and write their own lines for a solar system play they'll perform for you!

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 4:00pm

**Completed Grades:** 1 and 2

**Instructor:** Susan Shaw

**Location:** Symmes Hall Lab 4

**Fee:** \$275



### Animal Habitats FULL DAY

From rainforest to butterfly garden, and from pond to woodland - each day will bring new adventures as students explore a different habitat theme. We will enjoy engaging story times, creative craft projects, guided outdoor hikes, and live animal interactions. Investigation destinations include the nature trails and gardens, as well as a field trip to the wetland habitats of Conestee Nature Park.

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 4:00pm

**Completed Grades:** 1 and 2

**Instructor:** Tim Taylor

**Location:** Ecology Lab

**Fee:** \$285

*Field trip is subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*

Field Trip!



### Little House on the Farm I

What was life like for Laura Ingalls, Ma, Pa, and the rest of her family in the 1870's? We will bring these classic books to life as children try on period costumes, play parlor games, make butter, and bake over an open hearth. Campers will enjoy making their own potpourri, covered wagons, and clothes pin dolls. We will help with house, barn and garden chores, including picking garden vegetables and fruit.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 1 and 2

**Instructor:** Lisa Dye

**Location:** Living History Farm

**Fee:** \$125



### Silly Slime

Silly Slime! Goody Gak! Flubber! Kids will explore and enjoy mixing simple ingredients to make over 25 different recipes, while learning the science behind the slimy wonder. We will make magnetic slime, glow in the dark slime, scented slime, edible slime, unicorn slime, and more!

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 12noon

**Completed Grades:** 1 and 2

**Instructor:** Jennifer Brown

**Location:** Symmes Hall Lab 10

**Fee:** \$125

# Completed Grades 1-2

## Pirates and Buccaneers

Ahoy matey! Discover the world of pirates, privateers and buccaneers. Campers will explore life as a brigand, pirate language, and the pirate code of conduct. Discover how pirates used the stars to navigate the high seas. We'll hunt for treasure and uncover secrets about pirates right here in the Carolinas. Join us, or we may have you walk the plank!

**Session:** 1

**Dates:** July 20 - 24

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 1 and 2

**Instructor:** Leslie Baxley

**Location:** Marine Lab

**Fee:** \$125



## Animal Detectives

Each student will be paired with an "Animal of the Week" from our collection of live animals (such as turtles, salamanders, snakes, frogs, and mammals) as they learn about animal habits and care. As Animal Detectives, campers will also search for animal clues in our forest and pond through discovery hikes, outdoor hunts and take-home projects, including a millipede habitat.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 1 and 2

**Instructor:** Tim Taylor

**Location:** Discovery Room A

**Fee:** \$125

**Session:** 2

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 1 and 2

**Instructor:** Tim Taylor

**Location:** Discovery Room A

**Fee:** \$125

## Jurassic Giants FULL DAY

Our fascination with these giants of the past never gets old! Campers will go back in time exploring pre-history as they create their own dinosaurs in a habitat they construct. They will learn about the lives and extinction of dinosaurs, make their own fossils, and discover how paleontologists work at dig sites. They will also make a dino terrarium that they will watch grow all week. Finally, students will become a dinosaur in a dino play they will perform for you!

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 4:00pm

**Completed Grades:** 1 and 2

**Instructor:** Susan Shaw

**Location:** Paleo Lab

**Fee:** \$275

## Away We Grow

New!

Budding botanists will love learning about flowers and plants in our Rainforest, Butterfly Garden, Herb Garden and plant labs. We'll learn about all kinds of flowery friends from near and far, and make fun projects to take home.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 1 and 2

**Instructor:** Kyle Rollins

**Location:** Discovery Room B

**Fee:** \$125

## Pop, Bang, Sputter FULL DAY

Campers soak up science as they spend all day experimenting with topics such as surface tension, matter, heat and color. They will be amazed as they create rainbows, silly putty, CO2 poppers, volcanoes, oceans in a bottle and way 'cool' demonstrations. Students will love using their science senses to see how 'egg-citing' exploring science can be!

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 4:00pm

**Completed Grades:** 1 and 2

**Instructor:** Stacey Merritt

**Location:** Universe Classroom

**Fee:** \$275

## Young Engineers Academy FULL DAY

Young Engineers get ready to design and create a variety of structures, cars, flying machines, and more! In this fun-filled week, students will learn how to turn simple materials into the amazing ideas of their imaginations. They will test their designs and have the chance to change their designs for re-tests. They will also learn to work in groups to cooperate and create together.

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 4:00pm

**Completed Grades:** 1 and 2

**Instructor:** Susan Shaw

**Location:** Symmes Hall Lab 4

**Fee:** \$275

## Fairy Gardens

Welcome to the tiny magical world of fairies in our enchanting forest and gardens! Campers will learn the basics of gardening and pollination, explore our forests searching for fairy evidence, visit charming animals here on the mountain, and create numerous fairy-themed crafts. Each day campers will have a blast building their own fairy garden full of live plants and handmade clay and garden features to take home on the final day.

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 1 and 2

**Instructor:** Richane Robbins

**Location:** Discovery Room B

**Fee:** \$125

## Calling All Superheroes

New!

Have you ever wondered what it would be like to be a real superhero? This week we'll decide on our superhero names, make our own capes and masks, then complete challenges and solve puzzles as teams. We'll practice leaping, throwing, and running to conquer an obstacle course, and learn about animals with super-vision, super-smell and super-strength. Join us for a super fun week!

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 1 and 2

**Instructor:** Erin EuDaly

**Location:** Symmes Hall Lab 9

**Fee:** \$125

# Completed Grades 2–3

## Magic Tree FULL DAY House Adventure

Go back in time or to distant lands with Jack and Annie! We'll go on magical journeys to faraway lands and ages past: Ancient Greece, medieval times, Japan and to the Moon. Explore the Amazon Jungle, Ancient Rome and more through crafts, games, discovery, and imagination. We will travel to the planetarium, rainforest, marine lab, farm, Wildwood, and, of course, our tree house!

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 4:00pm

**Completed Grades:** 2 and 3

**Instructor:** Lisa Dye

**Location:** Shelter 3

**Fee:** \$275

## Down on the Farm

There's so much to learn about what's happening down on the farm! Each day we'll spend time outdoors on the Living History Farm while we have fun exploring and learning all about different aspects of farming—soils and seeds, tools and techniques, pollinators and pests, and plants and animals. Get your boots on because we have lots of ground to cover in this exciting science-oriented farm camp!

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Coby Dixon

**Location:** Living History Farm

**Fee:** \$125

## Tiny Worlds: Exploring EcoSystems

Learn all about self-sustaining ecosystems and make some, too! We'll collect lake water and examine it under microscopes to see what creatures will be living in our ecosystems and make an aquatic ecosystem (with a snail!) you can take home. Make a terrarium tiny enough to wear as a necklace! Brainstorm ideas for man-made self-sustaining ecosystems that would allow human survival on other planets and learn what living things need to survive.

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Erin EuDaly

**Location:** Ecology Lab

**Fee:** \$125

New!

## Robotix Challenge FULL DAY

Campers will become "Robonauts" to design and build model robots to undertake simulated missions including rescue, exploration and more. Challenges will include firefighting, an automated kitchen of tomorrow, repairing a space station, automating a cookie factory, diving to the Titanic, robotic Olympics, robotic animals and others. The camp will use the Robotix assembly kits which snap together, and support a wide variety of machines.

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 4:00pm

**Completed Grades:** 2 and 3

**Instructor:** Bill Bradshaw

**Location:** Conference Center

**Fee:** \$275



## Art in the Field

Campers will develop their observation skills by keeping nature field journals that we make ourselves! We'll use our journals for quick sketches and notes about plants and animals around Roper Mountain. Then we'll develop our sketches into full-color drawings, paintings, collages, etc. and really let our imaginations run wild!

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Katie Steenerson

**Location:** Universe Classroom

**Fee:** \$125

## Around the World in a Week

Fasten your seatbelts for the trip of a lifetime. Students will explore the sights, sounds, tastes, and cultures of 5 different continents in this trip around the world! Get your passport stamped in over 12 countries as you travel the world in this fun-filled week abroad. It's time for take-off!

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Donna Frank

**Location:** Symmes Hall Lab 4

**Fee:** \$125

## Let's Go Gaming

Do you love playing board games? Are you looking for something beyond Monopoly, Scrabble, and Sorry? Well, this is the camp for you! We will learn and play some fantastic modern board games that involve mechanics like drafting, worker placement, and even social deduction! Come have fun, play some games, make new friends, and get some ideas to design your very own game.

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Carrie Whitlock

**Location:** Design Lab

**Fee:** \$125

## Rainforest Rangers

Explore the live Tropical Rainforest and join in on fun, hands-on activities. Meet a tree frog and then make a fun frog mask to take home! We'll meet and hold other residents of the rainforest like tarantulas and ball pythons. We'll make animal sculptures, rain sticks and more as we investigate exotic plants and sample tropical fruits.

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

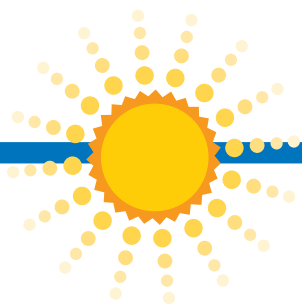
**Instructor:** Kyle Rollins

**Location:** Rainforest Classroom

**Fee:** \$125







## Completed Grades 2–3

### MiniBot University

Roll into the world of robotics with Sphero! Campers will use a Sphero Mini rolling robot to explore the world of robots and programming. Each day will bring a new challenge designed to help campers get to know their robots and how to use them. At the end of the week, campers will take their robot home with them. Android or Apple device is needed to use the Sphero Mini at home.

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Joe Blizzard

**Location:** Shelter 7/8

**Fee:** \$170

**Session:** 2

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Joe Blizzard

**Location:** Shelter 7/8

**Fee:** \$170

Looking for  
**LEGO® Robotics?**  
See Pages 15-17

### Fast Pass to Roper Mountain

Can't decide which camp you want to do? Then this camp is for you! We will spend each day on a different theme. From exploring outside on the Living History Farm to spending time in the Planetarium, each day you'll get a Fast Pass to some of the best activities at Roper Mountain Science Center!

**Session:** 1

**Dates:** July 6 - 10

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Donna Frank

**Location:** Symmes Hall Lab 10

**Fee:** \$125

### Little House on the Farm II

Campers will try their hand at the chores, crafts, and way of life that Laura Ingalls and her family experienced. We'll go herb picking, write with quill pens, clean laundry with a washboard, and cook flapjacks like Laura did. Campers will practice simple sewing, make a corn husk doll, attend an old-fashioned school lesson, and dance to music Pa played on his fiddle.

*Little House I camp is not required.*

**Session:** 1

**Dates:** July 20 - 24

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 2 and 3

**Instructor:** Lisa Dye

**Location:** Living History Farm

**Fee:** \$125

### Padawan Academy

Are you strong with the force? Star Wars and sci-fi fans are invited to come begin their own Hero's Journey! Campers will explore the world of Star Wars as they take on the role of Padawan and create and learn together. May the force be with us as we learn the ways of the Jedi and have fun in the process!

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Joe Blizzard

**Location:** Shelter 7/8

**Fee:** \$125

**Session:** 2

**Dates:** June 22 - 26

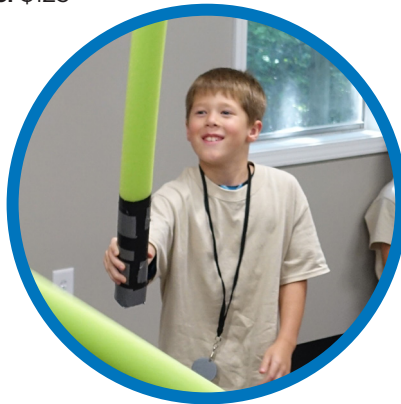
**Times:** 1:00pm - 4:00pm

**Completed Grades:** 2 and 3

**Instructor:** Joe Blizzard

**Location:** Shelter 7/8

**Fee:** \$125



## Completed Grades 3–4

### Junior Web Designers FULL DAY

There's no better way to present a school project than with a well-designed webpage! Campers will learn how to design a webpage utilizing HTML and CSS foundational coding language. In addition to basic coding concepts, students will learn skills like organizing text and data on a web page, inserting images, using different fonts and colors, creating borders, and more! Get ready to impress your teachers as you "show what you know" in the form of an awesome webpage!

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 4:00pm

**Completed Grades:** 3 and 4

**Instructor:** Matt Taylor

**Location:** Symmes Hall Lab 2

**Fee:** \$275

### Young Scientist FULL DAY

Discover the fast-paced world of motion using marble rollercoasters, balloon hovercrafts, paper airplanes, gears, wheels and axles. Students will learn about friction, gravity and Newton's laws as they have fun designing, building and experimenting with each of their creations to meet our daily challenges. Our young scientists will take home activities and materials to share.

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 4:00pm

**Completed Grades:** 3 and 4

**Instructor:** Emilye Faust

**Location:** Symmes Hall Lab 10

**Fee:** \$275

### Illusioneering

Calling future magicians! Come learn about basic illusions and the science (and trickery) behind them. Investigate magic props and even build a couple of your own. Understand the art of presenting and have a chance to be a part of a magic show on the last day. What are you waiting for? Sign up before all of the spots disappear!

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Joe Blizzard

**Location:** Symmes Hall Lab 8

**Fee:** \$125



# Completed Grades 3-4

## Marine Explorers

Explore the Marine Lab and its residents, dissect a squid, learn to identify seashells, and discover the relationships between marine animals. Learn about the deep ocean, coral reef, and coastal habitats, and how humans affect the oceans. Study a horseshoe crab and other creatures from the Marine Lab's Touch Tank.

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Laura Thomas & Lindsay Vartanian

**Location:** Marine Lab

**Fee:** \$125

**Session:** 2

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Lindsay Vartanian

**Location:** Marine Lab

**Fee:** \$125

## Camp Shakespeare FULL DAY

Journey through time to the Globe Theater as we explore some of Shakespeare's greatest works. Each day we'll focus on a different play while working on performing scenes from The Bard's legendary story *A Midsummer Night's Dream*. Along the way, we'll examine what it takes to put on a play from prop production to staging techniques.

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 4:00pm

**Completed Grades:** 3 and 4

**Instructor:** Pompey Hammontree

**Location:** Conference Center

**Fee:** \$275

## Space Adventurers

Blast off with us to explore the vast reaches of outer space. Through daily challenges we will design and create models of our own space exploration missions, including vehicles for our missions. We will visit the observatory and the planetarium, and build our own tools for making observations of the sky. We will also design, build and launch various types of rockets. Join us for this hands-on approach to learning the history and future of space exploration.

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Bob Anderson

**Location:** Astronomy Classroom

**Fee:** \$125

## Junior Rocketry

We'll construct straw rockets, launch bottle rockets, and build and launch our own Alpha III rocket! Learn all about beginning concepts in rocketry, Newton's laws of motion, basic flight principles and more during this fun-filled camp especially designed for Junior Rocketeers.

**Session:** 1

**Dates:** July 6 - 10

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Erin EuDaly

**Location:** Shelter 7/8

**Fee:** \$125

## Junior Naturalist FULL DAY

In this nature camp, students will conduct investigations through explorations and discoveries in the woods and in the waters of Roper Mountain and at Paris Mountain State Park. Junior naturalists will develop skills necessary to appreciate the outdoors and learn to read clues from nature. Inside the lab, students will practice nature ID skills, make collections, study live animals and help feed our animals.. Camp includes two field trips to Paris Mountain State Park including swimming in the park lake on Thursday!

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 4:00pm

**Completed Grades:** 3 and 4

**Instructor:** Tim Taylor

**Location:** Ecology Lab

**Fee:** \$295

*Field trip is subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*

## Virtual Vacations FULL DAY

Campers will learn about and use Google Expeditions and Zoom video-conferencing software to edit and improve our existing programs and create a video tour of Roper Mountain. Then, they will practice their new skills as they explore the world by choosing a dream destination and creating their own virtual vacation to share. Join us for the (virtual) vacation of a lifetime!

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 4:00pm

**Completed Grades:** 3 and 4

**Instructor:** Jasmin Poor

**Location:** Symmes Hall Lab 7

**Fee:** \$275

## Crazy Contraptions

This hands-on experience will put you in the innovative world of scientists and engineers to experience the invention process. We will explore the history of innovation and create chain reaction machines like those made famous by Rube Goldberg where a seemingly simple task is made unnecessarily complicated. Campers will complete engineering design challenges and will work in teams to link several different stages to make their machines complete. Your emerging creator and inner entrepreneur will shine in this fun, challenging camp!

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Val Mosher

**Location:** Symmes Hall Lab 3

**Fee:** \$125

## Go Fish!

Beginner fishers will learn about lures, baits, knot tying and rods and reels and make and use their own cane rod. Fish RMSC ponds and take a field trip to a nearby pond to experience catch and release freshwater fishing. We'll also learn about the art of gyotaku, the traditional art of Japanese fish printing. Take the bait and join us for a fun fish-filled week!!

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Greg Cornwell

**Location:** Paleo Lab

**Fee:** \$135

*Field trip is subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*





# Completed Grades 3-5

## Culinary Kids

Field Trip!

This fun camp is designed to teach a variety of cooking skills such as reading and following recipes, using measuring tools, menu planning, and food safety. This week will include preparation and cooking of appetizers, main courses, and desserts. Campers will also spend a day at Greenville Tech's Culinary Arts Institute.

**This camp is not recommended for students with food allergies.**

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** 3, 4, 5

**Instructor:** Anne Howell

**Location:** Symmes Hall Lab 9

**Fee:** \$175



**Session:** 2

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 3, 4, 5

**Instructor:** Anne Howell

**Location:** Symmes Hall Lab 9

**Fee:** \$175

*Field trip is subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*



## You've Been Slimed

Slime is cool! Slime is science! Kids will explore polymers and non-Newtonian fluids by following basic 3-4 ingredient recipes to create edible slime, thermo chromic slime, magnetic slime, glow in the dark slime, and up to 20 more slime types!

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** 3, 4, 5

**Instructor:** Jennifer Brown

**Location:** Symmes Hall Lab 10

**Fee:** \$125

## Bloxels

### Video Game Design

Bring your imagination, creativeness, and love for video games by joining our design team. Utilizing the Bloxels design kit and app, you will learn how to create and play your video game. You create and design the characters, the levels, and the actions all from your imagination which is transferred into a real game that can be shared with friends and family.

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 3, 4, 5

**Instructor:** Todd Childers

**Location:** Symmes Hall Lab 2

**Fee:** \$125

**Session:** 2

**Dates:** June 8 - 12

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 3, 4, 5

**Instructor:** Todd Childers

**Location:** Symmes Hall Lab 2

**Fee:** \$125

**Session:** 3

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 3, 4, 5

**Instructor:** Todd Childers

**Location:** Symmes Hall Lab 2

**Fee:** \$125

**Session:** 4

**Dates:** July 27 - 31

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 3, 4, 5

**Instructor:** Todd Childers

**Location:** Symmes Hall Lab 2

**Fee:** \$125

## Potions and Lotions

New!

We'll create bath and body products such as body scrubs, bath bombs, body butter, lip balms, and more. Learn about smart skincare choices and the art of aromatherapy as we learn about the chemical and physical reactions that create the products we use every day.

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 3, 4, 5

**Instructor:** Robin Walsh

**Location:** Symmes Hall Lab 10

**Fee:** \$125

## Sketch, Carve, Create

Using relief printmaking methods we will develop our art work from sketch, carve our own relief block and bring our masterpiece to life through paper and fabric printing. We will discover new terminology and relief printing methods as we experiment and add to our sketch book. Each student will create foam and carved rubber blocks. We will finish our week by printing t-shirts.

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** 3, 4, 5

**Instructor:** Kristin LaRoy

**Location:** Symmes Hall Lab 3

**Fee:** \$125



## Junior Master Gardener

Field Trip!

Use herbs to make "sun tea" and cookies, taste veggies right out of the garden, learn a rap about plants, dye your own indigo bandana and make a worm farm. Learn horticultural practices in a fun and hands-on atmosphere. We'll use the garden as a STEM exploration lab.

**Session 1:** Investigate earthworms, prepare your own treats with products from the garden, and experiment with plant propagation. We'll spend the day visiting a local farm to learn about the business of growing vegetables.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 4:00pm

**Completed Grades:** 3, 4, 5

**Instructor:** GMG Volunteers

**Location:** Shelter 3 & Gardens

**Fee:** \$180



**Session 2:** Create "Grow Greeting Cards," make a gourd bird house, and go on an insect scavenger hunt with tools you made! We'll take a fun field trip to learn about new ways to garden.

**Session:** 2

**Dates:** July 27 - 31

**Times:** 9:00am - 4:00pm

**Completed Grades:** 3, 4, 5

**Instructor:** GMG Volunteers

**Location:** Shelter 3 & Gardens

**Fee:** \$180

*Field trips are subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*

# Completed Grades 4-5

## How and Why of CSI

Field Trip!

Probe the mysteries of fingerprints, blood drops, mystery powders, DNA, bones and a variety of clues that might be found by CSI investigators. A visit to a real crime lab is planned for one day of this busy week of crime solving. Put on your thinking cap, grab a magnifying glass and dig into the evidence!

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** 4 and 5

**Instructor:** Melanie Helling

**Location:** Design Lab

**Fee:** \$135

*Field trip is subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*

## Disaster Engineering

FULL DAY

Push your skills and designs to the limits! Test how much weight your bridge can hold, how well you can control water in a flood, how to clean up an oil spill, build a hurricane resistant structure and see if your engineering abilities can withstand a simulated earthquake. We'll design, build, destroy, and build! Come use your creative skills to save the day!

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 4:00pm

**Completed Grades:** 4 and 5

**Instructor:** Susan Shaw

**Location:** Rainforest Classroom

**Fee:** \$275

## Castles & Catapults

Calling all Lords and Ladies to the round table! Discover the fascinating world of knights and the Middle Ages as teams of students design their catapult and use it to try and bring down another team's castle. We will build our own practice swords and shields with our very own coat of arms, and we will practice sword fighting and archery. We'll end our quest with a fun Medieval Faire that is open for families to attend.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 4 and 5

**Instructor:** Jenn Romatelli

**Location:** Design Lab

**Fee:** \$125



## Web Architects

FULL DAY

Learn today what you can build for the future! This course teaches campers how to use the foundational language of web site coding, HTML and CSS, to create awesome websites. By the end of the week, our architects will be able to construct a website with interactive features that gives them skills to take to their future classrooms for project based learning opportunities.

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 4:00pm

**Completed Grades:** 4 and 5

**Instructor:** Matt Taylor

**Location:** Symmes Hall Lab 2

**Fee:** \$275

## Astro Apprentice

New!

We'll travel to all the corners of the universe as we explore how big space actually is, identify and learn about constellations, become mission specialists for NASA's Artemis mission to the moon and so much more. There will be lots of hands-on activities and time spent in the T.C. Hooper Planetarium and Daniel Observatory. Join us for an out of this world experience!

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 12noon

**Completed Grades:** 4 and 5

**Instructor:** Maggie Connelly

**Location:** Universe Classroom

**Fee:** \$125

## Pioneer Apprentice

Did you ever wonder what life was like for a pioneer 200 years ago? We'll explore farm life and skills from the 1800's, as well as learning about leatherwork, candle dipping, herb gardening and hearth cooking. Campers will care for our barn animals, including our horse, cow, sheep, pig and chickens. We'll have a great time making and playing with historic toys and games. Hand-cranked ice cream will be a sweet ending to our fun week on the farm!

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 4 and 5

**Instructor:** Eve King & Dana Lackey

**Location:** Living History Farm

**Fee:** \$125

## Mythtopia

You're the hero in Mythtopia, a camp of epic exploration! We'll use elements of your favorite hero's quest story-telling, including King Arthur's Knights of the Round Table, Greek mythology and tales of legendary beasts to complete challenges. We'll end our week with an Epic Quest where campers can prove that they are worthy to be called a hero!

**Session:** 1

**Dates:** July 6 - 10

**Times:** 9:00am - 12noon

**Completed Grades:** 4 and 5

**Instructor:** Robin Walsh

**Location:** Symmes Hall Lab 8

**Fee:** \$125





# Completed Grades 4 – 6

## Wilderness Explorations

Learn the expertise, knowledge and attitude you'll need for wilderness survival and land navigation in this specialized course. We'll learn fire craft, solar stills, shelter building, knot tying, survival food, plant identification and other fundamental skills through hands-on activities. Bring your sense of adventure!

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** 4, 5, 6

**Instructor:** Glenn Sparkman

**Location:** Discovery Room B

**Fee:** \$125

**Session:** 2

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 4, 5, 6

**Instructor:** Glenn Sparkman

**Location:** Shelter 7/8

**Fee:** \$125



## Kids Yoga TADAsana

Campers will explore many aspects of yoga, including poses to strengthen and stretch the body, breathing techniques to calm, soothe and develop the emotional state. Each day will include a fun project to unleash the imagination and time spent exploring nature. This camp is led by a registered, certified Yoga Alliance teacher.

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** 4, 5, 6

**Instructor:** Callie Tourigny

**Location:** Conference Center

**Fee:** \$125

## Cheese, Please New!

Do you love cheese? We do too! In this camp, you will taste and learn about cheese, make fresh cheese, analyze exotic cheeses, and learn how different types of cheese are made. Blue Ridge Creamery, a local cheesemaker, will visit and bring samples to taste. We will compare cheeses made from goat, sheep, and cow milk. We will look at cheese (and cheese mold) under a microscope. Each day we'll fill out cheese tasting cards to help us remember what we liked!

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 4, 5, 6

**Instructor:** Erin EuDaly

**Location:** Mineral Lab

**Fee:** \$125

## Young Chefs Academy

In this advanced culinary camp, our young chefs will learn new skills each day, cook exciting new dishes and discover ways to be creative and have fun in the kitchen. From sweet desserts to savory treats, chefs will prepare a variety of menus. Guests will be invited to a sampling of everything the chefs have made.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 4, 5, 6

**Instructor:** Anne Howell

**Location:** Symmes Hall Lab 9

**Fee:** \$175

## Harry Potter Science FULL DAY

Inspired by J.K. Rowling's Harry Potter book series. Muggles are welcome to participate in this enchanting camp. After being sorted into Gryffindor, Slytherin, Ravenclaw, or Hufflepuff, you'll enter the magical world of real science. Brew amazing concoctions in Potions class. Make your own broom and compete in a Quidditch Tournament. Uncover the mysteries of amazing plants in Herbology. Explore the stars in Astronomy. Discover Fantastic Beasts. Choose a wand to suit your botanical style. At the end of the week you will earn your O.W.L. certificate by competing in a quiz contest. The winning team will be awarded the House Cup! Join us for a magical week.

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 4:00pm

**Completed Grades:** 4, 5, 6

**Instructor:** Various

**Location:** Various; Drop off and Pick Up at Symmes Hall

**Fee:** \$275



## Summer Volunteer Opportunities

We are seeking enthusiastic, committed student volunteers to help with camps this summer! Volunteers may be assigned to specific camps, early drop off, lunch bunch and/or general camp assistance as needed.

**Volunteers must:**

- Be at least 14 years old as of June 1, 2020
- Be at least 2 grades higher than the highest grade level for any camp to which they are assigned
- Commit to the entire duration of the camp to which they are assigned (not longer than 1 week)

Volunteer opportunities are limited. Students will be selected and placed into camps based on their availability and our volunteer needs. When possible, we will match volunteers with their preferred camps.

Find the volunteer application on our website at [RoperMountain.org](http://RoperMountain.org)

# Completed Grades 5-7

## Survivor Training Grounds

Do you have what it takes to survive? Learn about what humans need to survive and how to use what you can find to meet those needs. Campers will work as groups to play the ultimate game of survival and stand up to what nature throws at them!

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Ken Morrill

**Location:** Shelter 7/8

**Fee:** \$125

**Session:** 2

**Dates:** June 8 - 12

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Ken Morrill

**Location:** Shelter 7/8

**Fee:** \$125



## Early American Farm Life

Travel back in time to the 1800's Living History Farm where we will cook some delicious treats over the hearth fire, tend the vegetable garden, feed the farm animals, and perform other daily chores. Explore the world of fibers, including weaving and indigo dyeing. Have some fun playing games of the time period. Campers will create useful items with natural materials, and get to take them home. We'll end our week with old fashioned ice cream we make ourselves!

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Eve King & Dana Lackey

**Location:** Living History Farm

**Fee:** \$125

## The Great Roper Baking Show

New!

Field Trip!

Love to bake or want to learn how? Join us for a fun week where you will learn how to make and decorate cookies and cakes. We'll take a field trip to a local bakery to speak with a professional Baking Chef and utilize their kitchen. Participants will leave with a recipe book, a decorated cake, decorated cookies, and a surprise gift!

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Amy St. John & Mary Tyndall

**Location:** Symmes Hall Lab 9

**Fee:** \$175

*Field trip is subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*

## Upstate Ecology Field Studies

FULL DAY

2 Field Trips!

Students will survey and examine various wildlife found in Upstate habitats. We will be immersed in a bird walk for a half-day field trip at Lake Conestee Nature Park. Our second field trip will take us to a cool mountain creek at Table Rock State Park to collect and analyze stream invertebrates. Campers will spend plenty of time at Roper Mountain using special equipment, microscopes, and stereoscopes to examine our forest soil and pond life. Students will conduct live animal behavior studies, create nature-themed crafts, and make a large take-home "Treasures from Nature" display. The camp will conclude with a Breakout Game using the knowledge they collected throughout the week.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Richane Robbins

**Location:** Ecology Lab

**Fee:** \$295

*Field trip is subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*

## Digital Movie Making

FULL DAY

Campers will learn how to be a movie director and technician as they create a live action film in this fun-filled movie production camp. Learn how to use movie editing software along with video still images to create professional looking movies that you can share with family or friends and even gain skills to create eye-popping documentaries for your school projects! Each day is packed with filmmaking activities. Present your movie to parents in a premiere on Friday.

**Session:** 1

**Dates:** July 6 - 10

**Times:** 9:00am - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Loyd Henderson

**Location:** Astronomy Classroom

**Fee:** \$275

## Project Discovery

New!

Like to experiment? Want to make stuff stronger, lighter, faster, better? In this STEAM-focused camp, you will combine engineering, chemistry, physics and much more to explore materials in the world around you. You'll use common materials to create a golden penny, concoct polymers, grow crystals, engineer a battery from fruit and metals, and have a contest to make the strongest cement.

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** David Guy

**Location:** Astronomy Classroom

**Fee:** \$125

## Master Web Builders

Come to this camp not just to learn how to design websites, but to become a master web builder! We will accelerate through the basics to interactive web page creation. You will learn the basics of Javascript so that you can utilize this powerful coding language to create websites that not only display information, but also allow interaction between the user and the site itself. Don't become just a web builder, become a MASTER Web Builder!

**Session:** 1

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Matt Taylor

**Location:** Symmes Hall Lab 2

**Fee:** \$125



10%  
Members  
Receive  
a 10%  
Discount!

# Completed Grades 5 – 7

## Art Entrepreneurs

New!

We'll explore how art can merge with science, language, math and more to use creativity to solve practical problems. Practice forensic drawing to capture an image of a suspect, design and print your own personal logo on a T-shirt, practice perspective as you design a dream room, illustrate a story using ink and watercolors and more. Unleash your imagination and learn how you can become an art entrepreneur!!

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Bronwyn White

**Location:** Mineral Lab

**Fee:** \$125

## Rocketry

This action packed week begins with an exploration of the physics of rockets, then leads into basic concepts of rocketry. The program includes everything needed to construct and launch the three model rockets built during class. We will be using sharp tools in the building process, and model building requires patience for fine detail work. Students will receive the three rocket kits, a launch pad, launch control system, and all materials needed for one launch. Families are invited to join us for our Friday launch.

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Greg Cornwell

**Location:** Astronomy Classroom

**Fee:** \$170



## Digital Design & Create

Students will learn to create several types of digital art ranging from old school video game style pixel art to modern high resolution digital sculptures. They'll have the opportunity to use digital drawing tablets and even create some animation! Subject matter will include real-world objects, art and science reference materials, and imagination.

**Session:** 1

**Dates:** June 8 - 12

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Chris Steenerson

**Location:** Universe Classroom

**Fee:** \$125

## Ordinary to Extraordinary: Art of Recycling

Students will turn trash and other everyday objects into treasure, transforming bottle caps, duct tape, discarded records and books into beautiful works of art! Using a variety of art and craft techniques including painting, sculpture, origami and collage, the ordinary will become extraordinary. Family and friends are invited to an exhibit at the end of the session to see the finished creations.

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Bronwyn White

**Location:** Discovery Room A

**Fee:** \$125



## MovieLand FULL DAY New!

Imagine what would happen if Hagrid from Harry Potter met Groot from Guardians of the Galaxy. That's what can happen in MovieLand, a place designed and created by you! Campers will choose their favorite character, then employ design-thinking, cos-play and world-building to develop stories and adventures for them. Characters from multiple universes and fandoms will interact with each other and with outside visitors on the last day of camp. Join us in MovieLand where you create the adventure!

**Session:** 1

**Dates:** August 3 - 7

**Times:** 9:00am - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Joe Blizzard & Ken Morrill

**Location:** Shelter 7/8

**Fee:** \$275

## M.a.D. Lab 3D Printing

Make and Design Lab is the place where design and technology meet! Learn 3D computer modeling and be challenged to create and design objects, then make them using a 3D printer! Campers will explore maker activities and work as teams on real-world design challenges.

Theme Park - Design and build a working theme park

**Session:** 1

**Dates:** June 15 - 19

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Ken Morrill

**Location:** Symmes Hall Lab 8

**Fee:** \$125

Designer - Design your own creations

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Ken Morrill

**Location:** Symmes Hall Lab 8

**Fee:** \$125

Mars Challenge - Design a Mars colony

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Chris Beyerle

**Location:** Symmes Hall Lab 8

**Fee:** \$125

Designer - Design your own creations

**Session:** 2

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Chris Beyerle

**Location:** Symmes Hall Lab 8

**Fee:** \$125

Looking for  
**LEGO® Robotics?**  
See Pages 15-17





## Ages 12+

2  
Field  
Trips!

### Just Plane Fun

Interested in aviation and aerospace? Learn about aviation history, the physics of flight, and the design and maintenance of aircraft. We will spend a day at the Greenville Downtown Airport to see and work with airplanes up close, visit the air traffic control tower, go behind the scenes of an airplane maintenance shop, and work one on one with a pilot before going up on a flight! We'll also visit Byrnes High School aviation lab experiencing flight simulators and flying remote control airplanes.

**Session:** 1

**Dates:** July 6 - 10

**Times:** 12:30pm - 4:00pm

**Completed Grades:** Ages 12 and up

**Instructor:** Glenn Sparkman

**Location:** Symmes Hall Lab 10

**Fee:** \$220

*Field trip is subject to availability of venue and may be cancelled or changed due to weather or other extenuating circumstances.*

### Laugh Factory

#### Creating Comedy Gold

Do you love to make people laugh? This camp is an introduction to improvising a comedy scene focusing on fundamentals of agreement, relationship, character, and environment. Showcase your new skills with a performance for family and friends on the final day of class. Instructor Harrison Brookie is the executive producer and artistic director of the Alchemy Comedy Theater here in Greenville. No previous theater or improv experience required.

**Session:** 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** Ages 12 and up

**Instructor:** Harrison Brookie

**Location:** Auditorium

**Fee:** \$125

### VEX IQ

New!

Are you a maker, a problem solver and like to get hands-on? Campers will experiment with a snap together robot operated by using both a controller and simple autonomous programming. Design, build and optimize a VEX IQ robot to solve exciting engineering challenges like the High Rise challenge and a robot skills competition.

**Session:** 1

**Dates:** July 20 - 24

**Times:** 1:00pm - 4:00pm

**Completed Grades:** Ages 12 and up

**Instructor:** Chris Beyerle

**Location:** Symmes Hall Lab 7

**Fee:** \$125

### Advanced Rocketry

Take your model rocket building skills to the next level. This camp is recommended for students who have taken Rocketry or have other previous experience with detailed model building. We will build three rockets that are more advanced than those built in the Rocketry camp. Campers will use sharp tools and spray paint, and will need patience and determination for fine detail work. On the last day of camp, weather permitting, we will travel to a nearby open field to launch our rockets. Launch pads will be provided for launch day, but are not included for take home in this camp.

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 12noon

**Completed Grades:** Ages 12 and up

**Instructor:** Jenn Romatelli

**Location:** Astronomy Classroom

**Fee:** \$170

### Advanced Digital FULL DAY Movie Making

Campers will work with video editing software to create special effects, video overlays, and basic motion graphics. Emphasis will be on story-telling using quality editing techniques. Explore green-screening, color filters, sound FX, voice-overs and narration, audio mixing, and titling. Each day will be focused on another tool to use in making digital movies. Present your movie to parents in a premiere on Friday. *Digital Movie Making recommended but not required.*

**Session:** 1

**Dates:** July 13 - 17

**Times:** 9:00am - 4:00pm

**Completed Grades:** Ages 12 and up

**Instructor:** Loyd Henderson

**Location:** Astronomy Classroom

**Fee:** \$275

### VEX Robotics Beginner

In this advanced robotic design session, campers will design, build, and optimize a metal VEX Educational robot and learn the basic fundamentals of how to operate, program and control it. Campers will see what it takes to make a robot successful through exciting autonomous and joystick controlled challenges.

**Session:** 1

**Dates:** July 13 - 17

**Times:** 1:00pm - 4:00pm

**Completed Grades:** Ages 12 and up

**Instructor:** Chris Beyerle

**Location:** Symmes Hall Lab 7

**Fee:** \$125

### Creative Carpentry

It's tool time! Whether you're mom and dad's handy helper or an experienced weekend fort builder, this camp will teach you how to apply real-life woodworking skills to fun projects. After completing a safety skills assessment, we'll use tools like hand saws, drill drivers, files, hammers, clamps, orbital sanders, a miter saw, a palm router, a drill press, and a shaper to make a birdhouse, ping pong ball shooter and a name carved plaque.

*Prior to camp start, parents must complete a "Safety Release and Permission to Use the Tools & Machines" form.*

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** Ages 12 and up

**Instructor:** Rick Schwartz

**Location:** Astronomy Classroom

**Fee:** \$135

**Session:** 2

**Dates:** July 27 - 31

**Times:** 1:00pm - 4:00pm

**Completed Grades:** Ages 12 and up

**Instructor:** Rick Schwartz

**Location:** Astronomy Classroom

**Fee:** \$135

### Drone Tech Flight School

Pilots ready! Enter the exciting world of drone technology. You will learn how to build, fly, and repair a first person view (FPV) racing drone. From soldering the components to the maiden flight, and various challenges, campers will learn about electronics and robotics in a new and exciting way.

**Session:** 1

**Dates:** June 15 - 19

**Times:** 9:00am - 12noon

**Completed Grades:** Ages 12 and up

**Instructor:** Dave Schlitter & Ken Morrill

**Location:** Conference Center

**Fee:** \$150

**Session:** 2

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** Ages 12 and up

**Instructor:** Ken Morrill & Glenn Sparkman

**Location:** Astronomy Classroom

**Fee:** \$150

# Boy Scout Merit Badges

The NOVA Award program consists of individual activity elements in various STEM (Science, Technology, Engineering, Math) topics that are designed to encourage interest and to increase participation in STEM by making it relevant and fun! Register for as many Merit Badge Camp classes as you wish. Classes are taught by professional staff instructors in exciting science labs. Most badge requirements should be met. Scouts should read the merit badge pamphlet prior to the class and bring the pamphlet to the class. Wear your Class B uniform, if possible.

## Environmental Science FULL DAY

This full day class will include a field study trip to Lake Conestee Nature Park and studies at Roper Mountain. Some follow-up work will be due back after this class.

Prior to the class, complete requirement #2 and #3f (1 or 2) if possible and bring to class to help complete this merit badge.

**Session:** 1

**Dates:** Monday, June 8

**Times:** 8:30am - 4:00pm

**Completed Grades:** 6, 7, 8, 9, 10, 11

**Instructor:** Tim Taylor

**Location:** Ecology Lab/Offsite

**Fee:** \$75



## Reptiles/Amphibians

This study will use live reptiles and amphibians from our displays. We will also go to our ponds and woods to see live "herps." Prior to the class, complete requirement #8 if possible and bring records to class to complete this merit badge.

**Session:** 1

**Dates:** Wednesday, June 3

**Times:** 1:00pm - 5:00pm

**Completed Grades:** 6, 7, 8, 9, 10, 11

**Instructor:** Tim Taylor

**Location:** Discovery Room A

**Fee:** \$45



## Insect Study

Catch and observe insects in our gardens for a scrapbook. Learn about the life cycles of butterflies and bees through our displays. Classify and identify insects with real specimens.

**Session:** 1

**Dates:** Tuesday, June 2

**Times:** 1:00pm - 5:00pm

**Completed Grades:** 6, 7, 8, 9, 10, 11

**Instructor:** Tim Taylor

**Location:** Discovery Room A

**Fee:** \$45

## Forestry

Collect and identify common tree leaves for your field notebook. Study tree cross-sections and learn about forest management with the aid of a forester.

**Session:** 1

**Dates:** Monday, June 22

**Times:** 8:30am - 12:30pm

**Completed Grades:** 6, 7, 8, 9, 10, 11

**Instructor:** Tim Taylor

**Location:** Discovery Room A

**Fee:** \$45

## Early Drop-off

- For campers attending half or full day camps that begin at 9:00am
- Campers will meet at Symmes Hall of Science (top of the mountain) beginning at 7:30am This will not be structured time.
- Early drop-off campers must arrive by 8:30am (Arrivals after 8:30am should report directly to their camp location.)
- Pre-registration is required by the Wednesday before the start of your camp week and payment must be received prior to the start of your camp week.
- Cost is \$45 per week, no member discount.
- No refunds for cancellations received later than 7 days before camp start.

## Lunch Bunch

- Supervised lunch stay between your morning and afternoon camps.
- Campers must bring their own lunch - **no food is provided!**
- No structured activities will be provided.
- Participants in full day camps should not sign up for Lunch Bunch as supervised lunch is part of their full day program.
- Pre-registration is required by the Wednesday before the start of your camp week and payment must be received prior to the start of your camp week.
- Cost is \$30 per week, no member discount.
- No refunds for cancellations received later than 7 days before camp start.



# LEGO® Robotics

## Which LEGO® Robotics camp is right for your student?

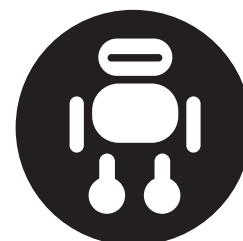
The chart below is a handy reference guide to all the robotics camps we offer. Campers may only register for age appropriate camps; no age exceptions will be made. "Grade" refers to the school grade your student will complete this year and/or the age corresponding to that year.

	No Experience Required	Experience Preferred	WeDo 1.0 Platform	WeDo 2.0 Platform	NEW! Spike Prime Platform	EV3 Platform	Focus on Building	Focus on Programming	Advanced Programming
<b>Beginner Robotics</b> Grades 1, 2	•		•				•	•	
<b>Lego Design Engineer</b> Grades 2, 3	•			•			•	•	
<b>Ultimate Lego Builds &amp; Bots</b> Grades 2, 3	•		•				•		
<b>Inventioneering Adventures</b> Grades 3, 4	•				•		•	•	
<b>Robot Builder Boot Camp</b> Grades 4, 5	•					•	•		
<b>Robot Academy</b> Grades 4, 5, 6	•					•		•	
<b>Sumo Bot</b> Grades 5, 6, 7		•				•	•	•	•
<b>Mission to Mars</b> Grades 5, 6, 7	•					•		•	•
<b>Robot Inventor</b> Grades 5, 6, 7	•					•	•	•	

## Beginner Robotics

Time for an early introduction to robotics! Using the LEGO® WeDo robotics kits and software, campers will build several different robots including an alligator, a rescue airplane, a toy spinner and more! Using motors and sensors, campers will build and program robots to complete actions and behaviors. Drag and drop software provides an easy-to-use programming environment suitable for beginners.

<b>Session: 1</b> <b>Dates:</b> June 8 - 12 <b>Times:</b> 1:00pm - 4:00pm <b>Completed Grades:</b> 1 and 2 <b>Instructor:</b> Kim Roberts <b>Location:</b> Symmes Hall Lab 1 <b>Fee:</b> \$125	<b>Session: 3</b> <b>Dates:</b> June 22 - 26 <b>Times:</b> 9:00am - 12noon <b>Completed Grades:</b> 1 and 2 <b>Instructor:</b> Kathie Fox <b>Location:</b> Symmes Hall Lab 1 <b>Fee:</b> \$125	<b>Session: 5</b> <b>Dates:</b> July 13 - 17 <b>Times:</b> 9:00am - 12noon <b>Completed Grades:</b> 1 and 2 <b>Instructor:</b> Jenine Williams <b>Location:</b> Symmes Hall Lab 1 <b>Fee:</b> \$125	<b>Session: 7</b> <b>Dates:</b> August 3 - 7 <b>Times:</b> 9:00am - 12noon <b>Completed Grades:</b> 1 and 2 <b>Instructor:</b> Kathie Fox <b>Location:</b> Symmes Hall Lab 1 <b>Fee:</b> \$125
<b>Session: 2</b> <b>Dates:</b> June 15 - 19 <b>Times:</b> 1:00pm - 4:00pm <b>Completed Grades:</b> 1 and 2 <b>Instructor:</b> Kathie Fox <b>Location:</b> Symmes Hall Lab 1 <b>Fee:</b> \$125	<b>Session: 4</b> <b>Dates:</b> July 6 - 10 <b>Times:</b> 9:00am - 12noon <b>Completed Grades:</b> 1 and 2 <b>Instructor:</b> Kathie Fox <b>Location:</b> Symmes Hall Lab 1 <b>Fee:</b> \$125	<b>Session: 6</b> <b>Dates:</b> July 20 - 24 <b>Times:</b> 1:00pm - 4:00pm <b>Completed Grades:</b> 1 and 2 <b>Instructor:</b> Kim Roberts <b>Location:</b> Symmes Hall Lab 1 <b>Fee:</b> \$125	







# LEGO® Robotics



## Lego Design Engineer

Using the LEGO® Wedo 2.0 kits and software, campers will build creative robots with the opportunity to design their own modifications to the robot and programming. Lego Design Engineers will use their robots to enter real-world scenarios including a rescue helicopter, plants and pollinators, and prevent a flood with a robot controlled flood gate. This camp builds on our Beginner Robotics program and is recommended for students who are interested in creative challenges in programming and basic building.

### Session: 1

**Dates:** July 6 - 10

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 2 and 3

**Instructor:** Coby Dixon

**Location:** Symmes Hall Lab 1

**Fee:** \$125

### Session: 2

**Dates:** July 20 - 24

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Kathie Fox

**Location:** Symmes Hall Lab 1

**Fee:** \$125

### Session: 3

**Dates:** July 27 - 31

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 2 and 3

**Instructor:** Kathie Fox

**Location:** Symmes Hall Lab 1

**Fee:** \$125

## Ultimate Lego Builds & Bots\*

\*Formerly WeDo Advanced Ready to take your LEGO® robotics building to the next level? This camp is for you! Campers will build larger and more complex robots including a tower crane, a ferris wheel and a remote control car! Students will also design their own themed working robots to share with their classmates. This camp builds on our Beginner Robotics program and is recommended for students who love building and are interested in learning basic programming.

### Session: 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Kim Roberts

**Location:** Symmes Hall Lab 1

**Fee:** \$125

### Session: 2

**Dates:** June 15 - 19

**Times:** 9:00am - 12noon

**Completed Grades:** 2 and 3

**Instructor:** Coby Dixon

**Location:** Symmes Hall Lab 1

**Fee:** \$125

### Session: 3

**Dates:** June 22 - 26

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 2 and 3

**Instructor:** Coby Dixon

**Location:** Symmes Hall Lab 1

**Fee:** \$125

### Session: 4

**Dates:** July 13 - 17

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 2 and 3

**Instructor:** Jenine Williams

**Location:** Symmes Hall Lab 1

**Fee:** \$125



## Inventioneering Adventures

New!

Invention Challenges+ You as the Engineer= Inventioneering! Using the NEWEST LEGO Spike Prime kits, you'll design and build LEGO robots for challenging scenarios. Learn how to control motors and use sensors to collect data. Once you master the basics, we'll move to more advanced design challenges! How can you design and build a handheld grabber tool? An automated guided bot? A bot without wheels? A safe that unlocks based on your code? We'll learn and apply physical science and math principles along the way!

### Session: 1

**Dates:** June 22 - 26

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Coby Dixon

**Location:** Symmes Hall Lab 7

**Fee:** \$125

### Session: 2

**Dates:** July 13 - 17

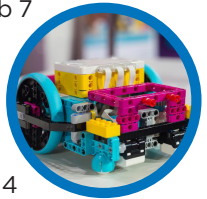
**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Carrie McConnell

**Location:** Symmes Hall Lab 2

**Fee:** \$125



### Session: 3

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 3 and 4

**Instructor:** Val Mosher

**Location:** Symmes Hall Lab 1

**Fee:** \$125

## Robot Builder Boot Camp

Calling all LEGO® robot builder enthusiasts! We're looking for a few good recruits to come join our ranks to build some amazingly awesome bots. These are not your little brother or sister's robots! Ready to rock n' roll? Build a robotic guitar! Do you doodle? Build a Doodle-Bot! Or are you inspired by nature? We even have puppy and bunny bots. Of course, no bot boot camp would be complete without a reptilian raptor complete with fangs! Build, play, explore! Booyah!

### Session: 1

**Dates:** August 3 - 7

**Times:** 9:00am - 12noon

**Completed Grades:** 4 and 5

**Instructor:** Coby Dixon

**Location:** Symmes Hall Lab 8

**Fee:** \$125

**10% Members Receive a 10% Discount!**



# LEGO® Robotics

## Robot Academy

Campers will be introduced to the LEGO® EV3 robotics technology. They will work in teams to build and program a robot to accomplish missions in the Green City challenge. Concepts taught include basic moving, turning, and introduction to the EV3 sensors. This is an introductory robotics camp designed for beginners.

**Session:** 1

**Dates:** June 8 - 12

**Times:** 9:00am - 12noon

**Completed Grades:** 4, 5, 6

**Instructor:** Coby Dixon

**Location:** Symmes Hall Lab 7

**Fee:** \$125

**Session:** 2

**Dates:** June 8 - 12

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 4, 5, 6

**Instructor:** Coby Dixon

**Location:** Symmes Hall Lab 7

**Fee:** \$125

## Sumo Bot

Robots Sumo Style! Campers will work in teams to design, build, and program their "bot" using the touch, light and/or ultra-sonic sensors then challenge another robot in a "Sumo Style" wrestling match (no destruction please!). Teams will work throughout the week to re-design their Sumo bots and the week will culminate with a Sumo bot tournament.

**Session:** 1

**Dates:** July 27 - 31

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Matt Taylor

**Location:** Symmes Hall Lab 7

**Fee:** \$125



**Session:** 2

**Dates:** July 27 - 31

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Matt Taylor

**Location:** Symmes Hall Lab 7

**Fee:** \$125

## Mission to Mars

Learn to design and build robotic rovers that traverse "terrain" and sample the red planet's ecosystem using Lego Mindstorms EV3 platform. We will map the different Mars rover landing and use real world challenges. Students are challenged to use design thinking to solve unexpected challenges they encounter on their mission. Join us as we study the red planet!

**Session:** 1

**Dates:** July 6 - 10

**Times:** 9:00am - 12noon

**Completed Grades:** 5, 6, 7

**Instructor:** Carrie McConnell

**Location:** Symmes Hall Lab 7

**Fee:** \$125

**Session:** 2

**Dates:** July 6 - 10

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Carrie McConnell

**Location:** Symmes Hall Lab 7

**Fee:** \$125

## Robot Inventor

Can you design a robot to take someone up the stairs or draw a picture? Creativity and programming meet in this camp! Using EV3 Robotics, students will work in teams of two to design, build, and program robots to achieve tasks, complete challenges and take their design thinking skills to the next level.

**Session:** 1

**Dates:** June 22 - 26

**Times:** 1:00pm - 4:00pm

**Completed Grades:** 5, 6, 7

**Instructor:** Matt Taylor

**Location:** Symmes Hall Lab 7

**Fee:** \$125

**Support Roper Mountain and enjoy benefits by becoming a member!**

### Benefits Include:

- Free admission to Second Saturdays, Starry Nights, Butterfly Adventure, and Summer Planetarium Shows
- Discounted admission to Planetarium Laser Shows
- Summer Camp early notification, discounts and early registration
- Program and events discounts as noted on the website
- Admission to over 300 science centers and museums world wide. Visit the Association of Science-Technology Centers and choose Passport Program to find participating facilities

**Become a member by visiting [RoperMountain.org](http://RoperMountain.org).**



**Register Online**  
[RoperMountain.org](http://RoperMountain.org)



## OUR COMMUNITY PARTNERS

We gratefully acknowledge these individuals, foundations, organizations and corporations whose annual gifts have helped to support Roper Mountain Science Center.

### VISIONARY - \$20,000+

Duke Energy Foundation  
Fluor Foundation  
Greater Greenville Sanitation  
Greenville Water  
John I. Smith Charities  
The Jolley Foundation  
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Michelin Charity Golf Tournament  
Piedmont Arthritis Clinic, PA  
ScanSource  
Symmes Foundation

### EXPLORER - \$15,000

GE  
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Bill and Jean Schmidt

### VOYAGER - \$10,000

BMW Manufacturing  
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### ADVENTURER - \$5,000

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### INNOVATOR - \$2,500

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Darrell and Georgia Harrison  
JSP Fuels LLC  
Les and Kay Knight  
Daniel and Laurie Theriot Roley  
Jim and Barbara Street

### CREATOR - \$500

Elaine Brummett  
Adrian and Angela Clapp  
Jeff and Mary Lawson  
Brian and Kelly McSharry  
Clayton and Summer Multer  
Brenda Russell  
Dick and Caroline Stewart

To join this list of partners,  
visit [RoperMountain.org](http://RoperMountain.org)  
to learn more.

### BUILDER - \$150

Joe and Malinda Augustine  
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Steve Byas and Jony Bolinger  
Galen and Sarah Burdeshaw  
Joseph and Sheree Chandrl  
Sung and Megan Chong  
Julia & Deborah Crenshaw  
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Yolanda and J. Beth Giovannetti  
Tom and Linda Hamilton  
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Stefan Voss  
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- Discounted admission to Planetarium Laser Shows
- Summer Camp early notification, discounts and early registration
- Program and events discounts as noted on the website
- Admission to over 300 science centers and museums world wide. Visit the Association of Science-Technology Centers and choose Passport Program to find participating facilities

**Visit [RoperMountain.org](http://RoperMountain.org) to join today!**





# Summer Adventures Planetarium Shows

GIANT DOME THEATER AND HOOPER PLANETARIUM

Each show features a thrilling full-immersion image on our 50-foot dome screen with surround sound, and includes the popular Spacepark 360 Virtual Rollercoaster.

Buy tickets online at [RoperMountain.org](http://RoperMountain.org). Seating is limited. Pre-purchase is recommended! \$5.00 per adult or child, per program, FREE for RMSC members. Tickets are non-refundable.

Tuesday		Wednesday		Thursday	
<b>July 14</b>	10:30 - Earth, Moon, and Sun 1:30 - Astronaut	<b>July 15</b>	10:30 - Earth, Moon, and Sun 1:30 - Astronaut	<b>July 16</b>	10:30 - Earth, Moon, and Sun 1:30 - Astronaut
<b>July 21</b>	10:30 - Little Star 1:30 - Dynamic Earth	<b>July 22</b>	10:30 - Little Star 1:30 - Dynamic Earth	<b>July 23</b>	10:30 - Little Star 1:30 - Dynamic Earth
<b>July 28</b>	10:30 - Magic Tree House 1:30 - Habitat Earth	<b>July 29</b>	10:30 - Magic Tree House 1:30 - Habitat Earth	<b>July 30</b>	10:30 - Magic Tree House 1:30 - Habitat Earth
<b>August 4</b>	10:30 - One World: One Sky 1:30 - Cosmic Colors	<b>August 5</b>	10:30 - One World: One Sky 1:30 - Cosmic Colors	<b>August 6</b>	10:30 - One World: One Sky 1:30 - Cosmic Colors

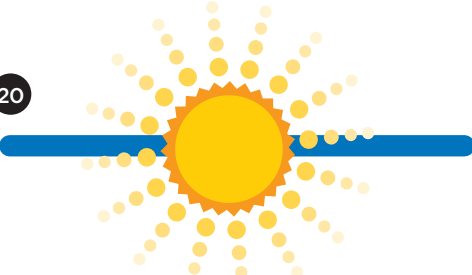


## Butterfly Adventure June 9 – July 10 9:00am – 3:00pm • Tuesday – Saturday

Be amazed with an up close encounter as hundreds of butterflies surround you in our butterfly adventure habitat. Buy tickets online at [RoperMountain.org](http://RoperMountain.org). Pre-purchase is recommended! \$8.00 per adult, \$7.00 per child (age 4-12), FREE for RMSC members and children 3 and under. Tickets are non-refundable.



- Surround yourself with hundreds of butterflies as you experience our Butterfly Adventure habitat
- Explore our Natural Science habitats: Rainforest, Ecology Lab, Marine Lab, and Discovery Rooms
- Step back in time with a visit to the Living History Farm
- Have fun in WildWood, our natural play area
- Visit our website for a complete schedule of special activities and programming



## Roper Mountain

### Everyday science with extraordinary fun!

Roper Mountain exists because of a unique partnership of public ownership, corporate sponsorship, private support, and volunteers. During the school year, 400-600 students visit Roper Mountain every day for immersive "learning labs."

Public programs at the Center are **Friday Starry Nights** and the **Second Saturday** public day. In the summer, we also offer our **Butterfly Adventure** and **Summer Adventures** in the Planetarium. See page 19 for show information.

**Visit [RoperMountain.org](http://RoperMountain.org) for more program information and to buy tickets.**

### Our Vision

To be a pinnacle of innovative learning, an engine for community engagement, and a national leader in science education

### Our Mission

To ignite the natural curiosity of all learners to explore and shape their world

### Our Beliefs

- Science is for everyone.
- Science is exploring, investigating, and innovating.
- The exploration of our past, present, and future strengthens insight and provides new perspectives.
- We are stewards of natural, cultural, and historical resources.
- Positive learning experiences promote the development of an informed society.
- Hands-on experiences with real world connections make learning challenging and fun.
- All students deserve opportunities to actively participate in our programs.
- An engaged community of partners and volunteers fosters innovative learning experiences.
- Education, business, and community collaborations make us stronger and more effective.
- Continuous improvement is vital to our success.



## Roper Mountain

### • **Butterfly Adventure - June 9 - July 10**

Tuesday - Saturday, 9:00am - 3:00pm

Paid Admission Required

Free for RMSC Members

### • **Summer Adventures in the Planetarium**

Tuesday, Wednesday & Thursday, July 14 - August 6

\$5.00 per ticket (adult or child) per program

Free for RMSC Members

See page 19 for show information



## Friday Starry Nights

### Planetarium showtimes include:

- Feature Presentation
- Live Sky Talk
- Spacepark 360 Virtual Rollercoaster
- Observatory viewing available (weather permitting).



## Second Saturday

Second Saturdays showcase different special events or themes during select months.

### This year's topics include:

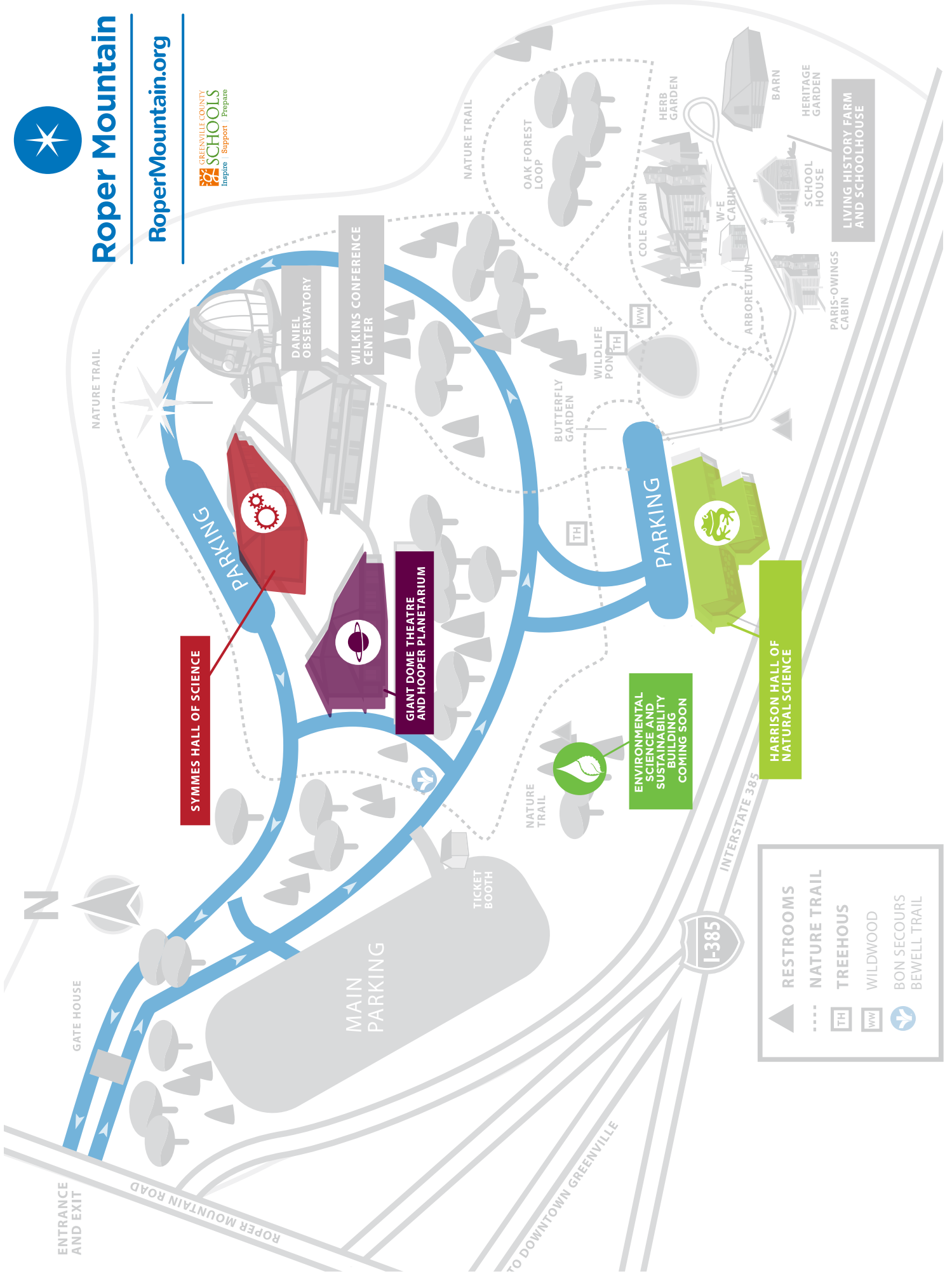
- STEMfest - February 8
- Space Day - March 14
- Blueberry Festival - July 11
- TBD - October 10
- Fall Harvest Festival - November 14

**Event hours:** 9:00am - 3:00pm on the 2nd Saturday of select months.



# Roper Mountain

[RoperMountain.org](http://RoperMountain.org)



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RESTROOMS

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NATURE TRAIL

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TREEHOUSE

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BON SECOURS  
BEWELL TRAIL





## Roper Mountain

A 402 Roper Mountain Road  
Greenville, SC 29615

P 864.355.8900 F 864.355.8948

[RoperMountain.org](http://RoperMountain.org)



### Register Online at [RoperMountain.org](http://RoperMountain.org)

#### Members only online registration

Monday, February 17 and Tuesday, February 18

Monday, February 17 is online registration only, beginning 7:00am No walk-in registration.

#### Public registration opens online

Wednesday, February 19 at 8:00am

### On-site (Walk-in) Registration

Online registration is preferred, but on-site (walk-in) registration is available February 18 for members, and starting February 19 for non-members at Symmes Hall of Science from 10:00am - 2:15pm. If paying with cash, please bring exact amount; no change is available.

**No on-site camp registrations will be processed after 2:30pm.**



## Roper Mountain

### Summer 2020

Activity-based camps that mix learning and fun!

[RoperMountain.org](http://RoperMountain.org)

