

Super Science Summer Camps for Kids

Held at 137 Mountain Ave., Hackettstown, NJ 07840

(908) 684-2383

June 28 - July 2, 2021 |LEGO BUILDING & MACHINES 9:00 - 12:00 AGES 7-12

LEGO enthusiasts, have fun building your favorite adventure from the many themes that Lego has to offer. We will offer projects from Lego Star Wars, City, Architecture, Friends, Creator, and many other themes. Projects will vary depending on availability from LEGO headquarters, but will include age-appropriate new models. Campers will also build a wide assortment. LEGO Education technic machines and create their own projects that illustrate science concepts. Examples include cranes, remote controlled cars, a player piano, and many more. This is a stimulating enrichment program and not geared as a teacher-driven education class. All campers will take home a LEGO project. Children will not share supplies. Age-appropriate projects.

June 28 - July 2, 2021 BATTLE-BOTS & ROBOTIC FUN 12:30-3:30 AGES 7-12

Have fun building and creating using your imagination. Campers will construct a wide range of robot projects throughout the week. Projects will include constructing a Battle-Bot from our huge Robot modular collection, participating in our robot tug-o' war, Olympic competition, soccer match, giant ramp race, Mission to Mars Robot Challenge, and more. Campers will learn engineering principles in a fun, hands-on atmosphere. (Additional exploration will take place with several other types of robots that allow for fun robotic exploration.) All students will take home a Hexbug robot as part of this camp.

July 6 - 9, 2021 CHEMICAL WIZARDRY 9:00-12:00 AGES 6-12

Our favorite experiments combined into one super class of science! Get ready for a fun-filled "magical" laboratory experience Harry Potter style! This class is an introduction to the science of chemistry and physics. In addition to learning about atoms, bonding, and the periodic table, you will enjoy making Flubber, Silly Putty, Super Hi- Bounce balls, and more. Have fun making 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. Most projects will be taken home along with a recipe booklet and mini chemistry kit!

July 6 - 9, 2021 SUPER SCIENCE MAKE & TAKE 12:30-3:30 AGES 6-12

Have fun making unique toys that are designed to teach science concepts in a fun way! Make your own working monocular as you learn about the optics of 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 vortex tornado in a bottle. Make ultra-violet bead bracelets, a working compass, a musical instrument, submarine divers, and more. Most projects will be taken home!

July 12-16, 2021 CRIME SCENE INVESTIGATION 9:00-12:00 AGES 7-12

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. Take home a CSI Kit!

July 12-16, 2021 SQUISHY CIRCUITS 12:30-3:30 AGES 7-12

Have fun using conductive and insulating play dough to learn about the basics of electric circuits! With Squishy circuits, you will get to use unique electronic components to solve problems, engineer solutions and inspire your creativity and thinking. Build creative gadgets with buzzers, motors, LEDs, play dough, and more! This program will also feature inventions with LittleBits, Snap Circuits, and more. Take home room alarm made in class!

July 19-23, 2021 GEAR & PULLEY EXPLORATIONS 9:00-12:00 AGES 7-12

Gear up for some amazing science fun! What happens when gears are connected? Do they rotate together, at the same speed, or in the same direction? Does it even matter how they touch each other? Discover these answers, and more, with this class. Build, tinker, and create amazing gadgets. Conquer different levels of challenges and have fun learning! Projects include making and taking home a motorized gear and pulley driven car, a hydraulic claw-project, and more!

July 19-23, 2021 CHEMICAL WIZARDRY 12:30-3:30 AGES 6-12

Our favorite experiments combined into one super class of science! Get ready for a fun-filled "magical" laboratory experience Harry Potter style! This class is an introduction to the science of chemistry and physics. In addition to learning about atoms, bonding, and the periodic table, you will enjoy making Flubber, Silly Putty, Super Hi- Bounce balls, and more. Have fun making 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. Most projects will be taken home along with a recipe booklet and mini chemistry kit!

July 26 - 30, 2021 STEM CHALLENGES 9:00-3:00 AGES 7-12

In this engineering camp, you will have fun integrating Science, Technology, Engineering, Art, and Mathematics by building and designing a wide range of gadgets, inventive machines, towers, crazy contraptions, and more. Projects include: The Great Tower Challenge, Wooden Coaster Challenge, Structural Engineering Challenge, Balsa Bridge Engineering Challenge Magnificent Marble Machine, and a host of other fun contests designed to bring out the engineer in you! Students will work with ZomeTool, Keva, Matchitecture, Lego Architecture, K'NEX, Gravitrax, and a variety of projects that use every-day materials.

August 3-7, 2021 AMUSEMENT PARK SCIENCE 9:00-3:00 AGES 7-12

The goal of this full - day themed adventure is to learn about the science of how amusement park rides work. To do this, we will actually attempt to make a miniature model amusement park! Projects will include building several roller coasters, Ferris Wheels, a swing ride, carousel, and several other unique amusement park rides. Students will learn by doing. Each day they will experience some of the same challenges that amusement park designers face. Students will build with Lego and K'NEX models new and historic in this enrichment program. All students will take home a K'NEX Amusement contraption made in class!

August 9-13, 2021 LEGO BUILDING & BATTLE-BOTS

9:00-3:00

AGES 6-12

LEGO enthusiasts, have fun building your favorite adventure from the many themes that Lego has to offer. We will offer projects from Lego Star Wars, City, Architecture, Friends, Creator, and many other themes. Projects will vary depending on availability from LEGO headquarters, but will include age-appropriate new models. Campers will also build a wide assortment. LEGO Education technic machines and create their own projects that illustrate science concepts. Examples include cranes, remote controlled cars, a player-piano, and many more. Then have fun building and creating using your imagination. Campers will construct a wide range of robot projects throughout the week. Projects will include constructing a Battle-Bot from our huge Robot modular collection, participating in our robot tug-o' war, Olympic competition, soccer match, giant ramp race, Mission to Mars Robot Challenge, and more. Campers will learn engineering principles in a fun, hands-on atmosphere. (This camp focuses on building modular robots from your imagination. Additional exploration will take place with several other types of robots that allow for fun robotic exploration. All students will take home a Hexbug robot or Lego Project as part of this camp.

August 16-20, 2021 9:00-12:00 DIGGIN' FOR DINOSAURS

12:30-3:30

Ages 6-10

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 and minerals that you will learn about in the program, a rock and mineral book, unearthed treasures, fossilized shark teeth, and more.

Super Science Programs for Kids

Science Camps for Summer 2021

Held at our new classroom summer only facility

137 Mountain Ave., Hackettstown, NJ 07840

Questions? Call Dan Weissman @ (908) 684-2383 superscienceprogramsforkids@gmail.com

Dates	Title	Fee
6/28-7/2	Lego/Motorized Machines	\$135.00
6/28-7/2	Battle-Bots & Robotic Fun	\$135.00
7/6-7/9 (No class 7/5)	Chemical Wizardry	\$110.00
7/6-7/9 (No class 7/5)	Super Science Make/Take	\$110.00
7/12-7/16	Crime Scene Investigation	\$135.00
7/12-7/16	Squishy Circuits	\$135.00
7/19-7/23	Gear & Pulley Explorations	\$135.00
7/19-7/23	Chemical Wizardry	\$135.00
7/26-7/30	STEM CHALLENGES	Half Day \$135, Full \$250
8/2-8/6	Amusement Park Science	Half Day \$135, Full \$250
8/9-8/13	Legos, Machines, Robots	Half Day \$135, Full \$250
8/16-8/20	Diggin' for Dinosaurs	\$135.00
Circle Weeks	Add Total Here	Please deduct \$20 for 2nd child

Name of Child 1: _____ Age _____

Name of Parent(s) _____

Phone _____ Emergency Phone _____

Email Address: _____

Mailing Address: _____

Questions? Call Dan @ (908) 684-2383

Mail Registration with Payment by Check to: Super Science Programs for Kids, 52 Slope Dr., Hackettstown, NJ 07840. Or pay by PayPal: www.superscienceprogramsforkids@gmail.com

Not sponsored by the Washington Twp. School District