



New!

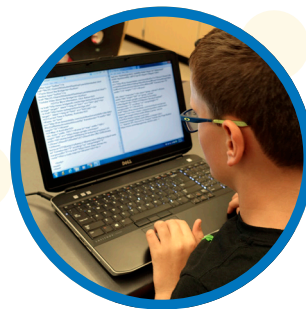
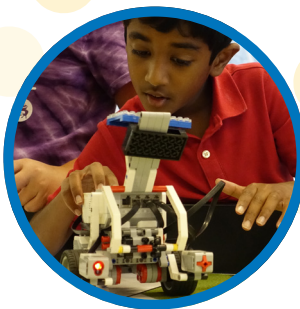
Look for the icon to see the latest camp offerings for your age group.

Register Online at RoperMountain.org

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

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

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



Roper Mountain

Summer 2023

Activity-based camps that mix learning and fun!

RoperMountain.org



Summer Adventure June 1 – July 29, 2023

- Explore our new building & exhibits
- Encounter traveling exhibit "How People Make Things"
- Pet a stingray in our Marine Lab
- Discover our Living History Farm
- New Outdoor Dinosaur Trails
- And so much more...



Summer Exploration Camps

This guide lists all the different hands-on camps offered in Roper Mountain labs, habitats and classrooms. Camps are arranged by the grade your student will complete at the end of this school year. Each camp is filled with exciting activities and materials, many of which campers can take home to extend their experience. 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 7

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.

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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 first 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 29

- Explore our new building & exhibits
- Encounter traveling exhibit "How People Make Things"
- 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

Fairy Tales at Roper Mountain

New!

We'll have some classic fairy tales read to us, and then explore the wooded trails, treehouses, gardens, bridge and farm to re-enact our fairy tale of the day! Campers will create projects, sing songs, play games and act out fairy tales with puppets. Stories will include *Jack and the Beanstalk*, *Little Red Riding Hood*, *The Three Little Pigs*, *The Billy Goats Gruff* and more.

Session: 1

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: K4 or K5

Instructor: Leslie Baxley

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

Dates: June 5 - 9

Times: 9:00am - 12noon

Completed Grades: K4 or K5

Instructor: Jasmin Poor

Location: Symmes Hall Lab 7

Fee: \$150

Session: 2

Dates: June 26 - 30

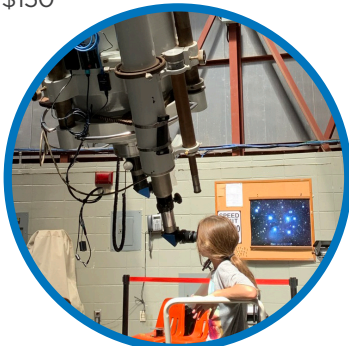
Times: 9:00am - 12noon

Completed Grades: K4 or K5

Instructor: Jasmin Poor

Location: Symmes Hall Lab 7

Fee: \$150



Students
in completed
grade K4
will be attending
K5 in the 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

Dates: June 12 - 16

Times: 9:00am - 12noon

Completed Grades: K4 or K5

Instructor: Erin EuDaly

Location: Symmes Hall Lab 7

Fee: \$150

Session: 2

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: K4 or K5

Instructor: Erin EuDaly

Location: Symmes Hall Lab 7

Fee: \$150

Fancy Nancy

New!

Ooh La La! This exquisite camp is inspired by the *Fancy Nancy* series by Jane O'Connor. Campers will become Explorers Extraordinaire as we learn about bugs, butterflies and other critters. As Aspiring Artists, we will draw and create beautiful artwork, and cultivate our inner Fashionista with a fashion show. Can't wait to see you there - au revoir!

Session: 1

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: K4 or K5

Instructor: Leslie Baxley

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, unicorn cloud dough, sea monster slime, and more!

Session: 1

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: K4 or K5

Instructor: Ashley Zalabak

Location: Discovery Room D

Fee: \$150



Register
Online

RoperMountain.org

10%
Members
Receive
a 10%
Discount!

Completed Grades K5 or 1

Seussapalooza

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

Session: 1

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Madison Mann

Location: Symmes Hall Lab 4

Fee: \$150

Pirates & Buccaneers

New!

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

Session: 1

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Leslie Baxley

Location: Symmes Hall Lab 8

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

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Susan Shaw

Location: 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

Dates: June 5 - 9

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Kristin LaRoy

Location: Symmes Hall Lab 3

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

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Erin EuDaly

Location: Symmes Hall Lab 8

Fee: \$150

Session: 2

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Erin EuDaly

Location: Symmes Hall Lab 8

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

Dates: June 5 - 9

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Lisa Dye

Location: Living History Farm

Fee: \$150

Session: 2

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Dana Lackey

Location: Living History Farm

Fee: \$150

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: June 12 - 16

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Lydia Burgess

Location: Symmes Hall Lab 3

Fee: \$150

Camp Curiosity

New!

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

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: K5 or 1

Instructor: Donna Bradt

Location: Symmes Hall Lab 6

Fee: \$150

Completed Grades 1 or 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 10 - 14

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Susan Shaw

Location: Conference Center

Fee: \$150



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 5 - 9

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

Session: 2

Dates: June 12 - 16

Times: 9:00am - 12noon

Completed Grades: 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

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

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 12 - 16

Times: 9:00am - 4:00pm

Completed Grades: 1 or 2

Instructor: Stacey Merritt

Location: Symmes Hall Lab 8

Fee: \$285

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 17 - 21

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Susan Shaw

Location: Conference Center

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

Dates: June 26 - 30

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Tim Taylor

Location: Discovery Room A

Fee: \$150

Animal

Habitats FULL DAY

New!

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

Dates: July 31 - Aug 4

Times: 9:00am - 4:00pm

Completed Grades: 1 or 2

Instructor: Tim Taylor

Location: Ecology Lab

Fee: \$300

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

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

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Ragan Brown

Location: Astronomy Classroom

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 bake over an open hearth. Campers will enjoy making their own potpourri, wood cabins, and clothes pin dolls. We will help with house, barn and garden chores, including picking garden vegetables and fruit.

Session: 1

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: 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

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Amy St. John

Location: Conference Center

Fee: \$150



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

Dates: July 24 - 28

Times: 9:00am - 4:00pm

Completed Grades: 2 or 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 live creature!) you can take home. Learn what living things need to survive and make a terrarium tiny enough to wear as a necklace!

Session: 1

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Ashley Zalabak

Location: Discovery Room D

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 flapjacks like Laura did. Campers will practice simple sewing, make a corn husk doll, attend an old-fashioned school lesson, and dance to music Pa played on his fiddle. .

Little House I camp is not required.

Session: 1

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Lisa Dye

Location: Living History Farm

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

Dates: June 26 - 30

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Anne Howell

Location: Astronomy Classroom

Fee: \$150

New!



Completed Grades 2 or 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: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Elizabeth Koller

Location: Symmes Hall Lab 8

Fee: \$150

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

Session: 1

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Meg McKnight

Location: Discovery Room B

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

Dates: June 5 - 9

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Joe Blizzard

Location: Symmes Hall Lab 4

Fee: \$150

Session: 2

Dates: June 12 - 16

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Joe Blizzard

Location: Symmes Hall Lab 4

Fee: \$150

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 10 - 14

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

Fee: \$210

Session: 2

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

Fee: \$210

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

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: John Hurley

Location: Discovery Room 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

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

Land, Sea and Sky

New!

Using Roper Mountain's unique resources like the marine lab, planetarium and observatory, gardens and more, we will explore the features of the land, sea and sky as we discover how these vast and unique spaces are different from each other but also connected.

Session: 1

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Donna Frank

Location: Discovery Room C

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

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

Looking for
LEGO® Robotics?

See Pages 13-14

Completed Grades 3 or 4

Amazing Puzzle Challenge New!

Put on your thinking caps and join the Amazing Puzzle Challenge! Working alone and in teams we'll decode and decipher different ways to approach puzzles including escape room style dilemmas, low-ropes course challenges, Rubik's cubes and more! We'll search for a daily clue and put it into a bigger puzzle that we'll solve by weeks end.

Session: 1

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Amy St. John

Location: Conference Center

Fee: \$150



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 12 - 16

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Mirna Hawthorne

Location: Symmes Hall Lab 1

Fee: \$150

Session: 2

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Matt Taylor

Location: Symmes Hall Lab 5

Fee: \$150

Session: 3

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: 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

Dates: June 12 - 16

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Ragan Brown

Location: Astronomy Classroom

Fee: \$150



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: June 26 - 30

Times: 9:00am - 4:00pm

Completed Grades: 3 or 4

Instructor: Caitlin Drummond

Location: Symmes Hall Lab 8

Fee: \$285

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

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

Session: 2

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: 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, 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 will be a week filled with fun!

Session: 1

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Caitlin Drummond

Location: Discovery Room D

Fee: \$150

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.

Session: 1

Dates: June 26 - 30

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Kyle Rollins

Location: Universe Classroom

Fee: \$150

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: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

Fee: \$150

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 12 - 16

Times: 9:00am - 4:00pm

Completed Grades: 3 or 4

Instructor: Tim Taylor

Location: Discovery Room B

Fee: \$315

2
Field
Trips!

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 13-14

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 5 - 9

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Erin EuDaly

Location: Symmes Hall Lab 8

Fee: \$175



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

Dates: June 5 - 9

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Anne Howell

Location: Shelter 10

Fee: \$150

Session: 2

Dates: June 12 - 16

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Anne Howell

Location: Shelter 10

Fee: \$150



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

Dates: July 24 - 28

Times: 9:00am - 4:00pm

Completed Grades: 4 or 5

Instructor: Jasmin Poor

Location: Symmes Hall Lab 7

Fee: \$285

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 19 - 23

Times: 9:00am - 4:00pm

Completed Grades: 4 or 5

Instructor: Joe Blizzard

Location: Symmes Hall Lab 3

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

Session: 1

Dates: July 31 - Aug 4

Times: 9:00am - 4:00pm

Completed Grades: 4 or 5

Instructor: Multi

Location: Multi

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

Session: 1

Dates: June 26 - 30

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Ashley Zalabak

Location: Discovery Room D

Fee: \$150

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 hands-on atmosphere. We'll use the garden as a STEM exploration lab.

Session 1

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

Session: 1

Dates: June 26 - 30

Times: 9:00am - 4:00pm

Completed Grades: 4 or 5

Instructor: GGMG

Location: Shelter 10

Fee: \$220

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 10 - 14

Times: 9:00am - 4:00pm

Completed Grades: 4 or 5

Instructor: GGMG

Location: Shelter 10

Fee: \$220

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

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 26 - 30

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Dana Lackey

Location: Living History Farm

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

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Maggie Connelly

Location: Astronomy Classroom

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

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: John Hurley

Location: Discovery Room D

Fee: \$150

Session: 2

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Glenn Sparkman

Location: Astronomy Classroom

Fee: \$150

Session: 3

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Glenn Sparkman

Location: Astronomy Classroom

Fee: \$150

Web Architects

New!

Learn today what you can build for the future! This course teaches campers how to entrepreneurially invent 3D-printable products and use the foundational language of website coding, HTML and CSS, to create awesome websites for them! By the end of the week, our architects will be able to construct a website with interactive features that gives them entrepreneurial skills to take into their future classrooms and beyond.

Session: 1

Dates: June 26 - 30

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Towns Lenihan

Location: Conference Center

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.



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

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Val Mosher

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

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Bronwyn White

Location: Symmes Hall Lab 4

Fee: \$150

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: July 10 - 14

Times: 9:00am - 4:00pm

Completed Grades: 5, 6 or 7

Instructor: Todd Childers

Location: Symmes Hall Lab 1

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 12 - 16

Times: 9:00am - 12noon

Completed Grades: 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

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Val Mosher

Location: Symmes Hall Lab 6

Fee: \$150

Session: 2

Dates: June 26 - 30

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Chris Beyerle

Location: Symmes Hall Lab 6

Fee: \$150

Session: 3

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Ken Morrill

Location: Symmes Hall Lab 6

Fee: \$150

Session: 4

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Chris Beyerle

Location: Symmes Hall Lab 6

Fee: \$150

10%
Members
Receive
a 10%
Discount!

Looking for
LEGO® Robotics?

See Pages 13-14



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

Dates: June 5 - 9

Times: 9:00am - 4:00pm

Completed Grades: 5, 6 or 7

Instructor: Meg McKnight

Location: Ecology Lab

Fee: \$315

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

Dates: June 26 - 30

Times: 9:00am - 4:00pm

Completed Grades: 5, 6 or 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 5 - 9

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Jenn Romatelli

Location: Astronomy Classroom

Fee: \$195



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 10 - 14

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Bronwyn White

Location: Symmes Hall Lab 4

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

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: 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+

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

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: Ages 12 and up

Instructor: Chris Beyerle

Location: Symmes Hall Lab 3

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

Dates: June 5 - 9

Times: 9:00am - 12noon

Completed Grades: Ages 12 and up

Instructor: Maggie Connelly

Location: Conference Center

Fee: \$150

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 times 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 10 - 14

Times: 9:00am - 12noon

Completed Grades: Ages 12 and up

Instructor: John Hurley

Location: Discovery Room C

Fee: \$150

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 with animals at Roper Mountain.

Session: 1

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: Ages 12 and up

Instructor: Dave Grubaugh

Location: Discovery Room B

Fee: \$150

Treasure Mountain

We've found an old map buried in the RMSC archives and now we need some intrepid explorers to help us decipher it! We'll explore mystery and treasure hunting stories, archaeology, puzzle solving, code breaking, riddles and maybe even a snake encounter as we interpret the map and uncover its secrets. Bring your best solving strategies and sense of adventure as we explore Treasure Mountain and unearth the treasure!

Session: 1

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: Ages 12 and up

Instructor: Anne Howell

Location: Discovery Room C

Fee: \$150

Advanced Digital Movie Making FULL DAY

New!

Campers will work with video editing software to create special effects, video overlays and basic motion graphics. Emphasis will be on story-telling using quality editing techniques. Explore green screening, color filters, sound FX, voiceovers and narration, audio mixing and titling. Each day will be focused on another tool to use in making digital movies.

Digital Movie Making is recommended but not required.

Session: 1

Dates: July 17 - 21

Times: 9:00am - 4:00pm

Completed Grades: Ages 12 and up

Instructor: Ken Morrill

Location: Symmes Hall Lab 4

Fee: \$285

Laugh Factory Creating Comedy Gold

New!

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

Session: 1

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: Ages 12 and up

Instructor: Harrison Brookie

Location: Auditorium

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, 2023
- 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

Dates: June 5 - 9

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Kim Roberts

Location: Symmes Hall Lab 2

Fee: \$150

Session: 3

Dates: June 26 - 30

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Coby Dixon

Location: Symmes Hall Lab 2

Fee: \$150

Session: 5

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Kathie Fox

Location: Symmes Hall Lab 2

Fee: \$150

Session: 2

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Kathie Fox

Location: Symmes Hall Lab 2

Fee: \$150

Session: 4

Dates: July 17 - 21

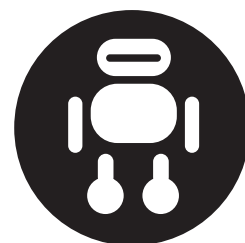
Times: 9:00am - 12noon

Completed Grades: 1 or 2

Instructor: Kim Roberts

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

Dates: June 12 - 16

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Coby Dixon

Location: Symmes Hall Lab 2

Fee: \$150

Session: 2

Dates: June 19 - 23

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Donna Frank

Location: Symmes Hall Lab 1

Fee: \$150

Session: 3

Dates: July 10 - 14

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Kathie Fox

Location: Symmes Hall Lab 2

Fee: \$150

Session: 4

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: 2 or 3

Instructor: Kathie Fox

Location: Symmes Hall Lab 2

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

Dates: June 26 - 30

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Val Mosher

Location: Symmes Hall Lab 1

Fee: \$150

Session: 2

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Coby Dixon

Location: Symmes Hall Lab 1

Fee: \$150

Session: 3

Dates: July 24 - 28

Times: 9:00am - 12noon

Completed Grades: 3 or 4

Instructor: Coby Dixon

Location: Symmes Hall Lab 1

Fee: \$150

Session: 4

Dates: July 31 - Aug 4

Times: 9:00am - 12noon

Completed Grades: 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 programming.

Session: 1

Dates: June 5 - 9

Times: 9:00am - 12noon

Completed Grades: 4 or 5

Instructor: Coby Dixon

Location: Symmes Hall Lab 1

Fee: \$150



New!

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 the engineering design process, campers will plan, build, and market their innovative robots.

Session: 1

Dates: July 17 - 21

Times: 9:00am - 12noon

Completed Grades: 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. 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 26 - 30

Times: 9:00am - 12noon

Completed Grades: 5, 6 or 7

Instructor: Matt Taylor

Location: Symmes Hall Lab 5

Fee: \$150

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 12 - 16

Times: 9:00am - 12noon

Completed Grades: 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+

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Community Foundation of Greenville
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