Summer 2024
Activity-based camps that mix learning and fun!

Roper Mountain Science Center

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.

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

Summer Adventure
June 1 - July 27, 2024
Explore our buildings and exhibits including our featured traveling exhibit "Here Be Dragons"

RoperMountain.org
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
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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 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 Planetarum
Summer, Halloween and Holiday Seasons
Completed Grades K4 or K5

**Science Explorers**
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

**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

*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

** 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:** Jasmin Poor
- **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

**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

*Session: 2*
- **Date:** June 3 - 7
- **Time:** 9:00am - 12noon
- **Completed Grade:** K4 or K5
- **Instructor:** Jasmin Poor
- **Location:** Symmes Hall Lab 8
- **Fee:** $150

Looking for LEGO® Robotics? See Pages 14-15

Register Online RoperMountain.org

Members Receive a 10% Discount!
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: Lydia Burgess
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 10 - 14
Time: 9:00am - 12noon
Completed Grade: 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! 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

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

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:** Wilkins 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  
**Date:** July 22 - 26  
**Time:** 9:00am - 12noon  
**Completed Grade:** 1 or 2  
**Instructor:** Kyle Rollins  
**Location:** Universe Classroom  
**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

Register Online  
RoperMountain.org

Members Receive a 10% Discount!
Animal Habitats FULL DAY
From rainforest to butterfly garden, and from pond to woodland – each day will bring new adventures as students explore a different habitat theme. We will enjoy engaging story times, creative craft projects, guided outdoor hikes and live animal interactions. Investigation destinations include the nature trails and gardens as well as a field trip to the wetland habitats 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.

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 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

Register Online
RoperMountain.org
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

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

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

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

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
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

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

**Session:** 2  
**Date:** July 29 - Aug 2  
**Time:** 9:00am - 12noon  
**Completed Grade:** 2 or 3  
**Instructor:** Kyle Rollins  
**Location:** Universe Classroom  
**Fee:** $150

Dino Detectives
Can scientists bring dinosaurs and other prehistoric animals back to life using DNA? We’ll explore the mysteries that surround these extinct animals as we examine real fossils, explore and catalog our dinosaur trail, meet living fossils, and study microscopic dinosaurs. We’ll investigate a future where creatures like the wooly mammoth might live again!

**Session:** 1  
**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

Looking for LEGO® Robotics?
See Pages 14-15

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
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

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

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

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

Session: 1
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

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

Members Receive a 10% Discount!

Looking for LEGO® Robotics? See Pages 14-15

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

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

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

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.
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

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 OWL 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

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.

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

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
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

Tabletop Adventures
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

Rock Hounds
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

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

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
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

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: June 24 - 28
Time: 9:00am - 12noon
Completed Grade: 5, 6 or 7
Instructor: Jasmin Poor
Location: Symmes Hall Lab 4
Fee: $150

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

Looking for LEGO® Robotics?
See Pages 14-15
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
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
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

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

Looking for LEGO® Robotics?
See Pages 14-15

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.

<table>
<thead>
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<th>Camp</th>
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<th>WeDo 1.0 Platform</th>
<th>WeDo 2.0 Platform</th>
<th>Scratch Based Programming</th>
<th>EV3 Platform</th>
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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: 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: 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: 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: 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: 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 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

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**LEGO® Robotics**

**Inventing with LEGO Spike Prime**
Using the LEGO® Spike Prime kits, you’ll design and build robots to meet challenging scenarios. Learn how to control motors and use sensors; once you master the basics, we’ll move to more advanced design challenges! Can you design and build a handheld grabber tool? A bot without wheels? A safe that unlocks based on your code? We’ll learn and apply physical science and math principles along the way.

*Session: 1*
*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:* Coby Dixon
*Location:* Symmes Hall Lab 1
*Fee:* $150

*Session: 3*
*Date:* July 22 - 26
*Time:* 9:00am - 12noon
*Completed Grade:* 3 or 4
*Instructor:* Coby Dixon
*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

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**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

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**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.

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Greenville Water
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