

Sonder Creek Academy Robotics Camps

Dates	Morning 9:00AM-12:00PM Grade 3rd- 8th	Afternoon 12:45PM-3:45PM Grade K- 2nd
Jun 15 – Jun 18	Robot Arena League	Young Techies Robotics Lab
Jul 6 – Jul 10	Mystery Makers & Coding Detectives Adventure Camp	Young Inventors & Space Explorers Camp
Aug 3 – Aug 7	Wizard Robotics Academy	Junior Robotics & Engineering
Aug 10 – Aug 14	Smart City Engineers: Self-diving cars & Robotics Camp	Furry Engineers Robotics Camp

Robot Arena League

Step into the ultimate Robot Battle Arena, where engineering meets action! In this high-energy, hands-on robotics camp, students code and design VEX IQ robots equipped with sensors, motors, gears, arms, and claws to take on thrilling arena challenges. Students will program robots to push, grab, lift, and move objects while developing teamwork, strategy, and real-world engineering skills.

Through engaging design challenges, strategy-based matches, and creative problem-solving, students will test, improve, and refine their robots, participate in friendly competitions, and rise to become ultimate arena champions.

Mystery Makers & Coding Detectives Adventure Camp

Put on your detective badge and get ready to solve exciting mysteries! In this engaging summer adventure, campers become junior detectives as they design treasure maps, crack secret codes, build clever puzzles, and create interactive mystery stories using Scratch, a beginner-friendly visual coding platform.

Students will design digital escape rooms and animated adventures that bring their mystery ideas to life while developing foundational coding skills.

Through a thoughtful blend of hands-on activities and guided technology projects, campers strengthen logic, problem-solving abilities, storytelling skills, and creativity.

Wizard Robotics Academy

Step into a world of magic, creativity, and technology at our Wizard Robotics Academy! In this exciting camp, students become young wizards-in-training as they learn to control enchanted robotic orbs (Sphero BOLT) using coding “spells.”

Throughout the week, students will master magical robot movement commands, create glowing spell effects, and complete exciting quests such as navigating potion mazes, solving enchanted challenges, and rescuing magical creatures by programming robots to complete missions.

Along the way, they will develop problem-solving skills, computational thinking, teamwork, and confidence in a fun and imaginative environment.

Smart City Engineers: Self-Driving Cars & Robotics Camp

How do self-driving cars work? How do smart cities use technology to make transportation safer and more efficient?

In our Smart City Engineers Camp, students explore these exciting questions by learning to program micro:bit and autonomous robotic vehicles.

Students begin by learning the fundamentals of micro:bit programming, where they discover how computers give instructions, control movement, and interact with the real world. They then apply their coding skills to program Cutebot robotic vehicles using sensors to create intelligent cars that can detect roads, follow paths, avoid obstacles, and make automated decisions.

Space Explorers Robotics Camp

In our Space Explorers Robotics Camp, students become space scientists and engineers while learning coding and robotics using VEX 123 robots. Students will use coders and Coder Cards to give instructions and control their robots.

From Moon Landing Missions and Alien Communication Challenges to Mars Rover Expeditions, students will use basic coding instructions to complete exciting space missions. Using simple coding methods and logical thinking, they will guide their robots through space adventures and solve fun challenges inspired by real-world space exploration.

Junior Robotics & Engineering

Build it. Make it move. Engineer it! In this camp, students explore how engineers design strong structures and create machines that make them work. Through hands-on building with bricks and parts, students discover how buildings, bridges, and simple machines are designed, built, and tested in the real world.

Students will also explore engineering concepts by creating moving systems using gears, wheels, levers, and other simple machines. They will design structures that can withstand exciting earthquake simulations, build bridges that support weight, and create models with moving parts such as lifts, gates, and construction machines.

Furry Engineers Robotics Camp

Get ready for a paws-itively fun STEM adventure! In Furry Engineers Robotics Camp, students become engineers as they explore robotics and problem-solving while helping furry friends complete exciting missions using VEX robots.

Students will use the Coders and coding cards to command robots to perform missions such as delivering treats to pups, transporting animals to a pet clinic, and helping a lost cat find its way home.

This engaging camp blends imagination, storytelling, and technology to help students develop early robotics and engineering skills in a fun and supportive environment.

Young Techies Robotics Lab

Engage in the exciting world of robotics using wheels, gears, figurines, and building bricks to explore forces, motion, and gravity. Students participate in hands-on activities that bring science concepts to life while creating dynamic projects that make STEM learning fun and engaging.

Through interactive exploration, students deepen their understanding of engineering principles while developing creativity and problem-solving skills. They also build essential teamwork and communication skills as they collaborate on projects. This interactive approach fosters innovation and helps students build a strong foundation for working effectively with others.