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

Register Online at RoperMountain.org

Members only online registration Monday, March 7 through Tuesday, March 8

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

Public registration opens online Wednesday, March 9 at 8:00am.



Summer Adventure June 1 - August 6, 2022

- Explore our new building & exhibits
- Encounter traveling exhibit "Mystery of the Mayan Medallion"
- Pet a stingray in our Marine Lab
- Discover our Living History Farm
- New Outdoor Dinosaur Trails
- And so much more...



Be Mountain Science

Somer Exploration Composition

Roper Mountain

Summer 2022

Activity-based camps that mix learning and fun!

RoperMountain.org



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. Safety protocols will be put in place based upon current CDC guidelines.

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 12 students or less.

Fees: See camp descriptions.

Full Day Camps: Campers will be provided with lunch and drink at no charge, but may choose to bring their own lunch each day. 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 & Extended Lunch Stay: page 11

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 are 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 denoted in the guide. We have reduced the size of our classes which will enable us to have intimate, small group experiences with our amazing instructors as well as maintain safe operating protocols. In addition, our fun and educational camps will be either half-day mornings (with lunch stay and early drop off available) and full-day, so that different camps are not sharing the same space and deep cleaning can occur daily. Don't miss out on early member registration since there are consequently less spaces.

Back this year will be our expanded public access to Roper Mountain with our 10 week Summer Adventure featuring the new 29,000 square foot Environmental Science and Sustainability building showcasing the travelling exhibit "Mystery of the Mayan Medallion" as well as three permanent exhibits: Our Water Story, Sustainable Future, and the Nature Exchange. Summer Adventure will begin Wednesday, June 1 through Saturday August 6th, and will give you an opportunity to experience our new exhibits and building, explore a new outdoor Dinosaur Trail, as well visit Harrison Hall, Wildwood and the Living History Farm. Summer Adventure is open Tuesday through Saturday, 10:00am to 4:00pm. Laser Days of Summer will also return to the Planetarium – more details will be available regarding shows and schedule soon.

Please visit our website at RoperMountain.org for a full schedule of events and for ticket information.

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	2
Completed Grades 1 - 2	
Completed Grades 2 - 3	4, 5
Completed Grades 3 - 4	6, 7
Completed Grades 4 – 5	7, 8
Completed Grades 5 - 7	9, 10
Ages 12+	11
LEGO® Robotics	12, 13

Completed Grades K4–K5

Very Hungry Caterpillar

Based on the Eric Carle book, *The Very Hungry Caterpillar*, campers will explore caterpillars and compare what they eat in the book to our host plants here in South Carolina. We will visit the Butterfly Garden and other locations on the mountain and look for signs of butterflies and caterpillars. We will also learn about the life stages of a butterfly and create 3D models to represent each stage.

Session: 1

Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: K4 and K5 Instructor: Leslie Baxley Location: Symmes Hall Lab 2 Fee: \$130



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 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 6 - 10 Times: 9:00am - 12noon Completed Grades: K4 and K5 Instructor: Jasmin Poor Location: Symmes Hall Lab 8 Fee: \$130

Session: 2 Dates: June 13 - 17 Times: 9:00am - 12noon Completed Grades: K4 and K5 Instructor: Jasmin Poor Location: Symmes Hall Lab 8 Fee: \$130

Activate Creature Powers

What are "creature powers?" All of the special skills and cool characteristics of animals! Join us while we search for animals at Roper Mountain and discover their unique abilities. We will craft some of their cool characteristics for ourselves and use our imagination to activate creature powers! **Session:** 1 **Dates:** June 27 - July 1 **Times:** 9:00am - 12noon **Completed Grades:** K4 and K5

Location: Symmes Hall Lab 9 Fee: \$130

Session: 2

Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: K4 and K5 Instructor: Erin EuDaly Location: Symmes Hall Lab 9 Fee: \$130

Octonaut's Ocean

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 visit 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: June 20 - 24 Times: 9:00am - 12noon Completed Grades: K4 and K5 Instructor: Leslie Baxley Location: Paleo Lab Fee: \$130



Mermaids and Monsters

From Mermaids to the Loch Ness Monster, campers will have fun looking for clues that these mythical creatures may exist in the world around us. Students will be encouraged to use their imagination while participating in fun crafts and activities like making seashell necklaces, unicorn cloud dough, and sea monster slime, and more! **Session:** 1

Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: K4 and K5 Instructor: Ashley Zalabak Location: Mineral Lab Fee: \$130



Discount!



New

Completed Grades K5–1

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 11 - 15 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Angela Henderson Location: Symmes Hall Lab 4 Fee: \$130

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 13 - 17 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Madison Mann Location: Mineral Lab Fee: \$130

Session: 2 Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Madison Mann Location: Symmes Hall Lab 4 Fee: \$130

Looking for LEGO® Robotics? See Pages 12-13

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: July 25 - 29 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Erin EuDaly Location: Symmes Hall Lab 9 Fee: \$130

Mini Makers

Using our creative mind and hands-on exploration method, we will have fun creating works of art. 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 6 - 10 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Kristin LaRoy Location: Symmes Hall Lab 3/5 Fee: \$130

Session: 2

Dates: July 25 - 29 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Kristin LaRoy Location: Symmes Hall Lab 3/5 Fee: \$130



Jurassic Giants

We'll go back in time exploring prehistory as we create our own dinosaurs in a habitat we construct. We'll learn about the lives and extinction of dinosaurs and make our own fossils. Students will make a dino terrarium that we'll watch grow all week and have fun with daily crafts. The fun continues as campers become dinosaurs in a play they will perform! **Session:** 1

Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Susan Shaw Location: Symmes Hall Lab 9 Fee: \$130

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. We'll sit on the hay to hear funny farm stories and run in the pasture to play silly farm games! There'll be cool critter crafts to create and plants to pot up and take home. Put your boots on and come on down to the farm! **Session:** 1

Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Dana Lackey Location: Living History Farm Fee: \$130

Session: 2 Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: K5 and 1 Instructor: Lisa Dye Location: Living History Farm Fee: \$130



Completed Grades 1–2

Solar System Explorers

Our explorers will have an exciting week learning all about our solar system, constellations, and galaxies beyond our own as they make stars, moon craters, space shuttles, and rockets. We will study the space station and our upcoming mission to Mars. Students will take all they have learned to make their own costumes and write their own lines for an "all-star" solar system play that they will perform! **Session:** 1

Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Susan Shaw Location: Conference Center Fee: \$130



Kitchen Chemistry

Using common items from the kitchen, we'll examine and create fun and interesting mixtures and solutions. We'll make our own play dough, make super bubbles and more as we explore how we can find science in our very own homes!

Session: 1 Dates: June 13 - 17 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Kyle Rollins Location: Universe Classroom Fee: \$130

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 20 - 24 Times: 9:00am - 4:00pm Completed Grades: 1 and 2 Instructor: Stacey Merritt Location: Symmes Hall Lab 10 Fee: \$285

Silly Slime

Silly Slime! Gooey 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 13 - 17 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Jennifer Brown Location: Astronomy Classroom Fee: \$130

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 do take-home projects, including a millipede habitat.

Session: 1

Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Tim Taylor Location: Discovery Room A Fee: \$130

Session: 2 Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Tim Taylor Location: Discovery Room A Fee: \$130

Away We Grow

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 18 - 22 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Kyle Rollins Location: Universe Classroom Fee: \$130

Young Engineers Academy

Get ready to design and create a variety of structures, flying machines, robots, 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. Learning the engineering process has never been so much fun!

Session: 1

Dates: July 25 - 29 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Susan Shaw Location: Symmes Hall Lab 8 Fee: \$130

Calling All Superheroes

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. We'll practice leaping, throwing, and running to conquer an obstacle course, and learn about animals with super-vision, super-smell and superstrength. Join us for a super fun week! **Session:** 1

Dates: June 6 - 10 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Erin EuDaly Location: Symmes Hall Lab 10 Fee: \$130



Completed Grades 1-2

Mini Meteorologists

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. We'll end our week by re-enacting our favorite weather conditions as minimeteorologists.

Session: 1 Dates: July 25 - 29 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Leslie Baxley Location: Astronomy Classroom Fee: \$130

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 we play schoolyard 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 11 - 15

Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Lisa Dye Location: Living History Farm Fee: \$130

Science Sleuths

Join us for a week of discovery as we explore all the different parts of Roper Mountain. We will examine the past as we learn about science in the 1800s, the present as we design and build our own roller coasters, and the future of science with the exploration of space! Throughout our week we will complete hands-on investigation activities as we become Science Sleuths! **Session:** 1

Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Amy St. John Location: Conference Center Fee: \$130

Completed Grades 2-3

Magic Tree FULL DAY House Adventure

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 25 - 29 Times: 9:00am - 4:00pm Completed Grades: 2 and 3 Instructor: Lisa Dye Location: Living History Farm Fee: \$285

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 are 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: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Ashley Zalabak Location: Astronomy Classroom Fee: \$130



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 listen to music Pa played on his fiddle. . *Little House I camp is not required*.

Session: 1

Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Lisa Dye Location: Living History Farm Fee: \$130



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 and a behind-the-scenes look at Roper Mountain Science Center. **Session:** 1

Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Donna Frank Location: Conference Center Fee: \$130

Completed Grades 2–3

Zip, Zap, Zoom

Explore a range of air and flight activities such as balloons, airplanes, kites, parachutes, and straw rockets! Campers will learn that from the smallest gnat to the largest aircraft, all things that fly obey the same science principles. Students will also investigate parameters that could make their aircraft better!

Session: 1

Dates: June 13 - 17 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Stacey Merritt Location: Symmes Hall Lab 10 Fee: \$130



We'll explore the outdoors and learn about all things nature as we inspire our creative senses. We'll create beautiful art using natural materials, clay, watercolors and ink. Rex the Alligator may even stop by to help us paint! Don't miss out on this naturally crafty experience!

Session: 1 Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Meg McKnight Location: Mineral Lab Fee: \$130

Padawan Academy

Are you strong with the Force? Star Wars and sci-fi fans are invited to begin their own Hero's Journey. Explore the world of Star Wars as you take on the role of Padawan and create and learn with other trainees. May the Force be with Us as we learn the ways of the Jedi and have fun at the same time!

Session: 1

Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Joe Blizzard Location: Symmes Hall Lab 9 Fee: \$130

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 11 - 15 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Joe Blizzard Location: Symmes Hall Lab 3/5 Fee: \$180

Session: 2

Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Joe Blizzard Location: Symmes Hall Lab 3/5 Fee: \$180

Dino Detectives

Can scientists bring dinosaurs and other prehistoric animals back to life using DNA? We'll explore the mysteries that surround these extinct animals as we examine real fossils, explore and catalog our dinosaur trail, meet living fossils, and study microscopic dinosaurs. We'll investigate a future where creatures like the wooly mammoth might live again! **Session:** 1 **Dates:** June 6 - 10 **Times:** 9:00am - 12noon

New!

Completed Grades: 2 and 3 Instructor: John Hurley Location: Paleo Lab Fee: \$130

> Looking for LEGO® Robotics?

Books & Builds

Books and science go hand in hand! In this creative camp, we will read a selection of children's literature and then perform science experiments, activities and crafts centered on the theme. Literature selections include *There's A Hair in My Dirt*, *Bartholomew and the Oobleck, Bugs are Insects* and more!

New!

Session: 1

Dates: July 25 - 29 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Kyle Rollins Location: Universe Classroom Fee: \$130

Fast & Furious



Become a junior engineer and design speedy motion machines. Create model cars and planes using rubber bands, bottles, balloons, and other unexpected materials. Protect your passengers in our crash test and egg drop. Design, build, and test zip line racers that glide through the air with ease. Buckle up for a week of fast, furious fun!

Session: 1

Dates: June 6 - 10 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Tommy Wilkinson Location: Symmes Hall Lab 9 Fee: \$130

Killer Plants & Animals



Be careful... Killer Plants and Animals are everywhere, even here at Roper Mountain! Join us for a look into the mysterious world of organisms that can't survive without eating live prey. Campers will create arts and crafts and take home their own carnivorous plant. We'll explore carnivores in a week of killer fun!

Session: 1 Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Kyle Rollins Location: Universe Classroom Fee: \$135

Completed Grades 3–4

New!

Junior Web FULL DAY Designers

There's no better way to present a school project then 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: June 20 - 24 Times: 9:00am - 4:00pm Completed Grades: 3 and 4 Instructor: Todd Childers Location: Symmes Hall Lab 2 Fee: \$285



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 18 - 22 Times: 9:00am - 4:00pm Completed Grades: 3 and 4 Instructor: Caitlin Drummond Location: Symmes Hall Lab 10 Fee: \$285

Pet Care

Dogs and cats, birds and snakes, we'll learn about them all! Learn the basics of how to care for a pet as we meet a new friend each day and learn how to care for them. Whether you already have a pet or are trying to decide what pet is right for you, Pet Care camp will give you a new appreciation for our furry (or scaly!) family members. Visitors from local animal care facilities will be on hand to help us learn! **Session:** 1

Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Kyle Rollins Location: Universe Classroom Fee: \$130

Session: 2 Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Kyle Rollins Location: Universe Classroom Fee: \$130

Session: 3 Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Kyle Rollins Location: Universe Classroom Fee: \$130

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 and make collections as they learn about nature. Plans include two field trips to Paris Mountain State Park. **Session:** 1

Dates: June 13 - 17 Times: 9:00am - 4:00pm Completed Grades: 3 and 4 Instructor: Tim Taylor Location: Discovery Room B Fee: \$300 Field trips are subject to availability of venue and

may be cancelled or changed due to weather or other extenuating circumstances.

Science Sampler



Take a little taste of everything we have to offer! From Rocks and Minerals, Ooey Gooey Science, Science in the Kitchen, From the Ocean to the Shore and more, Science Samplers will explore different areas of Roper Mountain and the science that goes along with them with fun hands-on activities and crafts.

Session: 1

Dates: June 6 - 10 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Kyle Rollins Location: Universe Classroom Fee: \$130

Olympian Adventure

Inspired by Rick Riordan's *Percy Jackson and the Olympians* Series. Learn about all things Greek through arts and crafts, cooking and games. Hone your battlefield skills by making your own sword and shield and playing team capture the flag. We'll also explore the arts of archery and fencing. We don't need an oracle to tell us that this camp is a week filled with fun!

Session: 1

Dates: July 25 - 29 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Caitlyn Drummond Location: Symmes Hall Lab 4 Fee: \$130

Sketch, Carve, Create

Engage your creativity and get a little messy as we sketch, carve and create different works of art through printmaking. By the weeks end you will have created over a half dozen different collagraph, mono and relief prints on paper and fabric. Your final piece will even be a wearable work of art! Session: 1

Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Kristin LaRoy Location: Symmes Hall Lab 4 Fee: \$130

Completed Grades 3–4

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:** July 25 - 29 **Times:** 9:00am - 12noon **Completed Grades:** 3 and 4 **Instructor:** Jennifer Brown **Location:** Astronomy Classroom **Fee:** \$130

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.

Session: 1

Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Todd Childers Location: Symmes Hall Lab 7 Fee: \$130

Session: 2

Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Matt Taylor Location: Symmes Hall Lab 7 Fee: \$130

Session: 3

Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Matt Taylor Location: Symmes Hall Lab 7 Fee: \$130

Hollywood Makers

You Set the Scene as Movie Prop Master Do you love the magic of movies? Now you can be part of process that brings it to the screen! Hollywood Makers will explore superhero, space, fantasy/magic, spy and animation movies through prop building, design challenges and science to make it all come alive. You will make it happen as you live out your movie dreams! Session: 1 Dates: June 6 - 10 Times: 9:00am - 12noon

Completed Grades: 3 and 4 Instructor: Joe Blizzard Location: Symmes Hall Lab 4 Fee: \$130

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:** June 13 - 17 **Times:** 9:00am - 12noon **Completed Grades:** 3 and 4 **Instructor:** Erin EuDaly **Location:** Symmes Hall Lab 9 **Fee:** \$130



Completed Grades 4-5

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, navigation at night, first-aid, plant identification and other fundamental skills through hands-on activities. Bring your sense of adventure!

Session: 1 Dates: June 13 - 17 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: John Hurley Location: Paleo Lab Fee: \$130

Session: 2

Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: Glenn Sparkman Location: Conference Center Fee: \$130

Spy Academy

Dive into the secret world of spies when you spend a thrilling week at Spy Academy! Our operatives-in-training will create spy gadgets, heighten their observation skills, conduct covert operations, use cryptic codes and ciphers as they learn what it takes to be successful spies. Your mission is ready if you choose to accept it! **Session:** 1

Dates: June 13 - 17 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: Anne Howell Location: Symmes Hall Lab 3/5 Fee: \$130

Session: 2

Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: Anne Howell Location: Symmes Hall Lab 3/5 Fee: \$130

Completed Grades 4–5

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, including learning about leatherwork, candle dipping, herb gardening and hearth cooking. Campers will care for our barn animals, including our 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: June 6 - 10 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: Dana Lackey Location: Living History Farm Fee: \$130

Myth & Magic

You're the hero in our Myth and Magic on the mountain camp! We'll learn about some of the greatest heroes from page and screen, like Harry Potter, Percy Jackson, Moana, Rey and others as we identify the story-telling elements of a hero's quest. Throughout the week, you'll embark on your own hero's journey, take on epic quests and gather legendary tools to help you on your way.

Session: 1

Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: Jasmin Poor Location: Symmes Hall Lab 4 Fee: \$130

Astro Apprentice

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: July 11 - 15 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: Maggie Connelly Location: Astronomy Classroom Fee: \$130

Galactic Hackers FULL DAY This is the Star Wars Maker Camp You're Looking For

Not that long from now at a mountain close to you, join us as we unlock the science and technology of a galaxy far, far away. Explore the world of Star Wars through investigation, design challenges, coding and more. From light sabers and droids to characters and creatures, the Force will be with you as you make these worlds your own. Session: 1

Dates: June 27 - July 1 Times: 9:00am - 4:00pm Completed Grades: 4 and 5 Instructor: Joe Blizzard Location: Symmes Hall Lab 3/5 Fee: \$285

Harry Potter FULL DAY

Inspired by JK 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 guiz contest. The winning team will be awarded the House Cup! Join us for a magical week. Session: 1

Dates: August 1 - 5 Times: 9:00am - 4:00pm Completed Grades: 4 and 5 **Instructor:** Multiple Instructors **Location:** Multiple Locations Fee: \$285

Marine Adventures

Calling all future marine biologists! In this hands on experience, we will get to dissect a squid, handle live animals in our marine lab touch tanks, and drive a real ROV (Remotely Operated Vehicle) in one of our simulated deep ocean explorations. Session: 1

Dates: July 25 - 29 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: Ashlev Zalabak Location: Mineral Lab Fee: \$130

Junior Master FULL DAY Gardener



Attend both weeks of camp and be

certified as a Junior Master Gardener. 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 handson 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 a day visiting a local farm to learn about the business of growing vegetables.

Session: 1

Dates: July 18 - 22 Times: 9:00am - 4:00pm Completed Grades: 4 and 5 Instructor: Greenville Master Gardeners Volunteers Location: Shelter 10 Fee: \$200

Session 2

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

Session: 2

Dates: July 25 - 29 Times: 9:00am - 4:00pm Completed Grades: 4 and 5 Instructor: Greenville Master Gardeners Volunteers Location: Shelter 10 Fee: \$200

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

> Looking for **LEGO®** Robotics? See Pages 12-13



Completed Grades 5 – 7

Project Discovery

Like to experiment? Want to make stuff stronger, lighter, 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 have a contest to make the strongest cement.

Session: 1

Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Val Mosher Location: Symmes Hall Lab 9 Fee: \$130



Art Entrepreneurs

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: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Bronwyn White Location: Symmes Hall Lab 2 Fee: \$130

Master Web Builders FULL DAY

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

Session: 1

Dates: June 13 - 17 Times: 9:00am - 4:00pm Completed Grades: 5, 6, 7 Instructor: Todd Childers Location: Symmes Hall Lab 2 Fee: \$285

Early American Farm Life

Travel back in time to the 1800's Living History Farm where we will cook 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 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: June 13 - 17 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Dana Lackey Location: Living History Farm Fee: \$130



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 on real-world design challenges to make everything from jewelry, small lamps, to ornaments and more.

Session: 1

Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Chris Beyerle Location: Symmes Hall Lab 8 Fee: \$130

Session: 2

Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Val Mosher Location: Symmes Hall Lab 8 Fee: \$130

Session: 3

Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Ken Morrill Location: Symmes Hall Lab 8 Fee: \$130

Session: 4

Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Chris Beyerle Location: Symmes Hall Lab 8 Fee: \$130



Completed Grades 5 – 7

Upstate Ecology FULL DAY



Deepen your love for nature by learning about many of the amazing plants and animals that call the Upstate their home. We'll explore the ecology of Roper Mountain through hikes, investigations and by getting up close and personal with reptiles, amphibians and many exciting invertebrates. We'll take field trips to Lake Conestee for a guided bird walk and to Table Rock State Park for an in-depth stream study. At the end of the week, we'll create our own "Treasures from Nature" display inspired by all that we have learned! **Session:** 1

Dates: June 6-10 Times: 9:00am - 4:00pm Completed Grades: 5, 6, 7 Instructor: Meg McKnight Location: Ecology Lab Fee: \$300

Digital Movie Making FULL DAY

Learn how to be a movie director and technician as you create a live action film in this fun-filled movie production camp. You'll learn how to use computer movie-editing software along with video still images to create professional-looking movies to share with family or friends or even make eyepopping documentaries for school projects! **Session:** 1

Dates: July 18 - 22 Times: 9:00am - 4:00pm Completed Grades: 5, 6, 7 Instructor: Ken Morrill Location: Symmes Hall Lab 4 Fee: \$285



Rocketry

We'll begin with an exploration of the physics of rockets that will lead into the basic concepts of rocket building as we construct and decorate three model rockets throughout the week. Model building requires patience for fine detail work and sharp tools will be used. With permission, students will bring their rockets home to decorate and return them the next day to prepare for launch. On Friday (weather permitting), families are invited to join us at a nearby park for our rocket launch. **Session:** 1

Dates: June 6 - 10 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Jenn Romatelli Location: Astronomy Classroom Fee: \$175



ReDesign: ReCraft and ReUse



Utilizing all stages of the Creative Design Process, students will repurpose everyday and throwaway objects like bottle caps, cardboard, duct tape and discarded vinyl records and books into functional and decorative works of art! Using a variety of art and craft techniques including painting, sculpture, origami and collage, the ordinary will become extraordinary. **Session:** 1

Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Bronwyn White Location: Shelter 10 Fee: \$130

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, extended lunch stay and/or general camp assistance as needed.

Volunteers must:

- Be at least 14 years old as of June 1, 2022
- 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)
- Follow all safety protocols

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





VEX IO

Campers will test their creativity using VEX IQ Robotics to design, build, and program real-world devices to compete in fun challenges. Learn to create robotic devices that will accomplish tasks in interesting "hands-free" ways such as picking up and stacking materials. No prior experience necessary! Get ready for doing robotics that is hands-on, engaging, and fun!

Session: 1

Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: Ages 12 and up Instructor: Chris Beyerle Location: Symmes Hall Lab 3/5 Fee: \$130

Girls STEAM Ahead

Calling all girls! Join us for a fun week of hands-on science, technology, engineering, art and math activities. We'll think like engineers as we design and test space gloves, work like programmers as we tackle robotics challenges, become detectives as we solve a forensic mystery, explore the mysteries of outer space as astronomers and so much more.

Session: 1 Dates: June 20-24 Times: 9:00am - 12noon Completed Grades: Ages 12 and up Instructor: Maggie Connelly Location: Astronomy Classroom Fee: \$130

What Goes Up?



Become a High Altitude Engineer We'll work as an engineering team to tackle design challenges and build a housing that will allow us to launch an HD camera high enough to take measurements of the curvature of the earth and film the blackness of space - that's six time higher than a commercial jet can fly! We'll determine how to protect our camera against wind speeds of more than 100mph, subzero temperatures and the possibility of a water landing as we safely return it to earth. The sky is (barely!) the limit! Session: 1

Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: Ages 12 and up Instructor: John Hurley Location: Astronomy Classroom Fee: \$130

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. You'll also get a mini-drone to take home!

Session: 1

Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: Ages 12 and up Instructor: Ken Morrill Location: Symmes Hall Lab 10 Fee: \$160

Session: 2

Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: Ages 12 and up Instructor: Glenn Sparkman Location: Symmes Hall Lab 10 Fee: \$160

Animal Care

Students will work and train with the Animal Caretaker, learning many aspects of the animal care work that is performed on a routine basis. Such duties include: diet preparation and feeding, cleaning enclosures, proper handling and weighing of select animals, aquatic maintenance, and other basic animal husbandry needs. Students will work hands on with reptiles, amphibians, invertebrates, mammals, and fish. This class can also serve to prepare students who are interested in volunteering in Animal Care.

Session: 1

Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: Ages 12 and up Instructor: Dave Grubaugh Location: Discovery Room B Fee: \$130

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 \$50 per week, no member discount.
- No refunds for cancellations received later than 7 days before camp start.

Extended Lunch Stay

- Supervised lunch stay (12noon to 1:00pm) for your morning camp.
- Lunch is provided. Daily menu choices are: cheeseburger, chicken sandwich or grilled cheese with sides (varying daily) and white or chocolate milk. Campers are welcome to bring their own lunch if they prefer.
- No structured activities will be provided.
- Participants in full-day camps should not sign up for Extended Lunch Stay.
- 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 \$50 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	Scratch Based Progra- mming	EV3 Platform	Focus on Building	Focus on Programming	Advanced Programming
Beginner Robotics Grades 1, 2	•		•				•	•	
LEGO Design Engineer Grades 2, 3	•			•			•	•	
Ultimate Lego Builds & Bots Grades 2, 3	•		•				•		
Inventing with LEGO Spike Prime Grades 3, 4	•				٠		•	•	
Robot Inventor Grades 4, 5	•					•	•	•	
Robot Academy Grades 4, 5	•				•	•		•	
Mission to Mars Grades 5, 6, 7	•				•	•		•	•
Sumo Bot 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.

Session: 1

Dates: June 6 - 10 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Kim Roberts Location: Symmes Hall Lab 1 Fee: \$130

Session: 2 Dates: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Coby Dixon Location: Symmes Hall Lab 1 Fee: \$130

Session: 3

Dates: June 27 - July 1 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Kathie Fox Location: Symmes Hall Lab 1 Fee: \$130

Session: 4 Dates: July 18 - 22 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Coby Dixon Location: Symmes Hall Lab 1 Fee: \$130 Session: 5 Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: 1 and 2 Instructor: Kathie Fox Location: Symmes Hall Lab 1 Fee: \$130



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. Build a rescue helicopter and race cars! 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: June 13 - 17 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Kathie Fox Location: Symmes Hall Lab 1 Fee: \$130

Session: 2

Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Kathie Fox Location: Symmes Hall Lab 1 Fee: \$130

Session: 3

Dates: August 1 - 5 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Coby Dixon Location: Symmes Hall Lab 2 Fee: \$130

Ultimate LEGO Builds & Bots

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 much more! 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: July 25 - 29 Times: 9:00am - 12noon Completed Grades: 2 and 3 Instructor: Coby Dixon

Location: Symmes Hall Lab 2 Fee: \$130

LEGO[®] Robotics

Inventing with LEGO Spike Prime

Using the LEGO® Spike Prime kits, you'll design and build robots to meet challenging scenarios. Learn how to control motors and use sensors; once you master the basics, we'll move to more advanced design challenges! Can you design and build a handheld grabber tool? 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 13 - 17 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Coby Dixon Location: Symmes Hall Lab 4 Fee: \$130

.

Session: 2 Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Coby Dixon Location: Symmes Hall Lab 2 Fee: \$130

Session: 3

Dates: July 25 - 29 Times: 9:00am - 12noon Completed Grades: 3 and 4 Instructor: Val Mosher Location: Symmes Hall Lab 1 Fee: \$130

Robot Academy

Campers will be introduced to the LEGO[®] EV3 robotics technology. As you 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 utilizing LEGO's Scratch based programing.

Session: 1 Dates: June 6 - 10 Times: 9:00am - 12noon

Completed Grades: 4 and 5 Instructor: Coby Dixon Location: Symmes Hall Lab 7 Fee: \$130

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 design, build, and program robots to achieve tasks, complete challenges and take their design thinking skills to the next level.

Session: 1

Dates: July 11 - 15 Times: 9:00am - 12noon Completed Grades: 4 and 5 Instructor: Matt Taylor Location: Symmes Hall Lab 7 Fee: \$130

Mission to Mars

Learn to design and build robotic rovers that traverse "terrain" and sample the red planet's ecosystem. We will map the different Mars rover landings 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: June 20 - 24 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Matt Taylor Location: Symmes Hall Lab 7 Fee: \$130

Sumo Bot

Robots Sumo Style! Campers will 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!). Throughout the week, campers will re-design their bots and the week will culminate with a Sumo bot tournament. **Session:** 1

Dates: June 13 - 17 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Matt Taylor Location: Symmes Hall Lab 7 Fee: \$130

Session: 2

Dates: July 25 - 29 Times: 9:00am - 12noon Completed Grades: 5, 6, 7 Instructor: Matt Taylor Location: Symmes Hall Lab 7 Fee: \$130





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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+

ABB **BMW Manufacturing** Bosch Community Fund Community Foundation of Greenville Daniel Mickel Foundation **Duke Energy Foundation** Fluor Golf for Greenville Greater Greenville Sanitation Commission Greenville County Litter Prevention Greenville Water Lockheed Martin Michelin North America Piedmont Arthritis Clinic ReWa SCETV The Late Ernest and Betty Lathem

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Support Roper Mountain and enjoy benefits by becoming a member!

Benefits Include:

•Free admission to Summer Adventure, Starry Nights and select special events •Discounted admission to Planetarium Laser Shows

- •Summer Camp 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 to join today!

To join this list of partners, visit RoperMountain.org to learn more.



Buy tickets online at RoperMountain.org. Pre-purchase is recommended! \$12.00 per adult, \$10.00 per child (age 3 – 12), FREE for RMSC members and children 2 and under. Tickets are non-refundable.



- Explore our new building & exhibits including the Orientation, Nature Exchange, Our Water Story, and Sustainable Future
- · Encounter traveling exhibit "Mystery of the Mayan Medallion"
- · Pet a stingray in our Marine Lab
- · Discover our Li ving History Farm
- · Visit the new Outdoor Dinosaur Trails
- · And so much more...



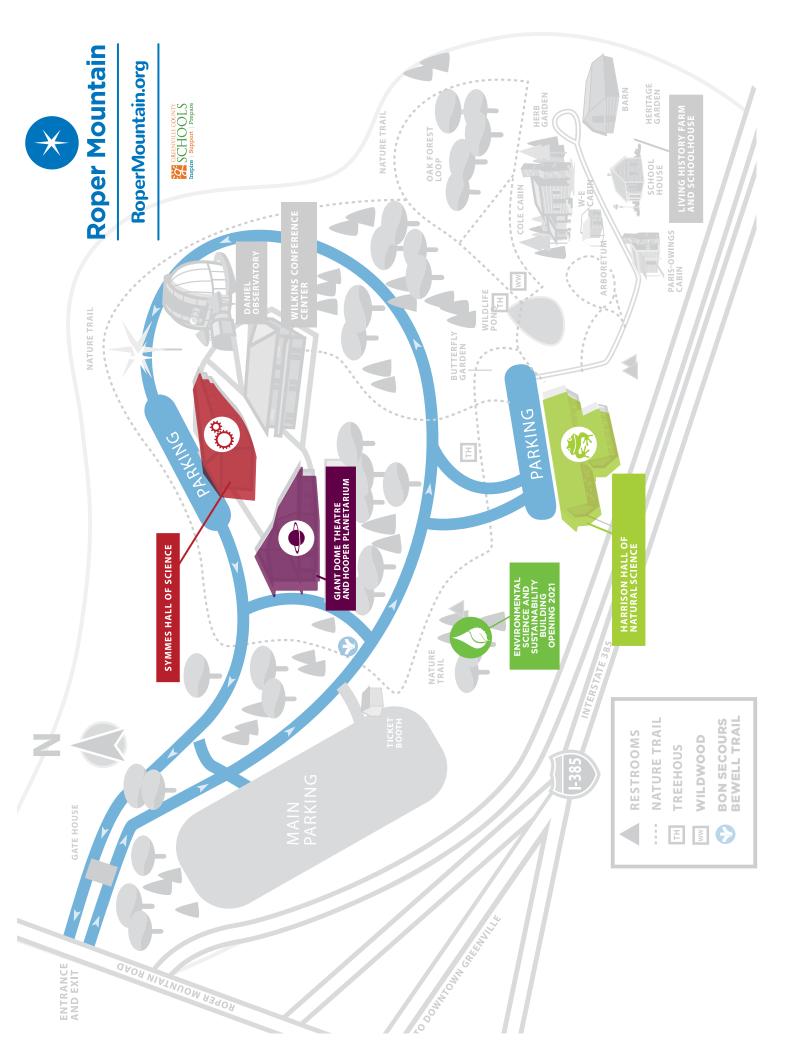




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A 402 Roper Mountain Road Greenville, SC 29615

P 864.355.8900 **F** 864.355.8948

RoperMountain.org





Members only online registration Monday, March 7 beginning at 7:00am

Public online registration Wednesday, March 9 beginning at 8:00am

Registration is online only.

If further assistance is needed, please call 864-355-8925 or email liphilli@greenville.k12.sc.us.

Roper Mountain

Survey Exploration Composition

Pole Mountain Science

Center

Summer 2022 Activity-based camps that mix learning and fun!

RoperMountain.org

GREENVILLE COUNTY SCHOOLS Inspire | Support | Prepare

Registration Information





Registration Dates and Times

Members Only Online Registration Monday, March 7th through Tuesday, March 8th. Monday, March 7th is online member registration only, beginning at 7:00am. No walk-ins.

Public (non-members) Registration opens online Wednesday, March 9th at 8:00am.

No On-site (Walk-in) Registration Registration is online only. If further assistance is needed, please call 864-355-8925 or email liphilli@greenville.k12.sc.us.

Policies Completion of camp registration acknowledges that you have read and agree to the policies listed below.

Enrollment: Roper Mountain reserves the right to cancel camps due to insufficient enrollment and will refund fees.

Photo Release Permission: Unless requested in writing at registration, parents give permission for Roper Mountain to use their child's photo, without name, in publications, videos, website, social media and news publications.

COVID-19 Safety Protocols: Roper Mountain will follow safety protocols as recommended by the CDC at the time of camp. These may include social distancing and masks. Students who do not follow safety protocols will have parents contacted and may be removed from camp if unsafe behavior continues.

Behavior Policy: 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.

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.

Completed Grade Level: Students must have completed the grade listing during the 2021-2022 school year to enter a camp. Those registered in camps outside of their grade range will be removed.

Field Trip Permission: For camps with field trips, parents must complete the field trip permission form for Greenville County Schools. These will be distributed the first day of camp.

Tax ID #: 57-6000234

Cancellation/Refund Policy

- Cancellation requests must be made in writing by emailing Lisa Phillips at liphilli@ greenville.k12.sc.us. Verbal/telephone cancellation requests are not accepted.
- Please do not mail cancellation requests. Refund policy applies to the date the request is received, not the date mailed. We are not responsible for delivery delays.
- Cancellation requests made 21 days or more prior to camp start date will receive a **50% refund.** No refunds will be made within 21 days of camp start date.
- Camps may not be rescheduled except within different sessions of the same camp. To change camps, you must register and pay in full for the new camp and then request a cancellation for the original camp.
- For camps paid by cash or check, allow 3 4 weeks to receive refunds by check. Credit card refunds are processed within 3 – 5 business days of cancellation request.

Title	Sess.	ŧ	Dates	Time	Grades	Fee
Activate Creature Powers	S1	M-F	June 27 - July 1	9:00 - 12:00	K4-K5	\$130
Activate Creature Powers	S1 S2	M-F	July 11 - 15	9:00 - 12:00	K4-K5	\$130
Animal Care	S1	M-F	August 1 - 5	9:00 - 12:00	Ages 12+	
Animal Care	S1	M-F	June 20 - 24	9:00 - 12:00	1-2	\$130
Animal Detectives	S1	M-F	June 27 - July 1	9:00 - 12:00	1-2	\$130
Art Entrepreneurs	52 S1	M-F	June 27 - July 1	9:00 - 12:00	5, 6, 7	\$130
Astro Apprentice	S1	M-F	July 11 - 15		3, 0, 7 4-5	\$130
			July 18 - 22	9:00 - 12:00		
Away We Grow	S1	M-F	5	9:00 - 12:00	1-2	\$130
Beginner Robotics	S1	M-F	June 6 - 10	9:00 - 12:00	1-2	\$130
Beginner Robotics	S2	M-F	June 20 - 24	9:00 - 12:00	1-2	\$130
Beginner Robotics	S3	M-F	June 27 - July 1	9:00 - 12:00	1-2	\$130
Beginner Robotics	S4	M-F	July 18 - 22	9:00 - 12:00	1-2	\$130
Beginner Robotics	S5	M-F	August 1 - 5	9:00 - 12:00	1-2	\$130
Bloxels	S1	M-F	June 27 - July 1	9:00 - 12:00	3-4	\$130
Bloxels	S2	M-F	July 18 - 22	9:00 - 12:00	3-4	\$130
Bloxels	S3	M-F	August 1 - 5	9:00 - 12:00	3-4	\$130
Books and Builds	S1	M-F	July 25 - 29	9:00 - 12:00	2-3	\$130
Calling All Superheroes	S1	M-F	June 6 - 10	9:00 - 12:00	1-2	\$130
Circus Science	S1	M-F	July 25 - 29	9:00 - 12:00	K5-1	\$130
Digital Movie Making	S1	M-F	July 18 - 22	9:00 - 4:00	5, 6, 7	\$285
Dino Detectives	S1	M-F	June 6 - 10	9:00 - 12:00	2-3	\$130
Drone Tech Flight School	S1	M-F	June 27 - July 1	9:00 - 12:00	Ages 12+	\$160
Drone Tech Flight School	S2	M-F	July 11 - 15	9:00 - 12:00	Ages 12+	\$160
Early American Farm Life	S1	M-F	June 13 - 17	9:00 - 12:00	5, 6, 7	\$130
Farm Animals & Garden Fun	S1	M-F	June 20 - 24	9:00 - 12:00	K5-1	\$130
Farm Animals & Garden Fun	S2	M-F	June 27 - July 1	9:00 - 12:00	K5-1	\$130
Fast & Furious	S1	M-F	June 6 - 10	9:00 - 12:00	2-3	\$130
Fast Pass to Roper Mountain	S1	M-F	June 27 - July 1	9:00 - 12:00	2-3	\$130
Galactic Hackers	S1	M-F	June 27 - July 1	9:00 - 4:00	4-5	\$285
Girls STEAM Ahead	S1	M-F	June 20 - 24	9:00 - 12:00	Ages 12+	
Harry Potter	S1	M-F	August 1 - 5	9:00 - 4:00	4-5	\$285
Hollywood Makers	S1	M-F	June 6 - 10	9:00 - 12:00	3-4	\$130
Inventing with LEGO Spike Prime	S1	M-F	June 13 - 17	9:00 - 12:00	3-4	\$130
Inventing with LEGO Spike Prime	S2	M-F	July 11 - 15	9:00 - 12:00	3-4	\$130
Inventing with LEGO Spike Prime	S3	M-F	July 25 - 29	9:00 - 12:00	3-4	\$130
Junior Master Gardener	S1	M-F	July 18 - 22	9:00 - 4:00	4-5	\$200
Junior Master Gardener	S2	M-F	July 25 - 29	9:00 - 4:00	4-5	\$200
		M-F	June 13 - 17	9:00 - 4:00		\$300
Junior Naturalist	S1				3-4	
	S1	M-F	June 13 - 17	9:00 - 12:00	3-4	\$130 ¢205
Junior Web Designers	S1	M-F	June 20 - 24	9:00 - 4:00	3-4	\$285
Jurassic Giants	S1	M-F	July 18 - 22	9:00 - 12:00	K5-1	\$130
Killer Plants and Animals	S1	M-F	August 1 - 5	9:00 - 12:00	2-3	\$135
Kitchen Chemistry	S1	M-F	June 13 - 17	9:00 - 12:00	1-2	\$130
LEGO Design Engineer	S1	M-F	June 13 - 17	9:00 - 12:00	2-3	\$130
LEGO Design Engineer	S2	M-F	July 11 - 15	9:00 - 12:00	2-3	\$130
LEGO Design Engineer	S3	M-F	August 1 - 5	9:00 - 12:00	2-3	\$130
Little House on the Farm I	S1	M-F	July 11 - 15	9:00 - 12:00	1-2	\$130
Little House on the Farm II	S1	M-F	July 18 - 22	9:00 - 12:00	2-3	\$130
M.a.D. Lab	S1	M-F	June 20 - 24	9:00 - 12:00	5, 6, 7	\$130
M.a.D. Lab	S2	M-F	June 27 - July 1	9:00 - 12:00	5, 6, 7	\$130
M.a.D. Lab	S3	M-F	July 11 - 15	9:00 - 12:00	5, 6, 7	\$130
M.a.D. Lab	S4	M-F	July 18 - 22	9:00 - 12:00	5, 6, 7	\$130

Title	Sess.#	ŧ	Dates	Time	Grades	Fee
Magic Tree House Adventure	S1	M-F	July 25 - 29	9:00 - 4:00	2-3	\$285
Marine Adventures	S1	M-F	July 25 - 29	9:00 - 12:00	2-3 4-5	\$130
Master Web Builders	S1	M-F	June 13 - 17	9:00 - 4:00	5, 6, 7	\$285
Mermaids and Monsters	S1	M-F	August 1 - 5	9:00 - 12:00	5, 0, 7 K4-K5	\$130
Mini Bot University	S1	M-F	July 11 - 15	9:00 - 12:00	2-3	\$180
Mini Bot University	S2	M-F	July 18 - 22	9:00 - 12:00	2-3	\$180
Mini Makers	52 S1	M-F	June 6 - 10	9:00 - 12:00	2-3 K5-1	\$130
Mini Makers						
	S2	M-F	July 25 - 29	9:00 - 12:00	K5-1	\$130
Mini Meteorologists	S1	M-F	July 25 - 29	9:00 - 12:00	1-2	\$130
Mission To Mars	S1	M-F	June 20 - 24	9:00 - 12:00	5, 6, 7	\$130
Myth and Magic	S1	M-F	June 27 - July 1	9:00 - 12:00	4-5	\$130
Nature Art	S1	M-F	June 20 - 24	9:00 - 12:00	2-3	\$130
Octonaut's Ocean	S1	M-F	June 20 - 24	9:00 - 12:00	K4-K5	\$130
Olympian Adventure	S1	M-F	July 25 - 29	9:00 - 12:00	3-4	\$130
Padawan Academy	S1	M-F	June 20 - 24	9:00 - 12:00	2-3	\$130
Pet Care	S1	M-F	June 20 - 24	9:00 - 12:00	3-4	\$130
Pet Care	S2	M-F	June 27 - July 1	9:00 - 12:00	3-4	\$130
Pet Care	S3	M-F	July 11 - 15	9:00 - 12:00	3-4	\$130
Pioneer Apprentice	S1	M-F	June 6 - 10	9:00 - 12:00	4-5	\$130
Pop Bang Sputter	S1	M-F	June 20 - 24	9:00 - 4:00	1-2	\$285
Project Discovery	S1	M-F	August 1 - 5	9:00 - 12:00	5, 6, 7	\$130
ReDesign: Recraft & ReUse	S1	M-F	July 11 - 15	9:00 - 12:00	5, 6, 7	\$130
Robot Academy	S1	M-F	June 6 - 10	9:00 - 12:00	4-5	\$130
Robot Inventor	S1	M-F	July 11 - 15	9:00 - 12:00	4-5	\$130
Rocketry	S1	M-F	June 6 - 10	9:00 - 12:00	5, 6, 7	\$175
Science Sampler	S1	M-F	June 6 - 10	9:00 - 12:00	3-4	\$130
Science Sleuths	S1	M-F	August 1 - 5	9:00 - 12:00	1-2	\$130
Seussapalooza	S1	M-F	June 13 - 17	9:00 - 12:00	K5-1	\$130
Seussapalooza	S2	M-F	August 1 - 5	9:00 - 12:00	K5-1	\$130
Silly Slime	S1	M-F	June 13 - 17	9:00 - 12:00	1-2	\$130
Sketch, Carve, Create	S1	M-F	June 20 - 24	9:00 - 12:00	3-4	\$130
Snow Much Fun	S1	M-F	July 11 - 15	9:00 - 12:00	K5-1	\$130
Solar System Explorers	S1	M-F	July 11 - 15	9:00 - 12:00	1-2	\$130
Spy Academy	S1	M-F	June 13 - 17	9:00 - 12:00	4-5	\$130
Spy Academy	S2	M-F	June 20 - 24	9:00 - 12:00	4-5	\$130
SumoBot	S1	M-F	June 13 - 17	9:00 - 12:00	5, 6, 7	\$130
SumoBot	S2	M-F	July 25 - 29	9:00 - 12:00	5, 6, 7	\$130
The World Around Us	S1	M-F	June 6 - 10	9:00 - 12:00	K4-K5	\$130
The World Around Us	S2	M-F	June 13 - 17	9:00 - 12:00	K4-K5	\$130
Tiny Worlds: Exploring EcoSystems	S1	M-F	June 27 - July 1	9:00 - 12:00	2-3	\$130
Ultimate LEGO Builds and Bots	S1	M-F	July 25 - 29	9:00 - 12:00	2-3	\$130
Upstate Ecology	S1	M-F	June 6 - 10	9:00 - 4:00	5, 6, 7	\$300
Very Hungry Caterpillar	S1	M-F	July 18 - 22	9:00 - 12:00	K4-K5	\$130
	S1	M-F	August 1 - 5	9:00 - 12:00	Ages 12+	
What Goes Up?	S1	M-F	July 18 - 22	9:00 - 12:00	Ages 12+	
Wilderness Explorations	S1	M-F	June 13 - 17	9:00 - 12:00	4-5	\$130
Wilderness Explorations	S2	M-F	July 18 - 22	9:00 - 12:00	4-5	\$130
Young Engineers Academy	52 S1	M-F	July 25 - 29	9:00 - 12:00	1-2	\$130
Young Scientist	SI SI	M-F	July 18 - 22	9:00 - 12:00	3-4	\$285
You've Been Slimed	S1	M-F	July 25 - 29	9:00 - 12:00	3-4	\$130
Zip, Zap, Zoom	S1	M-F	June 13 - 17	9:00 - 12:00	2-3	\$130

Registration Information:	RMSC Member? Y N				
Registrant (Child's Name)	Completed Grade (2021-22)				
Address	Age				
Phone #					
Email					
Parent/Guardian Name					
Parent/Guardian Phone #					
Parent/Guardian Email					
Emergency Contact Name					
Emergency Contact Phone #					
Allergies					
Other Health Issues					
T-Shirt Size YS YM YL AS AM AL AXL Each child will receive one T-shirt per summer.	Photo Release: Permission to use your child's photo, without name, in publications, videos, website, social media and news publications.				

Extended Lunch Stay

- \$50/week per student, no member discount
- Supervised lunch stay after your morning camp (12-1).
- Lunch is provided for campers. Campers are welcome to bring their own lunch if preferred.
- No structured activities will be provided.
- Participants in full-day camps should not sign up.
- Pre-registration and payment is required by the Wednesday before the start of your camp week.
- No Extended Lunch Stay July 4 8.
- No refunds for cancellations received within 7 days of camp start.

June 6-10
 June 13-17
June 20-24

 July II IJ
July 18-22
July 25-29
August 1-5

July 11-15

Total (# Weeks x \$50) ____

June 27-July 1

Early Drop-off

- \$50/week per student, no member discount
- 7:30am 8:45am for campers attending half or full day camps that begin at 9:00am.
- Arrivals after 8:30am report directly to camp location
- Pre-registration and payment is required by the Wednesday before the start of your camp week.
- No Early Drop-off July 4 8.
- No refunds for cancellations received within 7 days of camp start.

June 6-10
June 13-17
June 20-24
June 27-July 1

July 11-15 _ July 18-22 July 25-29 August 1-5

Received By:

Total (# Weeks x \$50)

Total Fees For All Programs (Includes Camps, Lunch Bunch and Early Drop Off) Total for All Programs ______ - Discount _____ =

For Official Use Only Date: