

KIDS@CARROLL

NEW! Magic Tree House: Dolphins at Daybreak

Join Jack and Annie in a Magic Tree House adventure! Learn about the mysterious world under the waves as we turn our classroom into an underwater environment. Spot both the predators and the prey of the ocean deep. Listen to our dolphin friends test your senses and watch out for the great white shark that lurks in corners! With crafts and games, learning about the ocean will be an adventure! Instructor: Amanda Blustein

Cost: \$140
Course #: KID-066-A13 Jul. 16 – 20, 1:15 – 4:15 p.m. Ages 6 – 8

NEW! Magic Tree House: Dingoes at Dinnertime

Explore the magic of the tree house as you find yourself down under in Australia! Join Jack and Annie on a wild adventure as they search for the last item needed to break poor Teddy's spell, a 'gift from a kangaroo.' Race to help a baby kangaroo who was separated from his mother during a forest fire and explore the life and the animals of the outback through games and crafts. Be careful, don't get burned in the wildfire! Instructor: Amanda Blustein

Cost: \$140
Course #: KID-075-A13 Jul. 30 – Aug. 3, 1:15 – 4:15 p.m. Ages 6 – 8

Percy Jackson Adventures

The gods of Mount Olympus have set a quest for you! Do you have what it takes to fight your way through a world of mythological monsters and dangerous demi-gods? If you find your way to Camp Half-Blood, you just may learn to fight like a real hero, save mythical creatures, and battle the powers of the underworld. Only you can complete your quest (with the help of your friends). Instructor: Barbara Campion

Cost: \$155
Course #: KID-023-A47 Jul. 9 – 13, 9 a.m. – 12 p.m. Ages 9 – 12

SCIENTIFIC KIDS

Big Backyard

Get up close and personal with the bugs, critters and plants in your backyard habitat. Dig, plant and build natural habitats to attract butterflies, birds, insects and critters that live in the outdoors. Play games, meet some animals and learn all about the natural world in your backyard. Bring sunscreen and a hat (optional) for working and walking outside. Instructor: Sherry Fisher

Cost: \$135
Course #: KID-015-A13 Jul. 9 – 13, 9 a.m. – 12 p.m. Ages 6 – 8
Course #: KID-015-B13 Aug. 6 – 10, 9 a.m. – 12 p.m. Ages 6 – 8

Countdown to Flight

How does a big heavy plane stay up in the air? How do rockets make it into space? Build your own planes and copters to discover the secrets of aviation. Discover why bubbles float and what makes a good parachute. Join us for a fun exploration of things that fly. Instructor: Barbara Campion

Cost: \$145
Course #: XXZ-214-A13 Jul. 9 – 13, 1:15 – 4:15 p.m. Ages 6 – 8
Course #: XXZ-214-B13 Jul. 30 – Aug. 3, 1:15 – 4:15 p.m. Ages 6 – 8

Extreme Weather

When weather goes ballistic we all take shelter! What causes intense weather like earthquakes and hurricanes anyway? Hold on to your hat as we experiment with making different kinds of weather right in the room! Have fun learning about and creating everything from simple rain, wind and clouds to a twister and even lightning. No worries, it's just weather! Instructor: Barbara Campion

Cost: \$120
Course #: XXZ-831-A13 Jul. 2 – 6, 9 a.m. – 12 p.m. Ages 6 – 8
Course #: XXZ-831-B46 Jul. 2 – 6, 1:15 – 4:15 p.m. Ages 9 – 11

Games Galore

Can't get enough of those games? Play, design, test and rate board games, strategy games, risk taking games, team games and problem solving games. And oh yes...there will be a tournament just about every day. Never mind that you'll practice math, logic and strategic thinking... it's all just a GAME.

Cost: \$110
Course #: KID-016-A46 Jul. 2 – 6, 9 a.m. – 12 p.m. Ages 9 – 11

Junkyard Warriors

Create motorized mechanisms, mini-robots and racers with recycled common everyday items. You'll work on a team to find solutions for a series of challenges and compete to accomplish specific tasks. Each challenge combines environmental principles, physics, and basic elements of design and engineering. Then you will face the final challenge to earn the title Junkyard Warrior and become protectors of the environment. Instructor: Black Rocket Staff

Cost: \$179
Course #: XXZ-821-B36 Jul. 23 – 27, 1:15 – 4:15 p.m. Ages 8 – 11

NEW! Mad Science: Lab Rats

Mix it up in this fast moving science camp. Learn all about static electricity...Watts that? You'll find out! Let your taste buds sour with tantalizing tastes and get slimed! Things are not always as they appear as you'll see with optical illusions. Answer the questions "What makes the world go 'round?'" "How is cotton candy made?" and "How does sound travel?" Instructor: Mad Science Staff

Cost: \$150
Course #: KID-062-A13 Jul. 16 – 20, 9 a.m. – 12 p.m. Ages 6 – 8
Course #: KID-062-B46 Jul. 16 – 20, 1:15 – 4:15 p.m. Ages 9 – 11

Mad Science: Science in Motion

Discover how things move with birds and beasts, machine mania, crazy chemistry and other science. Take apart pellets to see what an owl cannot digest. View the world through a camera obscura that you make yourself. Build bridges, domes, cubes and pyramids. Assemble and control pulleys, lever, catapults and simple machines. Make your own sidewalk chalk, crystal gardens, kaleidoscope and chromatography-dyed T-shirt. Instructor: Mad Science Staff

Cost: \$150
Course #: XXZ-607-A13 Jul. 9 – 13, 9 a.m. – 12 p.m. Ages 6 – 8
Course #: XXZ-607-B47 Jul. 9 – 13, 1:15 – 4:15 p.m. Ages 9 – 12

Mad Science: Spy Camp

Do you have what it takes to discover 'who done it'? You will check out cool spy equipment like decoding messages, metal detectors and night vision, and even create your own edible message in a hands-on look at the science that spies use! Put your spy skills to the test by building your very own secret safe and challenge others to crack the code. Instructor: Mad Science Staff

Cost: \$150

Course #: XXZ-838-A46 Jul. 30 – Aug. 3, 9 a.m. – 12 p.m. Ages 9 – 11
Course #: XXZ-838-B13 Jul. 30 – Aug. 3, 1:15 – 4:15 p.m. Ages 6 – 8

NEW! Rainforest Adventure

Get deep into your own rainforest adventure right here in the classroom and get to know the colorful birds, unique animals and creepy insects that live in this wet and wild place. What would it be like to live in a place where it rains every day?! Instructor: Michelle Poole

Cost: \$135

Course #: KID-087-A46 Jun. 25 – 29, 1:15 – 4:15 p.m. Ages 9 – 11
Course #: KID-087-B13 Jul. 9 – 13, 1:15 – 4:15 p.m. Ages 6 – 8
Course #: KID-087-C13 Jul. 23 – 27, 1:15 – 4:15 p.m. Ages 6 – 8

Super Science: Architecture

Construct and invent your own LEGO models based on famous architectural designs from around the world. Teams will build LEGO designer, Adam Tucker Reed's famous Brick structures which may include the Empire State Building, Seattle Space Needle, Whitehouse, or others. Then design and build your own interpretation of a model. Learn about structural engineering principles as you build bridges, towers and other structures using variety of other materials. Instructor: Super Science Staff

Cost: \$150

Course #: KID-018-A46 Jul. 9 – 13, 1:15 – 4:15 p.m. Ages 9 – 11

NEW! Super Science: Blood, Bones & Brains Oh Boy!

Get into the guts of science surgery! Entering the world of the human body you'll make a working model of the human lungs, map the tongue's taste buds, take a look at DNA, test for bacteria and do simulated blood typing. Then, bring out your inner physician while you perform a virtual heart transplant, a cow eye dissection, build a stethoscope and test your blood pressure. Instructor: Super Science Staff

Cost: \$150

Course #: KID-079-A47 Aug. 6 – 10, 9 a.m. – 12 p.m. Ages 9 – 12
Course #: KID-079-B24 Aug. 6 – 10, 1:15 – 4:15 p.m. Ages 7 – 9

Super Science: Chemical Magic

Get ready for a 'magical' laboratory experience Harry Potter style. Make and take home Flubber, a mushroom monster, Silly Putty, gum, Tie-Dye shirt, Play Dough, bubbling lava blobs, copper coins, glowing slime and more. Learn chemistry concepts including atoms and bonding, acids and bases, fire and ice reactions, and polymer chemistry. Get ready for the smoking volcano, big bang sock cannon, Hindenburg explosion and more. Take home your own wizardry recipe booklet and mini chemistry kit. Bring a white 100% cotton t-shirt to the first class. Instructor: Super Science Staff

Cost: \$150

Course #: XXZ-328-A46 Jun. 25 – 29, 9 a.m. – 12 p.m. Ages 9 – 11
Course #: XXZ-328-B46 Jul. 23 – 27, 1:15 – 4:15 p.m. Ages 9 – 11
Course #: XXZ-328-C24 Jul. 30 – Aug. 3, 9 a.m. – 12 p.m. Ages 7 – 9

Super Science: Crime Scene Investigation

Become a Super Science Sleuth! Learn about forensics, crime scene investigation and crime lab chemistry as you perform experiments designed to show you how cases are solved. Search for evidence, gather clues and discover how science can help solve a mystery. Dust for fingerprints, analyze handwriting, test for blood type and DNA (using simulated blood), and use Glow blood to see where humans can't see. Examine hair fibers, practice chemistry to identify mystery substances and more. Each participant will take home a CSI forensic science kit. Instructor: Super Science Staff

Cost: \$160

Course #: XXZ-327-A47 Jul. 23 – 27, 9 a.m. – 12 p.m. Ages 9 – 12

Super Science: Diggin' for Dinosaurs, Rockin' Rocks and Crystal Creations

Discover the exciting science of archaeology and paleontology as you excavate and assemble complete skeletal replicas from simulated 'fossilized' rock. Make fossilized plaster replicas of dinosaur teeth, claws, trilobites and ancient snails. Unearth some fascinating facts about rocks, minerals and crystals. Take home a rock and mineral collection, a rock and mineral book, unearthed treasures, fossilized shark teeth and crystals. Instructor: Super Science Staff

Cost: \$150

Course #: XXZ-329-A14 Jun. 25 – 29, 1:15 – 4:15 p.m. Ages 6 – 9
Course #: XXZ-329-B14 Jul. 16 – 20, 9 a.m. – 12 p.m. Ages 6 – 9
Course #: XXZ-329-C14 Jul. 30 – Aug. 3, 1:15 – 4:15 p.m. Ages 6 – 9

Super Science: Electronic Circuit Science

Build electronics and circuits the hands-on way. Use speakers, capacitors, resistors, transformers and other electronic components to build unique projects such as an electric motor, a radio, a space gun, a working alarm, an electric fan and more. Learning concepts include series and parallel circuits, reading schematic diagrams, circuit theory, and electromagnetics. Everyone will take home an electronic kit and a working electric motor. Instructor: Super Science Staff

Cost: \$150

Course #: XXZ-847-A36 Jul. 30 – Aug. 3, 1:15 – 4:15 p.m. Ages 8 – 11

Super Science: Make and Take

Make your own toys designed to illustrate science concepts. Make your own submarine diver game and learn about fluids and pressure. Learn chemistry concepts by making your own colorful t-shirt. Build a model of Hero of Alexandria's fountain or a vortex tornado in a bottle. Make ultraviolet light detecting bead bracelets, bubbling lava blobs, green Flubber, Glowing goo, bouncing super balls and more. Instructor: Super Science Staff

Cost: \$128

Course #: XXZ-330-A13 Jul. 2 – 6, 9 a.m. – 12 p.m. Ages 6 – 8
Course #: XXZ-330-B13 Jul. 16 – 20, 1:15 – 4:15 p.m. Ages 6 – 8
Course #: XXZ-330-C13 Aug. 6 – 10, 1:15 – 4:15 p.m. Ages 6 – 8

Super Science: Physics, Flight & Rocketry

Blast off into a lively week of flight and rocketry! Build and launch scale model rockets, planes and other flying gadgets. Take home a rocket and other projects that you make. You'll also build solar-powered cars, balloon vehicles, experiment with robotic flying insects and more. Learn the physics behind flight in a fun-filled hands-on environment. Instructor: Super Science Staff

Cost: \$150

Course #: XXZ-609-A46 Aug. 6 – 10, 1:15 – 4:15 p.m. Ages 9 – 11

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Super Science: Roller Coaster and Amusement Park Science

Work with your team of engineers to construct the major component rides of a model amusement park. Build the Vertical Vengeance Roller Coaster, Star Bust Spinner, Ferris wheels, boom ride, flume, 5 foot tall Ripping Rocket Roller Coaster, Pirate Ride and more. Everyone will take home one motorized K'NEX project. Instructor: Super Science Staff

Cost: \$150

Course #: XXZ-331-A47 Aug. 6 – 10, 9 a.m. – 12 p.m. **Ages 9 – 12**

NEW! Walk on the Wild Side

Step into the world of local wild animals! Take hikes, play games and create crafts every day while exploring local wildlife, learning bird calls and identifying animal tracks and scat. Engage with live animal encounters and be ready for a real wildlife adventure. Instructor: Sherry Fisher

Cost: \$125

Course #: KID-086-B25 Jul. 23 – 27, 9 a.m. – 12 p.m. **Ages 7 – 10**

TECHNOLOGY KNOW-HOW KIDS

Creative Design and Robotics

Design and create your first robot. You'll learn the basic principles of design and motorized mechanisms. Practice problem-solving to improve your robots performance. At the end of the program, the machines and robots will compete against each other in a series of challenges! All equipment supplied. Instructor: Black Rocket Staff

Cost: \$179

Course #: KID-012-A36 Jul. 16 – 20, 1:15 – 4:15 p.m. **Ages 8 – 11**



eLab Alternative Energy LEGO's

If it's LEGO's, you know it's going to be fun! Use them to build wind mills, solar powered cars and more. Investigate how to generate, store and use sources of energy. Get ready to use a motor and solar panel, a capacitor, and the new eLab LEGO System set. Who knew? Instructor: Linda Nestor

Cost: \$135

Course #: XXZ-580-A46 Jul. 16 – 20, 9 a.m. – 12 p.m. **Ages 9 – 11**

Course #: XXZ-580-B46 Aug. 6 – 10, 9 a.m. – 12 p.m. **Ages 9 – 11**

LEGO Robotics: BOT Builders - Level 1

Whether you've been using the current generation of robotics products from LEGO or this is your first time, this camp will get you up to speed on the latest LEGO robotics system, NXT. Work together with your team to build a LEGO robot that can hear sound and see light. Then program your robot to use its senses to solve various challenges. Class size limited. Instructor: Black Rocket Staff

Cost: \$145

Course #: XXZ-314-A60 Jun. 25 – 29, 9 a.m. – 12 p.m. **Ages 11 – 15**

Course #: XXZ-314-C60 Jul. 23 – 27, 9 a.m. – 12 p.m. **Ages 11 – 15**

LEGO Robotics: BOT Builders - Level 2

Keep on building and programming robots to meet unique challenges set before them. In this next level robotics camp, you'll work with your team to program your robot to explore the Universe, to be an animal or complete a special rescue mission. Whatever you do; it's sure to be a challenge. Are you up to it? Prerequisite: LEGO Robotics: Bot Builders - Level 1. Instructor: Mary Clark

Cost: \$145

Course #: XXZ-879-A60 Aug. 6 – 10, 9 a.m. – 12 p.m. **Ages 11 – 15**

Super Science: Battle Bots

Enter the world of robotics as you explore, design and build robots using the Robotix system. Design, invent and construct robotic creations that will be challenged throughout the week with our robot Olympics, Battle-Bot competition, robot-bowling and more. Learn to program simple commands and make your robot do tricks with robotic controllers. Finally explore a range of challenging builds including the 5' tall commander robot and 6' long Crocosaur. Instructor: Super Science Staff

Cost: \$150

Course #: XXZ-425-A13 Jun. 25 – 29, 9 a.m. – 12 p.m. **Ages 6 – 8**

Course #: XXZ-425-B13 Jul. 2 – 6, 1:15 – 4:15 p.m. **Ages 6 – 8**

Course #: XXZ-425-C13 Jul. 23 – 27, 9 a.m. – 12 p.m. **Ages 6 – 8**

Super Science: WeDo Robots

Build and program LEGO models featuring working motors and sensors. Use simple drag and drop software to make the robots move around within four possible themes: Amazing Mechanisms, Play Soccer, Wild Animals and Adventure Stories. Instructor: Super Science Staff

Cost: \$145

Course #: KID-017-A14 Jul. 9 – 13, 9 a.m. – 12 p.m. **Ages 6 – 9**

Course #: KID-017-B14 Jul. 23 – 27, 1:15 – 4:15 p.m. **Ages 6 – 9**