



Science Camp

FOR BOYS AND GIRLS AGES 6-14

AMUSEMENT PARK PHYSICS (AGES 9-13)

Ever wonder how they design and build those crazy rollercoasters and other amusement park rides? Join us and learn about friction, gravity, momentum, velocity, and other effects of force and motion as they relate to theme park rides. We'll design, construct, and test loop-the-loops, marble catchers, ball machines, Ferris wheels, swinging amusement rides, and more. This is the way to experiment and build as you learn physics concepts in a fun and activity-based atmosphere! Tuition and fees: \$140.

NCSCI-CC008-01 July 3-7* 1-4pm

*No class July 4.

Super Science Programs for Kids

ARCHITECTURE AND ENGINEERING CHALLENGES (AGES 9-13)

Architecture and engineering are the focus of this program. You will work to design and build towers, balsa bridges and a wide array of Lego™ and K'nex™ architecture projects. Have fun building famous architectural designs from around the world including Adam Tucker Reed's famous brick structures the Empire State Building, Imperial Hotel, Whitehouse, Imperial Hall, Flat Iron Building, Seattle Space Needle, and more. You will also build bridges, towers, and other structures using a variety of materials and learn about structural engineering principles and forces that act on structures. Develop science, technology, engineering and mathematics skills in a fun, hands-on environment! Tuition & fees: \$175.

NCSCI-CC001-01 July 10-14 1-4pm

Super Science Programs for Kids

BATTLE-BOT BUILD -A-THON (AGES 9-13)

Have fun building and creating using your imagination. Campers will construct a complex Battle-Bot robot from our huge Robotix modular collection. Enjoy working together to build a robot that can clobber its opponent in our sumo-style robot ring. Make your robot as huge and destructive as you'd like as the goal of this competition is to flip your opponent over, pull its pieces off or ram it right out of the arena. Then get ready to modify your design to compete in our robot tug-o-war, Olympic competition, soccer match and more. Campers will learn engineering principles in a fun, hands-on atmosphere. *All campers will take home a Hexbug Warrior.* Tuition and fees: \$175.

NCSCI-CC009-01 June 26-30 8:30-11:30am

Super Science Programs for Kids

BLOOD, BONES & GUTS-DISCOVERING THE HUMAN BODY (AGES 9-13)

Have fun discovering the anatomy of the world's most complicated system! In this program, students will find out what it's like to journey through the human body, explore the science behind blood, bones, how a model of the human body works and more. Participants will test for blood types, make a map of their tongue, and perform simulated heart and brain surgery and more. Tuition & fees: \$175.

NCSCI-CC002-01 July 24-28 1-4pm

Super Science for Kids

BRICK CRITTERS: THE SECRET LIFE OF PETS (AGES 6-9)

Ever wonder what your pets do while you are at school? Join Max, an adorable dog, and Snowball, the rabbit, on this fun and furry adventure. Then, dive to the depths of the ocean with Dory to help her search for her family. Build other favorite aquatic movie sea life as well. Campers will also build various critters, including motorized buzzing bees, fluttering butterflies and more. Show off your take-home handbook displaying all the brick critters you built at this exciting camp! *Each camper will receive a Bricks 4 Kids t-shirt and mini-figure.* Tuition & fees: \$175.

NCSCI-CC036-01 June 26-30 1-4pm

Bricks 4 Kidz

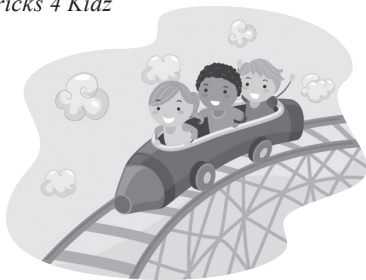
BRICK OLYMPICS (AGES 6-9)

Calling all sports fans... on your mark, get set, build! Celebrate the Olympics with cool LEGO™ models of sports from cycling to soccer, basketball to gymnastics. Take a break from the heat and compete indoors to set your own Brick Olympic records with our exciting sports-themed challenges! We'll post the winners on our own "Medal Tally" board and award winners with Bricks 4 Kidz medals. *Each camper will receive a Bricks 4 Kids t-shirt and mini-figure.* Tuition & fees: \$175.

NCSCI-CC037-02 July 17-21 1-4pm

NCSCI-CC037-01 July 31-Aug 4 8:30-11:30am

Bricks 4 Kidz





BRIXOLOGY CAMP (AGES 9-13)

Children will learn about different types of engineering and then team up to construct a different engineering-themed project using exclusive LEGO™ bricks! Learn about aerospace engineering while assembling a space station; explore mechanical engineering as they build boats and vehicles. That's not all – from carnival rides to drawing machines, mechanical animals to truss bridges, your future engineer will build upon their creativity to solve real-world design challenges, while developing their problem-solving and team-building skills.

Tuition & fees: \$175.

NCSCI-CC034-01 August 14-18 1-4pm
Mad Science

CHEMICAL WIZARDRY (AGES 6-10)

Get ready for a fun-filled “magical” laboratory experience *Harry Potter™* style. Enjoy making *Flubber*, *Silly Putty*, *Super Hi-Bounce balls*, and more. Have fun making a carbon dioxide light inside of a glow bottle, a mushroom monster, play dough, *Glowing Goo* and even a tie-dye style shirt. We will create atomic worm polymers and lava lamp-like blobs. We will also demonstrate the *Big Bang Cannon*, *diet Coke and Mentos Geyser*, *Magic Genie in the bottle* and more. *All campers will take home a mini-chemistry kit and recipe booklet. Please bring a 100% white cotton T-shirt to the second class.*

Tuition and fees \$175.

NCSCI-CC010-01 July 10-14 8:30-11:30am

NCSCI-CC010-02 July 24-28 1-4pm

Super Science Programs for Kids

COMPUTER PROGRAMMING WITH OZOBOT™ (AGES 6-13)

Have fun expanding your horizons with the help of Ozobot™ - the tiny smart robot. There is no end to the possibilities, as you create a different landscape of adventures, games and coding with Ozobot™. Imagine a learning toy that opens the doors of computer science, STEM education, robotics and coding with simple color-coded commands and “Ozoblocky,” a coding language powered by Google’s Blockly program. Ozobot™ Bit’s ability to learn your programs, and then play them back is a big game changer to how young minds play and learn. *Campers will use markers, tablets and laptops for coding.*

Tuition & fees: \$175.

NCSCI-CC027-01 June 26-30 1-4pm

(Ages 9-13 preferred)

NCSCI-CC027-02 July 17-21 8:30-11:30am

(Ages 9-13 preferred)

NCSCI-CC027-03 July 31-Aug 4 8:30-11:30am

(Ages 6-10 preferred)

Super Science for Kids

CREATIVE DESIGN & ROBOTICS (AGES 7-14)

The world of the future belongs to...robots! Students will learn the fundamentals of motorized mechanisms, design principles, sensors, and sound activation. Separate fact from fantasy by designing and building prototypes of task oriented robots. Learn problem-solving to improve how their robots function in a series of design challenges! *Students will work in pairs or teams for most of the program.* Tuition and fees: \$195.

NCSCI-CC003-03 July 24-28 8:30-11:30am

(Ages 7-10 preferred)

NCSCI-CC003-04 July 24-28 1-4pm

(Ages 10-14 preferred)

NCSCI-CC003-01 Aug 7-11 8:30-11:30am

(Ages 10-14 preferred)

NCSCI-CC003-02 Aug 7-11 1-4pm

(Ages 7-10 preferred)

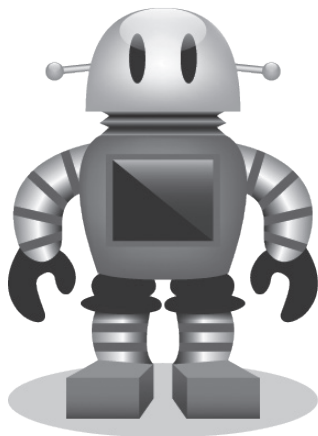
Black Rocket Productions

CSI (Crime Scene Investigation) SCIENCE (AGES 10-14)

Become a Super Science Sleuth! Learn about forensics, crime scene investigations and crime lab chemistry as you perform experiments designed to show you just how those tricky cases are solved. Search for evidence, gather clues, and discover how science can help solve a mystery! Dust for and classify 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 and clothing fibers, practice chemistry to identify mystery substances, and much more. Tuition and fees: \$175.

NCSCI-CC012-01 July 24-28 8:30-11:30am

Super Science Programs for Kids





DIGGIN' FOR DINOSAURS, ROCKIN' ROCKS & CRYSTAL CREATIONS (AGES 6-9)

Young scientists will discover the exciting science of archaeology and paleontology as they excavate and assemble complete skeletal replicas from simulated "fossilized" rock. Dig for T-Rex, Triceratops, Stegosaurus, Velociraptors, Brachiosaurus, and more! Make fossilized plaster replicas of dinosaur teeth, claws, trilobites and ancient sea creatures. Sort, classify and take home a variety of fossilized shark teeth. Unearth some fascinating facts about rocks, minerals and crystals. Break open geodes and discover crystals inside. Take home a unique mini collection of rocks, minerals, and crystals that you will learn about in the program, a rock and mineral book, unearthed treasures, fossilized shark teeth and more. Tuition and fees: \$175.

NCSCI-CC013-01 July 17-21 1-4pm

NCSCI-CC013-02 July 31-Aug 4 1-4pm

Super Science Programs for Kids

DRONE EXPLORATION: FLY, CREATE, INNOVATE (AGES 9-14)

FULL DAY

This program will open the creative minds of campers as they learn all about some of the most fascinating drone solutions to date. Teams will first learn about some of the incredible problems drone technology has solved; and then have the opportunity to interact with inventors currently in the drone industry via video conference. Upon building a base of knowledge, experience and confidence, participants will then fly and code drones as they work together in teams to create their own business, environmental, or safety drone solution. Instructors will challenge teams to focus on the social and ethical responsibilities that accompany the powerful and evolving drone technological advances. *Each participant receives their own Drobots Flight Book.* No drone flying experience necessary. Tuition & fees: \$400.

NCSCI-CC039-01 Aug 14-18 8:30am-4pm

Drobots Company

"GALAXY FAR AWAY" SPACE CAMP (AGES 6-9)

Join us on an adventurous journey through space! Build the Redstone Rocket to blast through the atmosphere into a realm that is truly out of this world. Travel back in time to build NASA's Gemini Capsule. Trust your astronaut's building skills to pilot a spacecraft that will bring you back to Earth safely. We'll build motorized models that represent spacecraft from your favorite popular space movie. Come experience this stellar journey to a galaxy far away! *Each camper will receive a Bricks 4 Kids t-shirt and mini-figure.* Tuition & fees: \$175.

NCSCI-CC-040-01 July 10-14 1-4pm

Bricks 4 Kidz

INTRO. TO LEGO™ & VEX IQ™ ROBOTICS (AGES 9-13)

Have fun building, designing and programming robots with Lego Mindstorms™ and VEX IQ™ robotic systems. Build robot projects and creations that use working sensors and motors. LEGO MINDSTORMS (EV3 & NXT) combine the unlimited versatility of the LEGO building system with an intelligent microcomputer brick and intuitive drag-and-drop programming software. VEX IQ offers unique building challenges, a Wii-style remote control, and unlimited possibilities. No prior robotic or programming experience is necessary for this introductory course. Tuition & fees: \$175.

NCSCI-CC028-01 July 3-7* 8:30-11:30am

NCSCI-CC028-02 August 7-11 1-4pm

*No class July 4. Tuition and fees: \$140.

Super Science for Kids

LEGO™ WeDo ROBOTICS 1.2 and 2.0 (AGES 6-9)

Students will build Lego™ models featuring working motors and sensors, program their models on laptop computers, and participate in new unique WeDo challenges. Students will develop their skills in Science, Technology, Engineering, and Mathematics. Students will use simple drag and drop software and a laptop computer to actually learn how to program robots made from Legos™. This program will offer both Lego 1.2 and all new Lego 2.0 projects. LEGO™ Education WeDo 2.0 makes elementary science come to life through hands-on tasks, real-world projects, and relevant technology that engages students.

Tuition & fees: \$175.

NCSCI-CC007-02 July 24-28 8:30-11:30am

Super Science for Kids



MAD MACHINES AND JR. ENGINEERS (AGES 6-9)

Mini Mad Science engineers will design and build skyscrapers using simple tools and intricate imaginations. Campers will exercise their ability to work together in order to construct a geodesic dome big enough for all of the campers to fit inside! Children will be given the opportunity to work with pulleys, wedges, screws, and levers, which they will be using to assemble their own catapults, teaching them to understand the science behind simple machines. Children will maneuver sound-activated robots around an obstacle course, play robot soccer, and even test line-tracking robots during this weeklong camp full of (robot and children) hands-on excitement! Tuition & fees: \$175.

NCSCI-CC016-01 Aug 7-11 8:30-11:30am
Mad Science

POCKET BRICK MONSTERS: POKEMON™ (AGES 10-13)

Get ready for an adventure in the world of Pokémon™! Capture wild Pokémon® creatures and train them for battle. Improve your accuracy and power as you learn new moves and use special abilities. Tap into your inner engineer as we build *Dratini*, *Pikachu*, *Poké Balls*, and more. Show off your skills as you battle for power in your journey through the Pokémon® universe. Do you have what it takes to become a Pokémon™ Master? *Each camper will receive a mini-figure and Bricks 4 Kidz t-shirt.*

Tuition & fees: \$175.
NCSCI-CC029-01 June 19-23 1-4pm
Bricks 4 Kidz

RADICAL REACTIONS & DETECTIVE SCIENCE (AGES 6-9)

Have tons of fun mixing up potions and experimenting with all kinds of chemical reactions! Our young chemists will grow crystals, create sidewalk chalk, and even make chromatography T-Shirts to take home. Students will also become science sleuths as they investigate how chemistry provides evidence at the scene of a crime. During this hands-on detective work, children will gather & test “crime scene” clues, make & analyze their own fingerprints, make Rainbow Stompers & much more! Tuition and fees: \$175.

NCSCI-CC025-01 Aug 7-11 1-4pm
Mad Science

ROBOTIC FUN (AGES 6-9)

Have fun constructing a wide range of robot projects throughout the week. Projects will include constructing a Battle-Bot from our huge Robotix™ modular collection, participating in our robot tug-o’ war, Olympic competition, soccer match, and more. Campers will learn engineering principles in a fun, hands-on atmosphere. (This camp focuses on building modular robots from your imagination. Coding is not a focus in this class). All students will take home a Hexbug™ robot as part of this camp. Tuition & fees: \$140.

NCSCI-CC030-01 July 3-7* 1-4pm
**No class July 4.*
Super Science for Kids

SPACE, INFINITY & BEYOND (AGES 6-9)

If your child is “astro-nuts,” he or she will absolutely love this camp! Children involved in this program will develop an interest for outer space or can expand a previous passion for our sensational solar system. Using the Scientific Method, campers will investigate the mechanics of unique flying machines, such as *balloon-copters*, *boomerangs*, and *mini hovercrafts*. Children will be transported to the past as they delve into how early “pilots” navigated throughout space as they create their own sextant and sundial. Building upon previous experiments and knowledge learned throughout the week, campers will use what they’ve learned to construct an Estes™ Sky-winder rocket and have the option of participating in a live launch demonstration.

Tuition & fees: \$175.
NCSCI-CC019-01 Aug 14-18 1-4pm
Mad Science

STEM INVENTIONS WITH LITTLE BITS™ (AGES 7-13)

In this invention workshop, students enhance their skills with a great new system of discovery called LittleBits. LittleBits is a platform of easy-to-use electronic building blocks that empower you to invent anything, from your own remote controlled car, to a smart home device. The Bits snap together with magnets, no soldering, no wiring, and no programming is needed. In our program, students will begin with several inventions designed to let them figure out how the components go together, and then they will design and create their own inventions.

Tuition & fees: \$175.
NCSCI-CC031-01 July 17-21 8:30-11:30am
(Ages 6-9 preferred)
NCSCI-CC031-02 July 17-21 1-4pm
(Ages 9-13 preferred)
Super Science for Kids



SUPER SCIENCE MAKE & TAKE (AGES 6-9)

Discover the excitement of science and make a variety of toys designed to illustrate science concepts that make learning fun. Most of the projects can be taken home as they are made throughout the week. Make your own working telescope as you learn about optics and light. Construct an electro-magnet and a working electric motor. Build an adjustable, ball-launching catapult that changes the trajectory of a flinging projectile. Create a working model of Hero of Alexandria's fountain or a vortex tornado in a bottle. Make ultra-violet bead bracelets, a working compass, submarine divers, and more. Projects will vary by age level and instructions will be taught in more depth for older students. Tuition and fees: \$140.
NCSCI-CC020-01 July 3-7* 8:30-11:30am

*No class July 4.

Super Science Programs for Kids

SUPER SCIENCE STEM CHALLENGES (AGES 7-13)

In this engineering camp, you will have fun integrating Science, Technology, Engineering, and Mathematics by building and designing a wide range of gadgets, inventive machines, towers, crazy contraptions, and more. Projects include: *The Great Tower Challenge, The Standing Cup Pyramid Challenge, Egg Drop Challenge, Wooden Coaster Challenge, Structural Engineering Challenge, Magnificent Marble Machine*, and a host of other fun contests designed to bring out the engineer in you! Tuition & fees: \$175.

NCSCI-CC032-01 July 10-14 8:30-11:30am

(Ages 9-13 preferred)

NCSCI-CC032-02 July 10-14 1-4pm

(Ages 7-10 preferred)

NCSCI-CC032-03 Aug 7-11 8:30-11:30am

(Ages 9-13 preferred)

Super Science for Kids

SUPER SLIMY SMOKEY SCIENCE (AGES 6-9)

Junior Scientists will dive into a variety of scientific fields as they mix and stretch silly putty and slime, copperplate nickels, and investigate the mysteries of optical illusions. Laser experiments and dry ice demonstrations will capture their attention as they observe how fun and exciting science can be. Campers will be amazed as they observe a chemical energy display, the world's simplest motor, and a hair-raising interactive demonstration worthy of praise by Van de Graaff himself! Through hands-on experiments ranging from circuits to catapults, children will be able to experience the fascination of what happens when you mix science and fun! Tuition & fees: \$175.

NCSCI-CC021-01 Aug 14-18 8:30-11:30am

Mad Science

SURVIVAL: CALL OF THE WILD!!!! (AGES 9-13)

Junior Scientists will get in touch with nature as they learn about how changes in the wind, water, and temperature can affect the Earth's inhabitants. As children learn about how animals and insects adapt to life on our planet, they'll flow through the food chain and discover how predators and prey interact with each other. Campers will build a real birdhouse to take home and will have creepy-crawly fun building a bughouse and searching for new tenants! Creating animal tracks out of Plaster of Paris and learning about scent trails will encourage children to take a walk on the wild side! Tuition & fees: \$175.

NCSCI-CC035-01 Aug 14-18 8:30-11:30am

Mad Science

TICKET TO RIDE (AGES 6-9)

Get your ticket to ride at Bricks-4-Kids very own amusement park! Campers will build a new ride each day, learning how to make things spin, roll, turn and rock. Then they will take what they have learned to design their own thrills and challenges. Motorized models maximize the action and the fun. Each day includes carnival-themed games, group challenges model-building and more. *Each camper will receive a mini-figure and Bricks 4 Kidz t-shirt.* Tuition & fees: \$175.

NCSCI-CC033-01 June 26-30 8:30-11:30am

NCSCI-CC033-02 Aug 7-11 1-4pm

Bricks 4 Kidz

ULTIMATE DRONE GAMES: SPEED, SKILL & ACROBATICS (AGES 9-14)

FULL DAY

We check all of the boxes of STEM drone education during this action-packed program. Teams transition from the simulator to the remote control and enjoy a multitude of thrilling challenges on and off the ground! Get ready for a week of friendly competition as you and your team take to the sky and attempt to win the badge of the Ultimate Drone Games champion. Campers will experience the thrill of today's latest drone technology including drones equipped with mini nerf cannons and mini grabbers. It's all about the grand finale as teams conquer challenges and earn points for the end-of-week event: Ultimate Drobot Games. Drone safety and the social responsibilities of flying drones are included in this program. Each participant receives their own Drobots Flight Book™. No drone flying experience necessary. Participants are organized into age-appropriate groups. Tuition & fees: \$400.

NCSCI-CC041-01 Aug 7-11 8:30am-4pm

Drobots Company