



June 13 to August 5, 2022
Registration opens February 16, 2022

SummerScape 2022 at The Montessori School of Raleigh (MSR) offers engaging, hands-on experiences for children ranging from age 15 months to grade eight. Parents and campers can choose from a wide array of full and half-day sessions focused on the arts, STEM, athletics, enrichment, and more—all taught by experienced MSR teachers and other area experts. There's something for everyone!

Camps will follow MSR COVID-19 protocols, with camps and campers organized in cohorts designed to help prevent COVID transmission. Toddlers, kindergarteners, and elementary school campers will enjoy the school's beautiful Lead Mine Campus, while middle school campers will be on the state-of-the-art Brier Creek Campus.

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CONTACT INFORMATION

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Toddlers

Ages 15 months through two years

**All students enrolled must be able to walk on their own accord prior to the class's start date.*

The Toddler summer program is designed to offer the same building blocks of learning that the school year offers. Toddlers will be introduced to, and continue their growth in, the basic tools of learning: physical, social, and emotional tools to prepare for academic work on the horizon. Toddlers will explore the outdoors, practice tasks such as setting the table, and fine-tune motor skills through a plethora of activities.

Full-day Toddlers will have lunch that will be provided by the parents. A nap time will be taken during a portion of the afternoon session.

AM Half Day	Full Day	Early Bird
9 a.m. – noon (no lunch) \$200 per camper/week	9 a.m. – 4 p.m. (includes time for lunch) \$400 per camper/week	8 – 9 a.m. \$75 per camper/week

Session 1: June 13 – 17

Session 2: June 21 – 24 (June 20 national Juneteenth Holiday – no camps)

- Prorated rates for four-day camp (\$320)

Session 3: June 27 – July 1

Session 4: July 11 – 15

Session 5: July 18 – 22

Session 6: July 25 – 29

Session 7: August 1 – 5

Children's House Explorers

For three-year-old children

This program comes highly recommended by parents and teachers alike. Geared to helping children transition from the toddler program to pre-K and kindergarten, campers in the Children's House Explorers sessions build skills, independence, and confidence in an environment rich with age-appropriate experiences like small and larger motor works, cutting, painting, matching, sorting, science, and many of the Montessori sensorial materials. Campers practice grace and courtesy, sitting at the meeting, playing on our bigger playground, follow-through (putting works away), and toileting. This camp offers a smooth transition to Children's House classes for our MSR families and for any child moving from daycare to pre-kindergarten in the fall.

AM Half Day	Full Day	Early Bird
9 a.m. – noon (no lunch) \$200 per camper/week	9 a.m. – 4 p.m. (includes time for lunch) \$400 per camper/week	8 – 9 a.m. \$75 per camper/week

Session 1: June 13 – 17

Session 2: June 21 – 24 (June 20 national Juneteenth Holiday – no camps)

- Prorated rates for four-day camp (\$320)

Session 3: June 27 – July 1

Session 4: July 11 – 15

Session 5: July 18 – 22

Session 6: July 25 – 29

Session 7: August 1 – 5

Children's House

Ages three to four

*All students must be fully bathroom trained prior to the class's start date.

NOTE: For MSR families: rising Children's House students are not eligible for this camp; rather, rising Children's House students should enroll in the Children's House Explorers camp, which is specifically designed for rising three-year-old students.

Designed for children three and four years of age, these weekly sessions offer engaging activities and plenty of time for children to socialize with peers, explore, and discover the world around them.

AM Half Day

9 a.m. - noon (no lunch)
\$200 per camper/week

Full Day

9 a.m. - 4 p.m. (includes
time for lunch)
\$400 per camper/week

Early Bird

8 - 9 a.m.
\$75 per camper/week

Session 1: June 13 - 17

Sports Around the World

Facilitator: Amazing Athletes

Get your passports out, it's time for Sports Around the World! It's a new year with new countries and new sports to explore. Campers will join Coach Caroline in learning about other countries and their cultures through the power of play. So, grab your athletic attire and join us as we use sports to circumnavigate the globe!

Session 2: June 21 - 24 (June 20 national Juneteenth Holiday—no camps)

- Prorated rates for four-day camp (\$320)

Windchimes & Whirligigs

Facilitator: Cameron Poole

Craft fantastic wind chimes and whirligigs using recycled and easy-to-find materials. Campers will spend their week watching their projects whirl and hearing them ring in the breeze.

Session 3: June 27 - July 1

Bubbles

Facilitator: Cameron Poole

Who doesn't love bubbles? Campers will have a poppin' good time as they create their own bubble concoction, bubble wands, and bubble art. Led by Ms. Cameron Poole, this week will be full of bubbly goodness!

Session 4: July 11 – 15

You Can Be Anything

Facilitator: Amazing Athletes

This is the age where we begin to explore the possibilities of what we will be when we "grow up." We can be doctors, chefs, environmentalists, authors...anything! Campers will learn about the importance of various professions each day of the week, through crafts, experiments, activities, and games. Come join Coach Caroline and explore all the opportunities the future holds!

Session 5: July 18 – 22

Dr. Seuss

Facilitator: Cameron Poole

Get your "Left Foot, Right Foot" ready and explore some of Dr. Seuss' most famous books. Every day will focus on a different book and specific craft.

Session 6: July 25 – 29

Amazing Adventures

Facilitator: Amazing Athletes

Ready to build a pyramid, explore the jungle, and travel to space – all in a single week? You can this summer at Amazing Adventure camp! Campers will join Coach Caroline as they tackle a new adventure each day of the week with crafts, games, and activities. Get ready to use your imagination and learn through adventure!

Session 7: August 1 – 5

Sports Around the World

Facilitator: Amazing Athletes

Get your passports out, it's time for Sports Around the World! It's a new year with new countries and new sports to explore. Campers will join Coach Caroline in learning about other countries and their cultures through the power of play. So, grab your athletic attire and join us as we use sports to circumnavigate the globe!

Children's House

Ages five and six

Campers must be five or six years old and/or rising kindergarten students to join this class.

AM Half Day

9 a.m. - noon (no lunch)
\$200 per camper/week

Full Day

9 a.m. - 4 p.m. (includes
time for lunch)
\$400 per camper/week

Early Bird

8 - 9 a.m.
\$75 per camper/week

Session 1: June 13 - 17

Buggin' Out, Morning Session

Facilitator: Cameron Poole

Sometimes the tiniest creatures make the biggest impact. Campers will learn about the fascinating insect world by making bug habitats, creating bug-inspired crafts, and exploring insects through movement and music.

Storybook Theatre, Afternoon Session

Facilitator: Lydia Nethercutt

In Storybook Theatre camp, students will practice skills in creative expression, imagination, collaboration, and presentation through acting out fun and familiar stories. We will focus on working together to act out stories, with little emphasis on memorizing lines – the goal is to learn about listening and reacting onstage, and expressing ourselves in a fun way!

Session 2: June 21 - 24 (June 20 national Juneteenth Holiday – no camps)

- **Prorated rates for four-day camp (\$320)**

Gardening Camp

Facilitator: Karen Richards

Come find your green thumb and let's learn all about things that are growing in our gardens. From seed to plant let's explore and learn all there is to know about gardening. Campers will also learn the names of plants/flowers and how to create flower arrangements.

Session 3: June 27 - July 1

Bringing History Alive!, Morning Session

Facilitator: Gearshifters

Bring history alive through the use of LEGO® Bricks and Technic® elements by building famous historical sites and the incredible inventions that changed the world. Campers will construct landmarks from countries around the world – join us in filling your own LEGO® Passport! Games and crafts will also be part of the camper’s daily experience and at the end of the week, you will also get to take home a custom mini figure!

Imagineering: Exploring the Worlds of Fantasy!, Afternoon Session

Facilitator: Gearshifters

Join us in a LEGO® Imagineering adventure by building versions of your favorite characters from lands of fantasy, along with mechanized elements from each world, including the magical World of Harry Potter®, the mystical land of Frozen®, the underwater world of Finding Dory®, the Minions® and more! Games and crafts will also be part of the camper’s daily experience and at the end of the week, you will also get to take home a custom mini figure!

Session 4: July 11 – 15

Sing Out, Morning Session

Facilitator: Lydia Nethercutt

In Sing Out camp, we will explore musical skills including rhythm, tone, projection, enunciation, and expression through singing as a group and individually. We will enjoy sing-alongs of some classic favorites as well as new songs, work on musical exercises, and practice performing for each other and an audience (depending upon safety guidelines, performances may be recorded rather than in person).

Dr. Seuss, Afternoon Session

Facilitator: Cameron Poole

Get your “Left Foot, Right Foot” ready and explore some of Dr. Seuss’ most famous books. Every day will focus on a different book and specific craft.

Session 5: July 18 – 22

Puzzles & Games, Morning Session

Facilitator: Jane MacMillan

This camp will offer a variety of low key competitive and cooperative game options for 5 and 6 year olds to learn sportsmanship, strategy and teamwork, in addition to just having fun. We will teach them several games and have lots of puzzles to work on.

Drama/Plays, Afternoon Session

Students will be introduced to a number of theatrical concepts and hone their presentation skills in this camp.

Session 6: July 25 – 29

Eric Carle

Facilitator: Cameron Poole

Explore the world of Eric Carle, one of the greatest children's authors of all time!

Campers will take a literary journey exploring books and illustrations by Carle. Stories will provide opportunities for campers to express themselves through hands-on crafts, games, and more!

Session 7: August 1– 5

You Can Be Anything

Facilitator: Amazing Athletes

This is the age where we begin to explore the possibilities of what we will be when we “grow up.” We can be doctors, chefs, environmentalists, authors...anything! Campers will learn about the importance of various professions each day of the week, through crafts, experiments, activities, and games. Come join Coach Caroline and explore all the opportunities the future holds!

Lower Elementary

Grades 1 – 3

Weekly sessions are created expressly for children entering grades one through three in fall 2022. Offering opportunities to create, build, and discover, these camps nurture a child's curiosity and imagination.

AM Half Day	Full Day	Early Bird
9 a.m. – noon (no lunch) \$200 per camper/week	9 a.m. – 4 p.m. (includes time for lunch) \$400 per camper/week	8 – 9 a.m. \$75 per camper/week

Session 1: June 13 – 17

Amazing Animaltronic LEGO® Adventures, Morning Session

Facilitator: Gearshifters

Take a walk on the wild side as we explore the exciting and varied world of the animal kingdom. Build robotic and static animals from all walks of life including the Rainforest, the Everglades, the Jungle, Zoos and Aquariums! LEGO® -inspired crafts and games will also be a part of this camp's experience. All campers will also get to build a custom mini-figure that they can take home with them at the end of their excursion!

Remote Control ULVs (Unmanned LEGO® Vehicles), Afternoon Session

Facilitator: Gearshifters

LEGO® comes to life when you turn your creations into radio-controlled masterpieces – making it move is the name of the game! You will get to engineer everything from machines to animals with LEGO® Bricks and Technic® elements, then incorporate infrared sensors to convert your creation to remote control operation. In addition to learning the basic principles of the many ingenious devices that are part of our everyday lives, you will also learn how to magnify or diminish force to move objects at different speeds and in different directions. Set your remote to “fun!” Games and crafts will also be part of the camper’s daily experience and at the end of the week, you will also get to take home a custom mini figure!

Session 2: June 21 – 24 (June 20 national Juneteenth Holiday – no camps)

- **Prorated rates for four-day camp (\$320)**

Blackbeard's Revenge Pirate's Adventure! Morning Session

Facilitator: Gearshifters

Shiver me timbers as we explore the popular culture behind the life of North Carolina's most famous pirate! Using LEGO® Bricks and Technic® elements you will build working models to recreate the world of the pirates from the Outer Banks and beyond! Games, crafts and our own treasure hunt will also be part of the camper's daily experience and at the end of the week, you will also get to take home a custom mini figure!

Brick Wars & the Science of Space Exploration, Afternoon Session

Facilitator: Gearshifters

Inspired by NASA and Star Wars®, our Space Adventures Camp is packed full of models that will make your imagination blast off! Each day, campers will learn about real-life space exploration and build models related to the NASA space program. Campers will also be building some of their favorite spacecraft from Star Wars®! In addition, the day includes group games, challenges and more. Our Space-themed camp provides the spark for imagination and creativity to take off on an adventure that's out of this world! Games and crafts will also be part of the camper's daily experience and at the end of the week, you will also get to take home a custom mini figure!

Session 3: June 27 – July 1

How It Works: Exploring Mechanical Engineering, Morning Session

Facilitator: Techsplorers

Discover the exciting world of mechanical engineering! Design roller coasters, build catapults, and experiment with sound waves. Explore gravity, buoyancy, energy, work, and friction. Learn about the different types of simple machines and create a vehicle that can protect a passenger during a crash. If you like things that move and hurling projectiles, this class is for you!

Make a Spark: Exploring Electrical Engineering, Afternoon Session

Facilitator: Techsplorers

Discover the exciting world of electrical engineering! Experiment with static electricity, create electromagnets, and build your own batteries. Explore insulators and conductors, learn how electric motors work, and design a burglar alarm circuit to keep out intruders. If you like activities that light up and buzz, this class is for you!

Session 4: July 11 – 15

Manners & Social Skills, Morning Session

Facilitator: Jane MacMillan

Learn manners and social skills as they apply to today's society while revisiting lost art forms such as: handwritten thank you notes, flower arranging, and poetry recitation. We will prepare food and enjoy opportunities to apply manners while eating together.

Art/Drawing, Afternoon Session

Students will spend the afternoon session creating beautiful artwork that will include many different skills and techniques.

Theater Production Camp, Late Afternoon Session (3 – 5 p.m.)

Facilitator: Jody Helm

This four-week two-hour per day theater camp will provide students the opportunity to work alongside grades 1 – 6 classmates in preparation for a MSR play production in fall 2022. Students are encouraged to participate in all four weeks of this camp, as each week will build off of skills and concepts from previous weeks. Students signed up for half- and full-day camp sessions will be escorted to the Watson Center at 3 p.m. each day.

Session 5: July 18 – 22

Sports Around the World

Facilitator: Amazing Athletes

Get your passports out, it's time for Sports Around the World! It's a new year with new countries and new sports to explore. Campers will join Coach Caroline in learning about other countries and their cultures through the power of play. So, grab your athletic attire and join us as we use sports to circumnavigate the globe!

Theater Production Camp, Late Afternoon Session (3 – 5 p.m.)

Facilitator: Jody Helm

This four-week two-hour per day theater camp will provide students the opportunity to work alongside grades 1 – 6 classmates in preparation for a MSR play production in fall 2022. Students are encouraged to participate in all four weeks of this camp, as each week will build off of skills and concepts from previous weeks. Students signed up for half- and full-day camp sessions will be escorted to the Watson Center at 3 p.m. each day.

Session 6: July 25 – 29

Up, Up, and Away!: Exploring Aerospace Engineering, Morning Session

Facilitator: Techsplorers

Discover the exciting world of aerospace engineering! Discover the exciting world of aerospace engineering! Design parachutes, launch water bottle rockets, and learn about Newton and his laws of motion. Explore the forces of lift, weight, thrust, and drag. Learn how airplanes work and design your very own kite. If you like activities that zoom and fly, this class is for you!

Fizz, Bubble, Pop!: Exploring Chemistry, Afternoon Session

Facilitator: Techsplorers

Discover the exciting world of chemistry and chemical engineering! Experiment with acids and bases and learn how to make a pH indicator out of household ingredients. Make invisible ink, create bubbles, and explore the amazing properties of polymers. Learn how to identify chemicals and use the power of science to investigate a crime scene and find the culprit. If you like things that fizz and mixing up colorful concoctions, this class is for you!

Theater Production Camp, Late Afternoon Session (3 - 5 p.m.)

Facilitator: Jody Helm

This four-week two-hour per day theater camp will provide students the opportunity to work alongside grades 1 - 6 classmates in preparation for a MSR play production in fall 2022. Students are encouraged to participate in all four weeks of this camp, as each week will build off of skills and concepts from previous weeks. Students signed up for half- and full-day camp sessions will be escorted to the Watson Center at 3 p.m. each day.

Session 7: August 1 – 5

SuperHeroes of America, Morning Session

Facilitator: Gearshifters

Join us for a week of supercharged fun featuring iconic Super Heroes and Villains from the Marvel and DC Universes. Working with LEGO® Bricks and Technic® elements, campers will be constructing heroes and villains, including Superman, Spiderman, Batman, Batgirl, The Joker, Captain America, Thor and Ironman as well as their crime busting gadgetry! Games and crafts will also be part of the camper's daily experience and at the end of the week, you will also get to take home a custom mini figure! This camp is not affiliated with Marvel or DC Comics.

LEGO® Brick City Architects, Afternoon Session

Facilitator: Gearshifters

Bricksburg needs a refresh and is looking for architects who let their imagination run wild! Using LEGO® Bricks and Technic® elements, campers will build city-themed

models including buildings, vehicles, bridges and more to accommodate the people of their new city - Brick by Brick! Campers will also get to construct famous landmarks! Games and crafts will also be part of the camper's daily experience and at the end of the week, you will also get to take home a custom mini figure!

Theater Production Camp, Late Afternoon Session (3 - 5 p.m.)

Facilitator: Jody Helm

This four-week two-hour per day theater camp will provide students the opportunity to work alongside grades 1 - 6 classmates in preparation for a MSR play production in fall 2022. Students are encouraged to participate in all four weeks of this camp, as each week will build off of skills and concepts from previous weeks. Students signed up for half- and full-day camp sessions will be escorted to the Watson Center at 3 p.m. each day.

Upper Elementary

Grades 4 - 6

Weekly sessions are created expressly for children entering grades four through six in fall 2022 and give campers the opportunity to try new things and explore new interests.

AM Half Day	Full Day	Early Bird
9 a.m. - noon (no lunch) \$200 per camper/week	9 a.m. - 4 p.m. (includes time for lunch) \$400 per camper/week	8 - 9 a.m. \$75 per camper/week

Session 1: June 13 - 17

Scientific Accident

Facilitator: Amazing Athletes

Did you know that Penicillin was discovered by accident when Sir Alexander Fleming went on vacation and forgot about his petri dishes? In this camp, we will explore how everyday inventions came to be, we'll learn about the inventors who created them, and we'll even conduct a few experiments of our own. We'll have a blast learning how some of science's greatest discoveries were, in fact, accidents!

Session 2: June 21 - 24 (June 20 national Juneteenth Holiday – no camps)

- Prorated rates for four-day camp (\$160/\$320)

Professional Development

Facilitator: Amazing Athletes

Have you ever wanted to try your hand at architectural designs, study ocean life as a marine biologist, or help save the planet as an environmentalist? Then this is the camp for you! Each day campers will have the opportunity to explore different professions through activities, experiments, games, and crafts. Let's discover some of the opportunities the future may hold!

Session 3: June 27 - July 1

Sherlock Holmes/The Great Escape

Facilitator: Amazing Athletes

There is a mystery at 221B Baker Street in London and famous detective Sherlock Holmes is nowhere to be found. Campers will learn puzzle solving skills, how to decipher codes, and the excitement of solving a mystery! Can you channel your inner detective and discover clues to locate Sherlock and crack the case?

Session 4: July 11 - 15

CSI: Raleigh!, Morning Session

Facilitator: Gearshifters

Whodunit! Come solve a mystery with Gear Shifters! Investigators will learn how to solve a crime by using forensic methods like fingerprint and blood analysis, deductive reasoning and powers of observation to solve the mystery. Investigators will learn the terminology and use scientific methods to solve the crime of the century! If you like the game CLUE® then you will love learning the various methods of criminal investigations to solve the famous question – Whodunit! This camp does not use LEGO® as part of its activities.

LEGO® Flying Drone Creator Workshop, Afternoon Session

Facilitator: Gearshifters

The sky's the limit when you join us to design, build and watch your drone take to the air! Not only do you get to create actual working drones using LEGO® Bricks, but you will get to add custom motors, propellers, circuit boards and wiring to make it take flight! Campers will learn the basics with a 4-rotor design and work their way up to an 8-motor working drone creation! Campers should consider themselves to be advanced builders and have patience. Campers will also get to make and take home a custom mini figure!

Theater Production Camp, Late Afternoon Session (3 - 5 p.m.)

Facilitator: Jody Helm

This four-week two-hour per day theater camp will provide students the opportunity to work alongside grades 1 - 6 classmates in preparation for a MSR play production in fall 2022. Students are encouraged to participate in all four weeks of this camp, as each week will build off of skills and concepts from previous weeks. Students signed up for half- and full-day camp sessions will be escorted to the Watson Center at 3 p.m. each day.

Session 5: July 18 - 22

Taking Flight into Aerospace Engineering, Morning Session

Facilitator: Techsplorers

Watch as your rocket blasts off hundreds of feet into the air! Learn the fundamentals of aerospace and use your newfound knowledge to design, build, and launch your own

water bottle and model rockets. However, the real challenge comes when you design and construct your own balsa wood gliders from scratch, just like the engineering students at NC State. By the end of the week, you'll feel like a real Aerospace Engineer with creations of your very own to take home. Additional Space Requirements: Access to a large field for model rocket launching. Rocket launching usually takes 1-2 hours and generally occurs on either Thursday or Friday.

Arduino Line-Following Robots, Afternoon Session

Facilitator: Techsplorers

Learn how to build a robot from scratch and program it to follow a track all by itself! And unlike the basic drag-and-drop programming taught in LEGO and other robotics camps, with the Arduino microcontroller students learn a real programming language used in industry by real engineers. This class is great for both programming beginners and Arduino enthusiasts and no previous Line-Following Robot experience is necessary. Robot built during class sold separately. Laptops will be available to borrow during class, however, we highly recommend students bring their own laptop from home with the free Arduino software already installed (see www.techsplorers.com/arduino for setup instructions).

Theater Production Camp, Late Afternoon Session (3 - 5 p.m.)

Facilitator: Jody Helm

This four-week two-hour per day theater camp will provide students the opportunity to work alongside grades 1 - 6 classmates in preparation for a MSR play production in fall 2022. Students are encouraged to participate in all four weeks of this camp, as each week will build off of skills and concepts from previous weeks. Students signed up for half- and full-day camp sessions will be escorted to the Watson Center at 3 p.m. each day.

Session 6: July 25 - 29

Learn to Play Chess, Morning Session

Facilitator: Triangle Chess

Students will learn chess fundamentals and strategies that enhance learning skills and critical thinking. We will build confidence and be ready to try rated tournaments. Novice students and experienced players are encouraged to sign up as we will offer three ability levels based on skill.

Sports Around the World, Afternoon Session

Facilitator: Amazing Athletes

Get your passports out, it's time for Sports Around the World! It's a new year with new countries and new sports to explore. Campers will join Coach Caroline in learning about other countries and their cultures through the power of play. So, grab your athletic attire and join us as we use sports to circumnavigate the globe!

Theater Production Camp, Late Afternoon Session (3 – 5 p.m.)

Facilitator: Jody Helm

This four-week two-hour per day theater camp will provide students the opportunity to work alongside grades 1 – 6 classmates in preparation for a MSR play production in fall 2022. Students are encouraged to participate in all four weeks of this camp, as each week will build off of skills and concepts from previous weeks. Students signed up for half- and full-day camp sessions will be escorted to the Watson Center at 3 p.m. each day.

Session 7: August 1 – 5

LEGO® Advanced Engineering with Gear Shifters, Morning Session

Facilitator: Gearshifters

We believe it's important to tap into a child's potential by encouraging their curiosity and creativity while reinforcing STEM-based engineering principles. Students will build a variety of advanced and challenging motorized mechanical constructs utilizing LEGO® Bricks and Technic® elements such as mechanical spiders, construction equipment, sports machines and other animals and culminate in the construction of custom articulated creations. At the end of the week, you will also get to take home a custom mini figure!

LEGO® Advanced Architectural Design Camp, Afternoon Session

Facilitator: Gearshifters

Campers will work as a team to take their abstract visions and, using LEGO® Bricks, transform them into architectural designs that they design from scratch while learning about the steps necessary to create a structure from thought or a sketch to reality. Campers will also be incorporating mechanical elements into their structures through the use of Technic® elements. Campers will not be using predetermined plans in this camp and are only limited by their imagination!

Theater Production Camp, Late Afternoon Session (3 – 5 p.m.)

Facilitator: Jody Helm

This four-week two-hour per day theater camp will provide students the opportunity to work alongside grades 1 – 6 classmates in preparation for a MSR play production in fall 2022. Students are encouraged to participate in all four weeks of this camp, as each

week will build off of skills and concepts from previous weeks. Students signed up for half- and full-day camp sessions will be escorted to the Watson Center at 3 p.m. each day.

Middle School

Grades 7 - 8

Sessions are designed for campers entering grades 6 – 8 in fall 2022 and offer a wide range of experiences designed to give campers the opportunity to try new things and explore new interests. All Middle School camps will take place on the Brier Creek Campus.

Full Day

9 a.m. – 4 p.m. (includes time for lunch)

\$400 per camper/week

Session 1: June 13 – 17

Sports Camp, Morning Session

Facilitator: Andy Beaver

Campers will enjoy a variety of activities and sports on the courts and fields during this sports camp.

Land & Livestock: Farming, Afternoon Session

Facilitator: Andy Beaver

Land & Livestock is a signature program at the Brier Creek Campus. Students will work with Andy Beaver to continue to develop this program, which will include learning and participating in gardening, building, and caring for the campus's livestock.

Session 2: June 21 – 24 (June 20 national Juneteenth Holiday—no camps)

- Prorated rates for four-day camp (\$320)

Into the Wild: Outdoor Education

Facilitator: Amazing Athletes

At our Into the Wild camp, campers will get in touch with nature while learning basic camping skills. Join us for a 4-day exploration that will include hiking, pitching tents, map-reading, and much more. If you love exploring nature, this camp is for you!

Session 3: June 27 – July 1

Ultrasonic Maze-Solving Robot, Morning Session

Facilitator: Techsplorers

Imagine building an autonomous vehicle that uses sound waves to avoid collisions and find its way out of a maze all by itself! Learn how sound can be used to measure

distance, add ultrasonic sensors to a robot, and program it to detect and avoid obstacles in its path. But avoiding obstacles is just the first step — the real challenge is figuring out how to navigate and solve a maze! And with Arduino, unlike the basic drag-and-drop programming taught in LEGO and other robotics camps, students will learn a real programming language used in industry by real engineers. No programming or Arduino experience is necessary. Robot built during class sold separately.

Laptops will be available to borrow during class, however, we highly recommend students bring their own laptop from home with the free Arduino software already installed (see www.techsplorers.com/arduino for setup instructions).

Intro to Mechanical Engineering, Afternoon Session

Facilitator: Techsplorers

Discover the incredible world of mechanisms and motion. Learn about levers, gear trains, flywheels, linkages, robotics, and more. Investigate the torque-speed trade-off in gears and use your knowledge to design a Lego transmission system. Create a hydraulic-powered robotic arm and hurl projectiles with your custom-built catapult! Each day offers exciting challenges and intriguing problems to solve. Current Boy Scouts can obtain their Engineering Merit Badge by participating in this camp and completing some at-home projects and a short write-up (see www.techsplorers.com for details).

Session 5: July 18 – 22

Sherlock Holmes/Great Escape

Facilitator: Amazing Athletes

Sherlock Holmes' Detective Agency is looking for a set of brilliant new detectives with a passion for problem solving. Campers will follow in Sherlock's footsteps using ancient and modern detective techniques to help uncover clues and solve various mysteries. They'll also learn to create their own puzzle (escape) room scenarios for their friends and family. It will be an "excellent" time. Let's hope none of you find it "elementary!"

Session 6: July 25 – 29

Intro to Electrical Engineering, Morning Session

Facilitator: Techsplorers

Start your journey into the exciting world of Electrical Engineering and electronics hobbying! Design and build an electronic musical instrument that can be played with just a wave of your hand. Learn how to use light-emitting diodes, resistors, capacitors,

and integrated circuit chips, then solder the entire circuit together permanently just like a real electrical engineer and take it home. Not only will you build it from scratch, we'll teach you exactly how it works. Current Boy Scouts can obtain their Electronics Merit Badge by participating in this camp and completing some at-home projects and a short write-up (see www.techsplorers.com for details).

Internal Combustion Engines, Afternoon Session

Facilitator: Techsplorers

Have you ever wondered how an engine works? In this class you will completely take apart a lawn mower engine and put it back together again – the right way. Learn everything from how to use mechanics tools like ratchets and wrenches to the engineering theory behind carburetors, magnetos, spark plugs, and compression ratios. By the end of the week you'll know why octane ratings matter and how to calculate the displacement of any engine.

Session 7: August 1 – 5

Middle School Bootcamp

Facilitator: Andy Beaver

Campers will learn valuable study skills like using online resources, helpful homework tips, and note-taking techniques. The mysterious world of advisors, Intersessions, and Occupations will be explored and mini-lesson in all middle school subject areas – English, humanities, math, science, and Spanish – will be taught. Campers also enjoy gardening, woodworking, and more with an introduction to our Land & Livestock program.