

KIDS@CARROLL

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-bowing 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**