



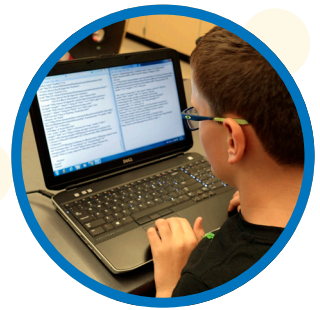
New!

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

Register Online at RoperMountain.org

Members only online registration begins Monday, March 4 at 7:00am. No walk-in registration on Monday, March 4.

Public registration opens online Wednesday, March 6 at 8:00am.



Roper Mountain

Summer 2024

Activity-based camps that mix learning and fun!

RoperMountain.org



Summer Adventure June 1 - July 27, 2024

Explore our buildings and exhibits including our featured traveling exhibit "Here Be Dragons"



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 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 8

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.

In This Guide

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

Completed Grades K4 or K5.....	1
Completed Grades K5 or 1.....	2, 3
Completed Grades 1 or 2.....	3, 4
Completed Grades 2 or 3.....	5, 6
Completed Grades 3 or 4.....	7, 8
Completed Grades 4 or 5.....	9, 10
Completed Grades 5, 6, or 7.....	11, 12
Ages 12 - 15.....	13
LEGO® Robotics.....	14, 15
Our Community Partners.....	16

Events at Roper Mountain

Pi Day Party March 14

Join us for an evening of fun, hands-on STEM demonstrations, drinks, hors d'oeuvres, and pie (of course!) at our annual Pi Day Party, hosted by the Roper Mountain Science Center Association. **Adults Only**

Friday Starry Nights Year Round on Friday Nights

Planetarium showtimes include:

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

Summer Adventure June 1 – July 27

- Explore our buildings & exhibits
- Encounter traveling exhibit "Here Be Dragons"
- Pet a stingray in our Marine Lab
- Discover our Living History Farm
- Visit the new Outdoor Dinosaur Trails
- And so much more...

Laser Shows in the Planetarium Summer, Halloween and Holiday Seasons

Completed Grades K4 or K5

Science Explorers

New!

Campers will become scientists discovering many of the wonders around them. They will ask questions and hopefully answer a few, too. They will collect evidence, complete science experiments, gather information, and use their reasoning to learn about the wonderful world of science.

Session: 1

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: K4 or K5

Instructor: Jasmin Poor

Location: Astronomy Classroom

Fee: \$150

Session: 2

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: K4 or K5

Instructor: Jasmin Poor

Location: Symmes Hall Lab 7

Fee: \$150

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

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: K4 or K5

Instructor: Jasmin Poor

Location: Symmes Hall Lab 8

Fee: \$150

**K4-K5
campers
must be starting
K5 or Grade 1
this fall**

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

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: K4 or K5

Instructor: Erin EuDaly

Location: Symmes Hall Lab 7

Fee: \$150

Session: 2

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: K4 or K5

Instructor: Erin EuDaly

Location: Symmes Hall Lab 7

Fee: \$150

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, ocean sensory jars, sea monster slime, and more!

Session: 1

Date: July 29 - Aug 2

Time: 9:00am - 12noon

Completed Grade: K4 or K5

Instructor: Ashley Zalabak

Location: Harrison Hall Discovery D

Fee: \$150



**Register
Online**

RoperMountain.org



Looking for
LEGO® Robotics?
See Pages 14-15

10%
Members
Receive
a 10%
Discount!

Completed Grades K5 or 1

New!

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

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Madison Mann

Location: Symmes Hall Lab 4

Fee: \$150

Storytime Science

Each day we will read a picture or story book featuring a scientific idea and then we will explore it through hands-on crafts, experiments, activities and our own storytelling. We'll visit all of the places that make Roper Mountain special, like the dino trail, marine lab and planetarium as we stretch our imaginations from the earth to the sky!

Session: 1

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Lydia Burgess

Location: Symmes Hall Lab 4

Fee: \$150

Jurassic Giants

We'll go back in time exploring pre-history 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

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Susan Shaw

Location: Wilkins Conference Center

Fee: \$150

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

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Kristin LaRoy

Location: Symmes Hall Lab 4

Fee: \$150

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

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Erin EuDaly

Location: Symmes Hall Lab 7

Fee: \$150

Session: 2

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Erin EuDaly

Location: Symmes Hall Lab 7

Fee: \$150



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 see if we can find 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

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Leslie Baxley

Location: Wilkins Conference Center

Fee: \$150

Session: 2

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Leslie Baxley

Location: Wilkins Conference Center

Fee: \$150

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, 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

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Lisa Dye

Location: Living History Farm

Fee: \$150

Session: 2

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Dana Lackey

Location: Living History Farm

Fee: \$150

Completed Grades K5 or 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! The cold won't bother you when you're having Snow Much Fun!

Session: 1

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Lydia Burgess

Location: Symmes Hall Lab 4

Fee: \$150

Camp Curiosity

Every day we will investigate, experiment and make discoveries in a different area of science: animals, space, energy/technology, chemistry, forces and motion and more! Free your curiosity and we'll learn something new!

Session: 1

Date: July 29 - Aug 2

Time: 9:00am - 12noon

Completed Grade: K5 or 1

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

Fee: \$150

**Register
Online**

RoperMountain.org

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

Completed Grades 1 or 2

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

Date: June 10 - 14

Time: 9:00am - 4:00pm

Completed Grade: 1 or 2

Instructor: Stacey Merritt

Location: Symmes Hall Lab 8

Fee: \$325



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

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

Session: 2

Date: July 29 - Aug 2

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

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

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

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

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Susan Shaw

Location: Wilkins Conference Center

Fee: \$150



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

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Susan Shaw

Location: Wilkins Conference Center

Fee: \$150

Completed Grades 1 or 2

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 practice baking. Campers will enjoy making their own potpourri, wood cabins, rope and clothes pin dolls, as well as panning for gold. We will help with cabin, barn and garden chores, including picking garden vegetables and fruit.

Session: 1

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Lisa Dye

Location: Living History Farm

Fee: \$150

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

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Amy St. John

Location: Wilkins Conference Center

Fee: \$150

Silly Slime

Silly Slime! Goopy Gak! Flubber! Kids will explore and enjoy mixing simple ingredients to make different recipes, while learning the science behind the slimy wonder. We will make all kinds of slime, including magnetic, glow in the dark, color-changing and more!

Session: 1

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Ragan Brown

Location: Astronomy Classroom

Fee: \$150

More! Creature Powers

New!

Delve deeper into the world of creature powers as we explore the unique abilities of animals. Roam the grounds, uncover their secrets, and craft your own creature powers through imaginative activities. From the agility of a squirrel to the wings of a butterfly, channel these traits into hands-on creations. Join us for another chapter of creativity, curiosity, and magic of the animal kingdom!

Session: 1

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Erin EuDaly

Location: Symmes Hall Lab 7

Fee: \$150

Session: 2

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Erin EuDaly

Location: Symmes Hall Lab 7

Fee: \$150

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

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Tim Taylor

Location: Harrison Hall Discovery A

Fee: \$150

Session: 2

Date: July 29 - Aug 2

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Tim Taylor

Location: Harrison Hall Discovery A

Fee: \$150

Animal Habitats

FULL DAY

Field Trip!

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 at Conestee Nature Park.

Session: 1

Date: July 29 - Aug 2

Time: 9:00am - 4:00pm

Completed Grade: 1 or 2

Instructor: Sherry Williams

Location: Harrison Hall Ecology Lab

Fee: \$335

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



Register
Online
RoperMountain.org

Completed Grades 2 or 3

Magic Tree

House Adventure FULL DAY

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

Date: July 22 - 26

Time: 9:00am - 4:00pm

Completed Grade: 2 or 3

Instructor: Lisa Dye

Location: Living History Farm

Fee: \$325

Nature Art

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. Sinbad the Alligator may even stop by to help us paint! Don't miss out on this naturally crafty experience!

Session: 1

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Sherry Williams

Location: Harrison Hall Discovery D

Fee: \$150

Session: 2

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Meg McKnight

Location: Harrison Hall Discovery D

Fee: \$150

Ahoy Matey!

Join the crew on the high seas and have some incredible adventures along the way! We'll learn all about the pirate life as we swab the deck, build a catapult, learn about shipwrecks, walk the plank, meet alligators and sharks and more! X marks the spot for a thrilling pirate adventure!

Session: 1

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Delaney Fleming

Location: Harrison Hall Discovery D

Fee: \$150



Tiny Worlds:

Exploring EcoSystems

Learn all about self-sustaining ecosystems and make some, too! We'll collect lake water and examine it to see what creatures are living in our ecosystems. We will make an aquatic ecosystem (with a live creature!) you can take home, a bug hotel, and different kinds of terrariums. Learn what living things need to survive and make a terrarium tiny enough to wear as a necklace!

Session: 1

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Ashley Zalabak

Location: Harrison Hall Discovery D

Fee: \$150

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

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

Fee: \$150

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 over an open hearth like Laura did. Campers will make spices, make a corn husk doll, attend an old-fashioned school lesson, and dance to music Pa played on his fiddle. We'll plow in the garden and try our hand at spinning yarn and weaving on the loom.

Little House I camp is not required.

Session: 1

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Lisa Dye

Location: Living History Farm

Fee: \$150





Completed Grades 2 or 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
Date: July 15 - 19
Time: 9:00am - 12noon
Completed Grade: 2 or 3
Instructor: Joe Blizzard
Location: Symmes Hall Lab 3
Fee: \$220

Session: 2
Date: July 22 - 26
Time: 9:00am - 12noon
Completed Grade: 2 or 3
Instructor: Joe Blizzard
Location: Symmes Hall Lab 3
Fee: \$220

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 woolly mammoth might live again!

Session: 1
Date: June 10 - 14
Time: 9:00am - 12noon
Completed Grade: 2 or 3
Instructor: John Hurley
Location: Harrison Hall Discovery C
Fee: \$150

Session: 2
Date: July 29 - Aug 2
Time: 9:00am - 12noon
Completed Grade: 2 or 3
Instructor: John Hurley
Location: Harrison Hall Discovery C
Fee: \$150

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!

Session: 1
Date: June 3 - 7
Time: 9:00am - 12noon
Completed Grade: 2 or 3
Instructor: Kyle Rollins
Location: Universe Classroom
Fee: \$150

Session: 2
Date: June 10 - 14
Time: 9:00am - 12noon
Completed Grade: 2 or 3
Instructor: Kyle Rollins
Location: Universe Classroom
Fee: \$150

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
Date: July 15 - 19
Time: 9:00am - 12noon
Completed Grade: 2 or 3
Instructor: Kyle Rollins
Location: Universe Classroom
Fee: \$150

Looking for
LEGO® Robotics?

See Pages 14-15

10%
Members
Receive
a 10%
Discount!



Support Roper Mountain and enjoy benefits
by becoming a member!

Benefits Include:

- Unlimited admission for the household to public programs including Friday Starry Nights, Summer Adventure, and Afternoon Explorations
- Discount ticket prices for special events
- Special member communications
- Access to Summer Camp early registration & discount
- Admission benefits at more than 300 different science centers and museums through the ASTC (Association of Science-Technology Centers) Passport Program

Visit RoperMountain.org to join today!

Completed Grades 3 or 4

Sketch, Carve, and Create

New!

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 having fun printing on fabric!

Session: 1

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Kristin LaRoy

Location: Symmes Hall Lab 4

Fee: \$150

Looking for
LEGO® Robotics?
See Pages 14-15

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

Date: June 10 - 14

Time: 9:00am - 4:00pm

Completed Grade: 3 or 4

Instructor: Tim Taylor

Location: Discovery Room B

Fee: \$345

2
Field
Trips!

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

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

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Matt Taylor

Location: Symmes Hall Lab 1

Fee: \$150

Session: 2

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Matt Taylor

Location: Symmes Hall Lab 5

Fee: \$150

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 thermochromatic, magnetic, glow in the dark slime, and many more slime types!

Session: 1

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Ragan Brown

Location: Astronomy Classroom

Fee: \$150



Science Sampler

Take a little taste of everything we have to offer! From Rocks and Minerals, Ooey Goey 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

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

Session: 2

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

10%
Members
Receive
a 10%
Discount!



Completed Grades 3 or 4

Olympian Adventure

Inspired by Rick Riordan's *Percy Jackson* Series. Learn about all things Greek through arts and crafts, games and more. 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 will be a week filled with fun!

Session: 1

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Caitlin Drummond

Location: Symmes Hall Lab 8

Fee: \$150

Junior Web Design

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

Date: June 24 - 28

Time: 9:00am - 4:00pm

Completed Grade: 3 or 4

Instructor: Todd Childers

Location: Symmes Hall Lab 8

Fee: \$325

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

Date: July 8 - 12

Time: 9:00am - 4:00pm

Completed Grade: 3 or 4

Instructor: Caitlin Drummond

Location: Symmes Hall Lab 8

Fee: \$325

Hollywood Makers

You Set the Scene as Movie Prop Master

Do you love the magic of movies? Now you can be part of the process that brings it to the screen! Hollywood Makers will explore a variety of movie genres 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

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

Fee: \$150

Session: 2

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

Fee: \$150

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

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Delaney Fleming

Location: Symmes Hall Lab 8

Fee: \$185

Session: 2

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Sherry Williams

Location: Symmes Hall Lab 8

Fee: \$185

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 \$60 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 \$60 per week, no member discount.
- No refunds for cancellations received later than 7 days before camp start.

Completed Grades 4 or 5

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

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Anne Howell

Location: Shelter 10

Fee: \$150

Session: 2

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Anne Howell

Location: Shelter 10

Fee: \$150



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

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Dana Lackey

Location: Living History Farm

Fee: \$150

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

Date: June 24 - 28

Time: 9:00am - 4:00pm

Completed Grade: 4 or 5

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

Fee: \$325

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 quiz contest. The winning team will be awarded the House Cup! Join us for a magical week.

Session: 1

Date: July 29 - Aug 2

Time: 9:00am - 4:00pm

Completed Grade: 4 or 5

Instructor: Multi

Location: Multi

Fee: \$325

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 make glow-in-the-dark deep sea monster slime while exploring what life is like in the deep ocean.

Session: 1

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Ashley Zalabak

Location: Harrison Hall Discovery D

Fee: \$150

Junior Master FULL DAY

Gardener

Attend both weeks of camp and be certified as a Junior Master Gardener.

Learn to use plants to make sun tea and cookies. Design and create a terrarium ecosystem. Learn the importance of worms and make a worm farm. Eat fresh veggies right out of the garden. Craft and create a song about plants. Explore the world of bee conservation.

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.

Date: June 24 - 28

Time: 9:00am - 4:00pm

Completed Grade: 4 or 5

Instructor: GGMG

Location: Shelter 10

Fee: \$250

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.

Date: July 8 - 12

Time: 9:00am - 4:00pm

Completed Grade: 4 or 5

Instructor: GGMG

Location: Shelter 10

Fee: \$250

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





Completed Grades 4 or 5

Myth & Magic FULL DAY

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

Date: July 8 - 12

Time: 9:00am - 4:00pm

Completed Grade: 4 or 5

Instructor: Jasmin Poor

Location: Symmes Hall Lab 3

Fee: \$325

Rock Hounds

New!

Spend the week sniffing out rocks and tracking down minerals as we learn about all the ways that geology rocks! Campers will learn how to identify rock specimens, learn about the different stages of rocks, discover their own gemstones, and even get to make their own rock collection! So if geology is your thing, then let's rock and roll!

Session: 1

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: John Schmid

Location: Harrison Hall Discovery C

Fee: \$150

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

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Maggie Connelly

Location: Wilkins Conference Center

Fee: \$150

Tabletop Adventures

New!

Let your imagination come to life in this collaborative storytelling camp! Campers will assume the role of a heroic character they dream up, then play along with a small group as our game masters take them through tabletop adventures where they are the star. Then they'll take the action to the mountain as they complete quests in costumes they design! Suitable for kids who love social play and creativity.

Session: 1

Date: July 29 - Aug 2

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Eric Basso

Location: Symmes Hall Lab 2

Fee: \$150

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

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Glenn Sparkman

Location: Harrison Hall Discovery C

Fee: \$150

Session: 2

Date: July 22 - 26

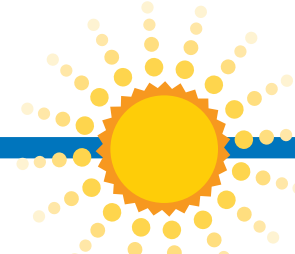
Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Glenn Sparkman

Location: Shelter 10

Fee: \$150



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 include Friday Starry Nights and Summer Adventure. Visit 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.

Looking for
LEGO® Robotics?
See Pages 14-15

Completed Grades 5, 6 or 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

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Maggie Connelly

Location: Symmes Hall Lab 4

Fee: \$150

Session: 2

Date: July 29 - Aug 2

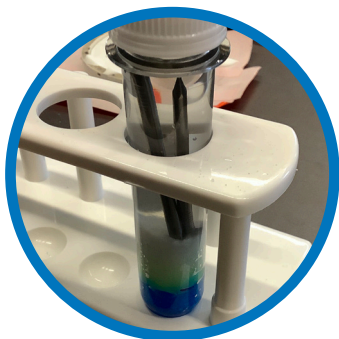
Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Jasmin Poor

Location: Symmes Hall Lab 4

Fee: \$150



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

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Bronwyn White

Location: Astronomy Classroom

Fee: \$150

Master Web Builders FULL DAY

Learn not just 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

Date: July 22 - 26

Time: 9:00am - 4:00pm

Completed Grade: 5, 6 or 7

Instructor: Todd Childers

Location: Symmes Hall Lab 5

Fee: \$325

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

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Dana Lackey

Location: Living History Farm

Fee: \$150

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

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Ken Morrill

Location: Symmes Hall Lab 6

Fee: \$150

Session: 2

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Chris Beyerle

Location: Symmes Hall Lab 6

Fee: \$150

Session: 3

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Ken Morrill

Location: Symmes Hall Lab 6

Fee: \$150

Session: 4

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Chris Beyerle

Location: Symmes Hall Lab 6

Fee: \$150

**10%
Members
Receive
a10%
Discount!**

Looking for
LEGO® Robotics?

See Pages 14-15



Completed Grades 5, 6 or 7

Upstate Ecology FULL DAY

2
Field
Trips!

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

Date: June 3 - 7

Time: 9:00am - 4:00pm

Completed Grade: 5, 6 or 7

Instructor: Meg McKnight

Location: Harrison Hall Ecology Lab

Fee: \$345

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

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 eye-popping documentaries for school projects!

Session: 1

Date: June 10 - 14

Time: 9:00am - 4:00pm

Completed Grade: 5, 6 or 7

Instructor: Ken Morrill

Location: Symmes Hall Lab 1

Fee: \$325

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

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Jenn Romatelli

Location: Astronomy Classroom

Fee: \$200



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

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Bronwyn White

Location: Astronomy Classroom

Fee: \$150

Theme Park Designer

New!

Theme Park Designer is all about bringing the excitement of theme parks to life! Campers will work in teams to design and build their own theme park models, complete with attractions, an interactive physical and digital map, and a recorded tour. They will learn how to use electronic components like Arduinos, LEDs, and sounds to bring their creations to life. Along the way, they will learn valuable skills like teamwork, problem-solving, and creativity. By the end of camp, teams have a fully functional theme park model!

Session: 1

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Ken Morrill

Location: Symmes Hall Lab 6

Fee: \$150



Register
Online
RoperMountain.org

10%
Members
Receive
a 10%
Discount!



Ages 12 - 15

VEX IQ

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

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: Ages 12 - 15

Instructor: Chris Beyerle

Location: Symmes Hall Lab 4

Fee: \$150

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

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: Ages 12 - 15

Instructor: Maggie Connelly

Location: Astronomy Classroom

Fee: \$150

Looking for
LEGO®
Robotics?
See Pages 14-15

Herpetology Heroes

Welcome reptile and amphibian lovers!

We will spend each day deep diving into a different group of animals within the field of herpetology. Campers will learn about our scaly and slimy friends as we spend time outside looking for native species in our different habitats around the mountain, explore the importance of reptile and amphibian conservation, and of course get plenty of hands on learning experience with some of our favorite reptile friends! !

Session: 1

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: Ages 12 - 15

Instructor: John Schmid

Location: Harrison Hall Discovery C

Fee: \$150

Take Control

**Program Microcontrollers to
Make Everyday Objects Interactive**

From timers to thermostats to toys and toothbrushes, microcontrollers are what we use to make everyday objects interactive. Campers will use real microcontrollers to build and customize increasingly complex devices with a mix of hardware design and coding. Starting with simple breadboard circuits, we'll learn to develop our own electronic instruments, motorized devices and more! Campers will take home their Arduino kit at the end of the camp with everything they need to keep creating.

Session: 1

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: Ages 12 - 15

Instructor: Eric Basso

Location: Symmes Hall Lab 6

Fee: \$250

Siege Science

Embark on a thrilling adventure at our "Siege Science Spectacle" where campers become medieval engineers! Design and construct your very own trebuchets, catapults, and ballistas as you join forces to launch water balloon sieges, attempting to breach the formidable walls of a neighboring city. Immerse yourself in the world of ancient warfare, conquer physics challenges, and experience the ultimate water warfare showdown in this epic, hands-on summer camp!

Session: 1

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: Ages 12 - 15

Instructor: John Hurley

Location: Harrison Hall Discovery D

Fee: \$150

Virtual Innovation

Become a creator on the virtual frontier! This course teaches campers how to use web-based coding languages to develop websites, applications, and Virtual Reality worlds. By the end of the week, our innovators will be able to use coding and digital design skills to develop immersive and interactive software products that bring their most creative ideas into reality.

Session: 1

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: Ages 12 - 15

Instructor: Towns Lenihan

Location: Symmes Hall Lab 5

Fee: \$150

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, 2024
- 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



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 Programming	EV3 Platform	Focus on Building	Focus on Programming	Advanced Programming
Beginner Robotics Grades 1, 2	•		•				•	•	
LEGO Design Engineer Grades 2, 3	•			•			•	•	
Inventing with LEGO Spike Prime Grades 3, 4	•				•		•	•	
Robot Academy Grades 4, 5	•				•	•		•	
Mission to Mars Grades 5, 6, 7	•				•	•		•	•
Robot Innovation 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, an 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

Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Kim Roberts

Location: Symmes Hall Lab 2

Fee: \$150

Session: 3

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Kim Roberts

Location: Symmes Hall Lab 2

Fee: \$150

Session: 5

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Coby Dixon

Location: Symmes Hall Lab 2

Fee: \$150

Session: 2

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Kathie Fox

Location: Symmes Hall Lab 2

Fee: \$150

Session: 4

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Coby Dixon

Location: Symmes Hall Lab 2

Fee: \$150

Session: 6

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: 1 or 2

Instructor: Kathie Fox

Location: Symmes Hall Lab 2

Fee: \$150



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. 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

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Donna Frank

Location: Symmes Hall Lab 2

Fee: \$150

Session: 2

Date: June 24 - 28

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Kathie Fox

Location: Symmes Hall Lab 1

Fee: \$150

Session: 3

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 2 or 3

Instructor: Kathie Fox

Location: Symmes Hall Lab 1

Fee: \$150



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

Date: June 17 - 21

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Coby Dixon

Location: Symmes Hall Lab 1

Fee: \$150

Session: 2

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Eric Basso

Location: Symmes Hall Lab 1

Fee: \$150

Session: 3

Date: July 22 - 26

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Eric Basso

Location: Symmes Hall Lab 1

Fee: \$150

Session: 4

Date: July 29 - Aug 2

Time: 9:00am - 12noon

Completed Grade: 3 or 4

Instructor: Coby Dixon

Location: Symmes Hall Lab 1

Fee: \$150

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

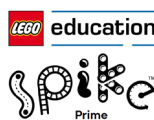
Date: June 3 - 7

Time: 9:00am - 12noon

Completed Grade: 4 or 5

Instructor: Eric Basso

Location: Symmes Hall Lab 5



Robot Innovation

In our growing world, we all use technology daily. However, there are still some tasks that we do manually. During this camp we will explore the world of automation and robotics to see how we can create Lego robots to assist in our everyday lives. Using LEGO® EV3s and the engineering design process, campers will plan, build, and market their innovative robots.

Session: 1

Date: June 10 - 14

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Matt Taylor

Location: Symmes Hall Lab 5

Fee: \$150

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. Utilizing LEGO® EV3s, 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

Date: July 15 - 19

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Matt Taylor

Location: Symmes Hall Lab 5

Fee: \$150

Sumo Bot

Robots Sumo Style! Using LEGO® EV3s, 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

Date: July 8 - 12

Time: 9:00am - 12noon

Completed Grade: 5, 6 or 7

Instructor: Matt Taylor

Location: Symmes Hall Lab 5

Fee: \$150



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+

BOSCH Community Fund
The Daniel-Mickel Foundation
Dodge Industrial, Inc.
Duke Energy Foundation
Fluor Foundation
Fluor Golf for Greenville
Greenville Water
John I Smith Charities
Lockheed Martin Corporation
ReWa
South Carolina Farm Bureau

EXPLORER - \$15,000

BMW Manufacturing
GE
SEW-EURODRIVE

VOYAGER - \$10,000

Audacy Communications
Rose Ball Committee
Linda and Tom Hamilton
Milliken, Inc.
South Carolina Charities
Spartanburg County Foundation

ADVENTURER - \$5,000

AFL Global
Bank of Travelers Rest
Bannon Foundation
Brian Cauthen
Contec, Inc.
John R. and Margrite Davis Foundation
Greenville FCU
Koops, Inc.
Ryobi Power Tools
Minor and Hal Shaw
TD Charitable Foundation

INNOVATOR - \$2,500

DC Blox
Greenville Master Gardeners
Kay and Les Knight
Piedmont Natural Gas
Publix Super Market Charities
ScanSource Charitable Foundation
South Carolina Humanities
Barbara Stone Foundation

ORIGINATOR - \$1,000

Nicole and Peter Curren
Paul Harmon
Bonnie Jilek
Suhail and Anisha Kumar
Nexeo Plastics
Pam and Scott Powell
Laurie Theriot and Daniel Roley
Kathryn and Jerry Smith
Susan and David Wilkins

CREATOR - \$500

Amy and Zach Adams
Yvonne and Jennie Allison
Alison and Kenneth Anderson
Kacy and Chris Babcock
Katherine and Lincoln Barnard
Sarah and Jeremy Bayer
Janet and John Blair
Leala and Adam Blakeley
Andrea and Joshua Bloom
Amy and Christopher Boone
Michelle and Dagenet Breaux
Crystal and Brad Brown
Marla and Andre Burkhardt
Margaret and Brian Burton
Elaine and Helen Chung
Margaret and John Condarsky
Jennifer and Trent Crawford
Erin and Kurt Dainty
Amanda and Justin Davis
Elena and Sandip Dlugach
Jacquelyn and Justin Draplin
Amanda and Lance Feldman
Sarah and Andrew Frick
Kate and Ryan Graczyk
Liz and Paul Harrison
Julie and Andrew Hart
Rebecca and Timothy Hartsell
Kristy and Jon Hodges
Lucy Hummers
Mona and Fahd Idrees
Jennifer and Gareth Jacobs
Justine and Isaac Liebana
Terri and Carl Martin
Laura and Michael Mayberry
Kim and Chris Mazur
Platt and Ashley Moore
Shawn and Paul Murphy
Christina and Larry Neal
Kayavizhi and Jegan Mohan
Elizabeth and Balaji Perumal
Pam and Chad Prashad
Jane and David Rainey
Ann Marie and Sen Ravindran
Ashley and William Reese
May and Hunter Reid
Bari and Keith Schiff
Elizabeth and Michsel Shemroske
Sangita and Patrick Shirley
Karen and Chris Sufczynski
Michan and Christopher Vella
Angela Ward and Erick Rickabaugh
Alexandra and Adam Wilinski
Anne and Mike Kelsey-Zibert
Elizabeth and Mark Zow

BUILDER - \$195

Timothy and Valerie Arthur
Adam and Melissa Baitzell
Abbey and Gregory Bell
Peter and Kendall Bemisderfer
Don and Margorie Bishop
Sarah and Robert Boerner
Donna Bridwell
Shawn and Kelly Bryant
Lee and Emily Bugay
Sarah Dulin and Galen Burdeshaw
Christopher and Nan Campbell
Jay and Libby Carter
Joseph and Sheree Chandrl
Andrew and Sara Clark
Justin and Stephanie Curtis
Jackeline Dennis
Juanita Edwards
Jerry and Chris Frazier
Kristen Gambrell
Brent and Rachel Graeber
Chandler and Jessica Greer
Eric and Jenifer Harbaugh-Cordell
Michael and Carolyn Hendricks
Brandon and Kathryn Hilton
Jonathan and Gina Hungerford
Amber and John Kenney
Jonathan and Lauren Kessler
Hayden Knighton
Anna and Liene Kukainis
Jamie and Dave Langenhan
Jerry and Jaclyn Lanier
David and Cynthia Laursen
Ray and Carrie Norell
Jim and Katie Pitts
Shabnam and John Pourmand
Aaron and Jere Ranallo
Ron and Tommie Reece
Anthony and Joanna Reese
Wyatt and Amanda Rosenlund
Matt and Courtney Russo
Chase and Melanie Samples
Julian and Anthea Samuel
Tony and Jane Schiavone
Debra and Ariel Sisler
Jeremy and Heather Snyder
Dick and Caroline Stewart
Jason and Melissa Stone
Marisa and Joe Trzemzalski
Stefan Voss and Leanne Fink
Rob and Julie Weber
Nancy and Meredith Williams
Robert and Madison Wilson
Paul and Marsha Winston

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