Summer Exploration Camps
Roper Mountain Science Center

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

Register Online at RoperMountain.org

Members only online registration
Monday, March 15 through Tuesday, March 16

Monday, March 15 is online member registration only, beginning 7:00am. No walk-in registration.

Public registration opens online Wednesday, March 17 at 8:00am.

Summer Adventure
June 1 – August 14, 2021

• Explore our new building & exhibits
• Encounter traveling exhibit “BE THE DINOSAUR”
• Pet a stingray in our Marine Lab
• Discover our Living History Farm
• New Outdoor Dinosaur Trails
• And so much more...

Roper Mountain
Summer 2021
Activity-based camps that mix learning and fun!

RoperMountain.org
Welcome!

Last year was a difficult year, and we missed hosting our popular summer camps. However, we are excited to return for another great summer here at Roper Mountain! Our Summer Exploration Camps continue to offer a wide range of topics for students who have completed K4 through grade 9, including new offerings denoted in the guide. We have reduced the size of our classes and will have safety protocols in place based upon the guidelines at the time camps begin. We also have fewer offerings this year so don’t miss out on early member registration.

New this year will be our 11 week Summer Adventure featuring a brand new 29,000 square foot Environmental Science and Sustainability building showcasing the travelling exhibit “Be the Dinosaur” as well as three permanent exhibits: Our Water Story, Sustainable Future, and the Nature Exchange. Beginning Tuesday, June 1 through Saturday August 14, you’ll have an opportunity to experience our new exhibits and building, explore a new outdoor Dinosaur Trail, as well visit Harrison Hall, Wildwood and the Living History Farm. Summer Adventure is open Tuesday through Saturday, 10:00am to 4:00pm.

Laser Days of Summer will also return to the Planetarium – more details will be available regarding shows and schedule soon.

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

In This Guide

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

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LEGO® Robotics.................................................................................................................................11, 12, 13
Octonaut’s Ocean
Come join Captain Barnacles and be part of his crew! This camp is based on the beloved Octonaut book series by Meomi. We will explore the ocean and learn about the creatures that live there. Each day we will explore the Marine Lab and learn about an animal and its ocean habitat. Then we’ll have fun with daily crafts or hands-on activities.

Session: 1
Dates: June 14 - 18
Times: 9:00am - 12noon
Completed Grades: K4 and K5
Instructor: Leslie Baxley
Location: Mineral Lab
Fee: $125

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: July 12 - 16
Times: 9:00am - 12noon
Completed Grades: K4 and K5
Instructor: Erin EuDaly
Location: Symmes Hall Lab 9
Fee: $125

Session: 2
Dates: July 19 - 23
Times: 9:00am - 12noon
Completed Grades: K4 and K5
Instructor: Erin EuDaly
Location: Symmes Hall Lab 9
Fee: $125
Coding Trailblazers
Journey into the world of coding! We'll start with basic coding concepts, then use a variety of unplugged and online coding activities to refine your skills. Campers will work on individual and collaborative group tasks. Combine creativity with problem solving as you blaze a trail into the knowledge of computer coding!

Session: 1
Dates: June 7 - 11
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Matt Taylor
Location: Symmes Hall Lab 4
Fee: $125

Session: 2
Dates: June 14 - 18
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Matt Taylor
Location: Symmes Hall Lab 4
Fee: $125

Session: 3
Dates: July 19 - 23
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Matt Taylor
Location: Symmes Hall Lab 7
Fee: $125

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

Session: 1
Dates: June 28 - July 2
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Kelly Wright
Location: Symmes Hall Lab 9
Fee: $125

Session: 2
Dates: July 26 - 30
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Kristin LaRoy
Location: Symmes Hall Lab 8
Fee: $125

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

Session: 1
Dates: June 21 - 25
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Erin EuDaly
Location: Symmes Hall Lab 9
Fee: $125

Session: 2
Dates: August 2 - 6
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Erin EuDaly
Location: Symmes Hall Lab 9
Fee: $125

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 7 - 11
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Kristin LaRoy
Location: Symmes Hall Lab 3/5
Fee: $125

Session: 2
Dates: July 26 - 30
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Kristin LaRoy
Location: Symmes Hall Lab 8
Fee: $125

Curiosity Kids
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 12 - 16
Times: 9:00am - 12noon
Completed Grades: K5 and 1
Instructor: Joe Blizzard
Location: Symmes Hall Lab 3/5
Fee: $125

Register Online
RoperMountain.org
Looking for LEGO® Robotics? See Pages 11-13
**Solar System Explorers**
Your explorer will have an exciting week learning all about our solar system, constellations, and galaxies beyond our own as they make their very own solar system book. We will make solar system shirts, stars, moons, and space shuttles. Students will also learn about our space station and the upcoming mission to Mars.

**Dates:** June 7 - 11  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Susan Shaw  
**Location:** Astronomy Classroom  
**Fee:** $125

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

**Session:** 1  
**Dates:** July 19 - 23  
**Times:** 9:00am - 4:00pm  
**Completed Grades:** 1 and 2  
**Instructor:** Tim Taylor  
**Location:** Discovery Room B  
**Fee:** $285

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

**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 28 - July 2  
**Times:** 9:00am - 4:00pm  
**Completed Grades:** 1 and 2  
**Instructor:** Stacey Merritt  
**Location:** Symmes Hall Lab 10  
**Fee:** $275

**Jurassic Giants**
Campers will go back in time exploring pre-history as they learn about the lives and extinction of dinosaurs by making their own dino book. They will use their imagination as they create a dinosaur and a dinosaur terrarium that they can watch grow all week. We will have fun with daily dino crafts and hands on activities!

**Session:** 1  
**Dates:** June 14 - 18  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Susan Shaw  
**Location:** Astronomy Classroom  
**Fee:** $125

**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:** June 7 - 11  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Kyle Rollins  
**Location:** Mineral Lab  
**Fee:** $125

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

**Session:** 1  
**Dates:** June 28 - July 2  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Tim Taylor  
**Location:** Discovery Room A  
**Fee:** $125

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

**Session:** 1  
**Dates:** June 21 - 25  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Jennifer Brown  
**Location:** Astronomy Classroom  
**Fee:** $125

Members Receive a 10% Discount!
**Completed Grades 1-2**

**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 12 - 16  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Susan Shaw  
**Location:** Symmes Hall Lab 4  
**Fee:** $125

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

**Session:** 1  
**Dates:** July 12 - 16  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Lisa Dye  
**Location:** Living History Farm  
**Fee:** $125

**Magic Tree House Adventure**
We’ll go on magical journeys to faraway lands and ages past: Ancient Greece, medieval times, Japan and to the Moon. Explore the Amazon Jungle, Ancient Rome and more through crafts, games, discovery, and imagination. We will travel to the planetarium, rainforest, marine lab, farm, Wildwood, and, of course, our tree house!

**Session:** 1  
**Dates:** July 19 - 23  
**Times:** 9:00am - 4:00pm  
**Completed Grades:** 2 and 3  
**Instructor:** Lisa Dye  
**Location:** Living History Farm  
**Fee:** $275

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

**Session:** 1  
**Dates:** June 28 - July 2  
**Times:** 9:00am - 12noon  
**Completed Grades:** 2 and 3  
**Instructor:** Erin EuDaly  
**Location:** Mineral Lab  
**Fee:** $125

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

**Session:** 1  
**Dates:** June 14 - 18  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Erin EuDaly  
**Location:** Symmes Hall Lab 9  
**Fee:** $125

**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 1800s medicine, the present as we design a roller coaster and the future when we build a tower to the moon! It will be a fun week of hands-on investigation activities as we become Science Sleuths!

**Session:** 1  
**Dates:** August 2 - 6  
**Times:** 9:00am - 12noon  
**Completed Grades:** 1 and 2  
**Instructor:** Amy St. John  
**Location:** Symmes Hall Lab 8  
**Fee:** $125

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See Pages 11-13
Completed Grades 2–3

**Little House on the Farm II**
Campers will try their hand at the chores, crafts, and way of life that Laura Ingalls and her family experienced. We’ll go herb picking, write with quill pens, clean laundry with a washboard, and cook flapjacks like Laura did. Campers will practice simple sewing, make a corn husk doll, attend an old-fashioned school lesson, and listen to music Pa played on his fiddle. *Little House I camp is not required.*

**Session: 1**
**Dates:** June 7 - 11
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Lisa Dye
**Location:** Living History Farm
**Fee:** $125

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

**Session:** 1
**Dates:** June 7 - 11
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Donna Frank
**Location:** Symmes Hall Lab 9
**Fee:** $125

**Session:** 2
**Dates:** August 2 - 6
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Donna Frank
**Location:** Universe Classroom
**Fee:** $125

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

**Session:** 1
**Dates:** June 14 - 18
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Kyle Rollins
**Location:** Rainforest Classroom
**Fee:** $125

**Session:** 2
**Dates:** June 21 - 25
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Kyle Rollins
**Location:** Rainforest Classroom
**Fee:** $125

**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 12 - 16
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Anne Howell
**Location:** Symmes Hall Lab 8
**Fee:** $125

**Session:** 2
**Dates:** August 2 - 6
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Joe Blizzard
**Location:** Symmes Hall Lab 3/5
**Fee:** $125

**Scratch-Made Games**
Future coders will venture into programming and computer science using the Scratch 3 online program. Learn some coding basics while you design various games and interactives using Scratch. *This is a basic foundations course; little to no prior experience with coding or Scratch is preferred.*

**Session:** 1
**Dates:** June 7 - 11
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Joe Blizzard
**Location:** Symmes Hall Lab 2
**Fee:** $125

**Session:** 2
**Dates:** June 21 - 25
**Times:** 9:00am - 12noon
**Completed Grades:** 2 and 3
**Instructor:** Joe Blizzard
**Location:** Symmes Hall Lab 2
**Fee:** $125

Looking for LEGO® Robotics? See Pages 11-13

Members Receive a 10% Discount!
Junior Web  **FULL DAY**  Designers
There’s no better way to present a school project then with a well-designed webpage! Campers will learn how to design a webpage utilizing HTML and CSS foundational coding language. In addition to basic coding concepts, students will learn skills like organizing text and data on a web page, inserting images, using different fonts and colors, creating borders, and more! Get ready to impress your teachers as you “show what you know” in the form of an awesome webpage!

**Session:** 1  
**Dates:** August 2 - 6  
**Times:** 9:00am - 4:00pm  
**Completed Grades:** 3 and 4  
**Instructor:** Matt Taylor  
**Location:** Symmes Hall Lab 2  
**Fee:** $275

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

**Session:** 1  
**Dates:** July 19 - 23  
**Times:** 9:00am - 4:00pm  
**Completed Grades:** 3 and 4  
**Instructor:** Emilye Faust  
**Location:** Universe Classroom  
**Fee:** $275

Illusioneering  **FULL DAY**  
Calling future magicians! Come learn about basic illusions and the science (and trickery) behind them. Investigate magic props and even build a couple of your own. Understand the art of presenting and have a chance to design your own mini-magic show. Sign up before all of the spots disappear!

**Session:** 1  
**Dates:** June 14 - 18  
**Times:** 9:00am - 12noon  
**Completed Grades:** 3 and 4  
**Instructor:** Joe Blizzard  
**Location:** Symmes Hall Lab 8  
**Fee:** $125

Junior Naturalist  **FULL DAY**  
In this nature camp, students will conduct investigations through explorations and discoveries in the woods and in the waters of Roper Mountain and at Paris Mountain State Park. Junior naturalists will develop skills necessary to appreciate the outdoors and learn to read clues from nature. Inside the lab, students will practice nature ID skills and make collections as they learn about nature. Plans include two field trips to Paris Mountain State Park.

**Session:** 1  
**Dates:** July 12 - 16  
**Times:** 9:00am - 4:00pm  
**Completed Grades:** 3 and 4  
**Instructor:** Tim Taylor  
**Location:** Discovery Room B  
**Fee:** $295  

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

Crazy Contraptions  **NEW!**  
Let your emerging creator shine in this fun and challenging camp! We will build chain reaction machines like those made famous by Rube Goldberg where a seemingly simple task is made unnecessarily complicated. Simple machines like ramps, levers, wheels and more will be used to make fun and innovative designs. You’ll put all your creativity together at the end of the week with our big machine challenge!

**Session:** 1  
**Dates:** July 26 - 30  
**Times:** 9:00am - 12noon  
**Completed Grades:** 3 and 4  
**Instructor:** Val Mosher  
**Location:** Symmes Hall Lab 3/5  
**Fee:** $125

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

**Session:** 1  
**Dates:** June 7 - 11  
**Times:** 9:00am - 12noon  
**Completed Grades:** 3 and 4  
**Instructor:** Caitlyn Drummond  
**Location:** Universe Classroom  
**Fee:** $125

Junior Rocketry  **FULL DAY**  
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 7 - 11  
**Times:** 9:00am - 12noon  
**Completed Grades:** 3 and 4  
**Instructor:** Erin EuDaly  
**Location:** Symmes Hall Lab 10  
**Fee:** $125

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

Kids will experience the world around us in a deeper way through this nature-inspired outdoor and indoor art camp. We will use the power of observation to study plant and animal patterns, structures with microscopes, and unique features to sketch, paint, and create imaginative arts and crafts.

- **Session:** 1
- **Dates:** August 2 - 6
- **Times:** 9:00am - 12noon
- **Completed Grades:** 3 and 4
- **Instructor:** Richane Robbins
- **Location:** Design Lab
- **Fee:** $125

**Disaster Engineering**

Push your skills and designs to the limits! Stop an avalanche, build a hurricane resistant structure, construct a tower of power, and figure out the best solutions to engineering challenges. We’ll design, build, destroy, and build! Come use your creative skills to save the day!

- **Session:** 1
- **Dates:** June 28 - July 2
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Susan Shaw
- **Location:** Symmes Hall Lab 4
- **Fee:** $125

**Completed Grades 3–4**

**Art in Nature**

Kids will experience the world around us in a deeper way through this nature-inspired outdoor and indoor art camp. We will use the power of observation to study plant and animal patterns, structures with microscopes, and unique features to sketch, paint, and create imaginative arts and crafts.

- **Session:** 1
- **Dates:** August 2 - 6
- **Times:** 9:00am - 12noon
- **Completed Grades:** 3 and 4
- **Instructor:** Richane Robbins
- **Location:** Design Lab
- **Fee:** $125

**Disaster Engineering**

Push your skills and designs to the limits! Stop an avalanche, build a hurricane resistant structure, construct a tower of power, and figure out the best solutions to engineering challenges. We’ll design, build, destroy, and build! Come use your creative skills to save the day!

- **Session:** 1
- **Dates:** June 28 - July 2
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Susan Shaw
- **Location:** Symmes Hall Lab 4
- **Fee:** $125

**Completed Grades 4-5**

**Disaster Engineering**

Push your skills and designs to the limits! Stop an avalanche, build a hurricane resistant structure, construct a tower of power, and figure out the best solutions to engineering challenges. We’ll design, build, destroy, and build! Come use your creative skills to save the day!

- **Session:** 1
- **Dates:** June 28 - July 2
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Susan Shaw
- **Location:** Symmes Hall Lab 4
- **Fee:** $125

**Pioneer Apprentice**

Did you ever wonder what life was like for a pioneer 200 years ago? We'll explore farm life and skills from the 1800's, 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 21 - 25
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Dana Lackey
- **Location:** Living History Farm
- **Fee:** $125

**Looking for LEGO® Robotics?**

See Pages 11-13

10% Members Receive a 10% Discount!
Myth & Magic
You’re the hero in our Myth and Magic on the mountain camp! We’ll learn about some of the greatest heroes from page and screen, like Harry Potter, Percy Jackson, Moana, Rey and others as we identify the story-telling elements of a hero’s quest. Throughout the week, you’ll embark on your own hero’s journey, take on epic quests and gather legendary tools to help you on your way.

- **Session:** 1
- **Dates:** June 14 - 18
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Jasmin Poor
- **Location:** Universe Classroom
- **Fee:** $125

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

- **Session:** 1
- **Dates:** June 21 - 25
- **Times:** 9:00am - 4:00pm
- **Completed Grades:** 4 and 5
- **Instructor:** Matt Taylor
- **Location:** Symmes Hall Lab 4
- **Fee:** $275

Galactic Hackers **NEW! 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 28 - July 2
- **Times:** 9:00am - 4:00pm
- **Completed Grades:** 4 and 5
- **Instructor:** Joe Blizzard
- **Location:** Symmes Hall Lab 3/5
- **Fee:** $275

Castles & Catapults
Calling all Lords and Ladies to the round table! Discover the fascinating world of knights and the Middle Ages as teams of students design their catapult and use it to try and bring down another team’s castle. Squires in training will design their own coat of arms and attach it to a shield they build. We will learn archery, try our luck in a jousting obstacle course, and end our quest with a Medieval Faire

- **Session:** 1
- **Dates:** August 2 - 6
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Jenn Romatelli
- **Location:** Astronomy Classroom
- **Fee:** $125

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 12 - 16
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Maggie Connelly
- **Location:** Astronomy Classroom
- **Fee:** $125

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

- **Session:** 1
- **Dates:** July 19 - 23
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Glenn Sparkman
- **Location:** Symmes Hall Lab 10
- **Fee:** $125

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:** July 19 - 23
- **Times:** 9:00am - 12noon
- **Completed Grades:** 4 and 5
- **Instructor:** Anne Howell
- **Location:** Symmes Hall Lab 3/5
- **Fee:** $125
Early American Farm Life
Travel back in time to the 1800’s Living History Farm where we will cook some delicious treats over the hearth fire, tend the vegetable garden, feed the farm animals, and perform other daily chores. Explore the world of fibers, including weaving and indigo dyeing. Have some fun playing games of the time period. Campers will create useful items with natural materials, and get to take them home. We’ll end our week with old fashioned ice cream we make ourselves!
Session: 1
Dates: June 28 - July 2
Times: 9:00am - 12noon
Completed Grades: 5, 6, 7
Instructor: Chris Beyerle
Location: Symmes Hall Lab 8
Fee: $125

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 lunchstay and/or general camp assistance as needed.

Volunteers must:
• Be at least 14 years old as of June 1, 2021
• Be at least 2 grades higher than the highest grade level for any camp to which they are assigned
• Commit to the entire duration of the camp to which they are assigned (not longer than 1 week)
• Follow all safety protocols

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

Find the volunteer application on our website at RoperMountain.org
**VEX IQ** [New!]

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

**Session:** 1  
**Dates:** August 2 - 6  
**Times:** 9:00am - 12noon  
**Completed Grades:** Ages 12 and up  
**Instructor:** Chris Beyerle  
**Location:** Symmes Hall Lab 10  
**Fee:** $125

**Creative Carpentry** **FULL DAY**

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

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

**Session:** 1  
**Dates:** July 26 - 30  
**Times:** 9:00am - 4:00pm  
**Completed Grades:** Ages 12 and up  
**Instructor:** Rick Schwartz  
**Location:** Astronomy Classroom  
**Fee:** $275

**Drone Tech Flight School**

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

**Session:** 1  
**Dates:** June 14 - 18  
**Times:** 9:00am - 12noon  
**Completed Grades:** Ages 12 and up  
**Instructor:** Ken Morrill  
**Location:** Symmes Hall Lab 10  
**Fee:** $150

**Session:** 2  
**Dates:** July 12 - 16  
**Times:** 9:00am - 12noon  
**Completed Grades:** Ages 12 and up  
**Instructor:** Glenn Sparkman  
**Location:** Symmes Hall Lab 10  
**Fee:** $150

**Animal Care** [New!]

Students will work and train with the Animal Caretaker, learning many aspects of the animal care work that is performed on a routine basis. Such duties include: diet preparation and feeding, cleaning enclosures, proper handling and weighing of select animals, aquatic maintenance, and other basic animal husbandry needs. Students will work hands on with reptiles, amphibians, invertebrates, mammals, and fish.

*This class can also serve to prepare students who are interested in volunteering in Animal Care.*

**Session:** 1  
**Dates:** August 2 - 6  
**Times:** 9:00am - 12noon  
**Completed Grades:** Ages 12 and up  
**Instructor:** Dave Grubaugh  
**Location:** Discovery Room B  
**Fee:** $125

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**Early Drop-off**

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

**Extended Lunch Stay**

- Supervised lunch stay after your morning camp from 12-1.  
- Lunch is provided for campers. A menu will be published prior to camp start date. Campers are welcome to bring their own lunch.  
- 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 $45 per week, no member discount.  
- No refunds for cancellations received later than 7 days before camp start.
**LEGO® Robotics**

Which LEGO® Robotics camp is right for your student?

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

<table>
<thead>
<tr>
<th>Camp</th>
<th>No Experience Required</th>
<th>Experience Preferred</th>
<th>WeDo 1.0 Platform</th>
<th>WeDo 2.0 Platform</th>
<th>NEW! Spike Prime Platform</th>
<th>EV3 Platform</th>
<th>Focus on Building</th>
<th>Focus on Programming</th>
<th>Advanced Programming</th>
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<tr>
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<td>✓</td>
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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, a rescue airplane, a toy spinner and more! Using motors and sensors, campers will build and program robots to complete actions and behaviors. Drag and drop software provides an easy–to–use programming environment suitable for beginners.

**Session: 1**
- **Dates:** June 7 - 11
- **Times:** 9:00am - 12noon
- **Completed Grades:** 1 and 2
- **Instructor:** Kim Roberts
- **Location:** Symmes Hall Lab 1
- **Fee:** $125

**Session: 3**
- **Dates:** June 28 - July 2
- **Times:** 9:00am - 12noon
- **Completed Grades:** 1 and 2
- **Instructor:** Coby Dixon
- **Location:** Symmes Hall Lab 1
- **Fee:** $125

**Session: 5**
- **Dates:** August 2 - 6
- **Times:** 9:00am - 12noon
- **Completed Grades:** 1 and 2
- **Instructor:** Kathie Fox
- **Location:** Symmes Hall Lab 1
- **Fee:** $125

**Session: 2**
- **Dates:** June 21 - 25
- **Times:** 9:00am - 12noon
- **Completed Grades:** 1 and 2
- **Instructor:** Kathie Fox
- **Location:** Symmes Hall Lab 1
- **Fee:** $125

**Session: 4**
- **Dates:** July 19 - 23
- **Times:** 9:00am - 12noon
- **Completed Grades:** 1 and 2
- **Instructor:** Coby Dixon
- **Location:** Symmes Hall Lab 1
- **Fee:** $125
LEGO® Robotics

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

Session: 1
Dates: June 14 - 18
Times: 9:00am - 12noon
Completed Grades: 3 and 4
Instructor: Val Mosher
Location: Symmes Hall Lab 2
Fee: $125

Session: 2
Dates: June 21 - 25
Times: 9:00am - 12noon
Completed Grades: 3 and 4
Instructor: Coby Dixon
Location: Symmes Hall Lab 7
Fee: $125

Session: 3
Dates: June 28 - July 2
Times: 9:00am - 12noon
Completed Grades: 3 and 4
Instructor: Coby Dixon
Location: Symmes Hall Lab 1
Fee: $125

Session: 4
Dates: July 26 - 30
Times: 9:00am - 12noon
Completed Grades: 3 and 4
Instructor: Coby Dixon
Location: Symmes Hall Lab 1
Fee: $125

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

Session: 1
Dates: June 14 - 18
Times: 9:00am - 12noon
Completion Grades: 2 and 3
Instructor: Kathie Fox
Location: Symmes Hall Lab 1
Fee: $125

Session: 2
Dates: July 19 - 23
Times: 9:00am - 12noon
Completion Grades: 2 and 3
Instructor: Kathie Fox
Location: Symmes Hall Lab 2
Fee: $125

Session: 3
Dates: July 26 - 30
Times: 9:00am - 12noon
Completion Grades: 2 and 3
Instructor: Kathie Fox
Location: Symmes Hall Lab 2
Fee: $125

Session: 4
Dates: July 26 - 30
Times: 9:00am - 12noon
Completion Grades: 2 and 3
Instructor: Kathie Fox
Location: Symmes Hall Lab 2
Fee: $125

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 14 - 18
Times: 9:00am - 12noon
Completion Grades: 2 and 3
Instructor: Kathie Fox
Location: Symmes Hall Lab 1
Fee: $125

Session: 2
Dates: June 28 - July 2
Times: 9:00am - 12noon
Completion Grades: 2 and 3
Instructor: Kathie Fox
Location: Symmes Hall Lab 2
Fee: $125

Session: 3
Dates: July 12-16
Times: 9:00am - 12noon
Completion Grades: 2 and 3
Instructor: Coby Dixon
Location: Symmes Hall Lab 1
Fee: $125

Session: 4
Dates: July 26 - 30
Times: 9:00am - 12noon
Completion Grades: 2 and 3
Instructor: Coby Dixon
Location: Symmes Hall Lab 1
Fee: $125

New! LEGO® Robotics
Robot Builder Boot Camp
Calling all LEGO® robot builder enthusiasts! We’re looking for a few good recruits to come join our ranks to build some amazingly awesome bots. These are not your little brother or sister’s robots! Ready to rock n’ roll? Build a robotic guitar! Do you doodle? Build a Doodle-Bot! Or are you inspired by nature? We even have puppy and bunny bots. Of course, no bot boot camp would be complete without a reptilian raptor complete with fangs! Build, play, explore! Booyah!
Session: 1
Dates: August 2 - 6
Times: 9:00am - 12noon
Completed Grades: 4 and 5
Instructor: Coby Dixon
Location: Symmes Hall Lab 7
Fee: $125

Robot Academy
Campers will be introduced to the LEGO® EV3 robotics technology. They will build and program a robot to accomplish missions in the Green City challenge. Concepts taught include basic moving, turning, and introduction to the EV3 sensors. This is an introductory robotics camp designed for beginners.
Session: 1
Dates: June 7 - 11
Times: 9:00am - 12noon
Completed Grades: 4 and 5
Instructor: Coby Dixon
Location: Symmes Hall Lab 7
Fee: $125

Robot Inventor
Can you design a robot to take someone up the stairs or draw a picture? Creativity and programming meet in this camp! Using EV3 Robotics, students will design, build, and program robots to achieve tasks, complete challenges and take their design thinking skills to the next level.
Session: 1
Dates: July 12 - 16
Times: 9:00am - 12noon
Completed Grades: 4 and 5
Instructor: Carrie McConnell
Location: Symmes Hall Lab 7
Fee: $125

Mission to Mars
Learn to design and build robotic rovers that traverse “terrain” and sample the red planet’s ecosystem. 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 14 - 18
Times: 9:00am - 12noon
Completed Grades: 5, 6, 7
Instructor: Carrie McConnell
Location: Symmes Hall Lab 7
Fee: $125

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 redesign their Sumo bots and the week will culminate with a Sumo bot tournament.
Session: 1
Dates: July 26 - 30
Times: 9:00am - 12noon
Completed Grades: 5, 6, 7
Instructor: Matt Taylor
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Support Roper Mountain and enjoy benefits by becoming a member!

Benefits Include:
• Free admission to Friday Starry Nights, Summer Adventure, and select special events
• Discounted admission to Planetarium Laser Shows
• Summer Camp early notification, discounts and early registration
• Program and events discounts as noted on the website
• Admission to over 300 science centers and museums worldwide. Visit the Association of Science-Technology Centers and choose Passport Program to find participating facilities

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Visit RoperMountain.org to join today!
Summer Adventure
June 1 – August 14
10:00am – 4:00pm • Tuesday – Saturday

Buy tickets online at RoperMountain.org. Pre-purchase is recommended!
$12.00 per adult, $10.00 per child (age 4-12), FREE for RMSC members and children 3 and under.
Tickets are non-refundable.

- Explore our new building & exhibits including the Orientation, Nature Exchange, Our Water Story, and Sustainable Future
- Encounter traveling exhibit “BE THE DINOSAUR”
- Pet a stingray in our Marine Lab
- Discover our Living History Farm
- Visit the new Outdoor Dinosaur Trails
- And so much more...
Back by popular demand are your favorite bands set to lasers in the Planetarium. Cool off for two weeks in August with the following shows:

**August 6**
- 5:30pm Laser Pop Rox
- 7:30pm Pink Floyd: The Wall
- 9:30pm Laser Queen

**August 7**
- 5:30pm Laser Beatles
- 7:30pm Laser Bowie
- 9:30pm Pink Floyd: Welcome to the Machine

**August 8**
- 5:30pm That 80’s Laser Show
- 7:30pm Laser Zeppelin: Whole Lotta Led
- 9:30pm Laser Prince

**August 13**
- 5:30pm That 90’s Laser Show
- 7:30pm Pink Floyd: The Vision Bell
- 9:30pm Beatles: Sgt Peppers Laser Light Show

**August 14**
- 5:30pm Movie Madness
- 7:30pm Laser Motown
- 9:30pm Laser Zeppelin: Lased and Confused

**August 15**
- 5:30pm Laser Pop Rox
- 7:30pm Laser Queen
- 9:30pm Pink Floyd: Dark Side of the Moon

Buy tickets online at RoperMountain.org. Seating is limited. Pre-purchase is recommended!
Register Online at RoperMountain.org

Members only online registration
Monday, March 15 beginning at 7:00am

Public online registration
Wednesday, March 17 beginning at 8:00am

Due to current COVID-19 protocols, registration is online only.

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