LEGO® ROBOTICS: ENGINEERING AND CODING

The LEGO® Robotics course introduces students to mechanical engineering and problem-solving through hands-on projects. Students design complex machines, build automated systems, and enhance coding skills, all while fostering teamwork and a deeper understanding of engineering principles. Through engaging challenges, they develop critical thinking and creativity in a collaborative environment. By the end of the course, students will have built a strong foundation in robotics, preparing them for future technological learning and innovation.

Ages 9-14

INCLUDES THE FOLLOWING THEMES

INVENTOR SQUAD • SPORTS • SMART MOVES • SPYBOTICS

SAMPLE DAILY SCHEDULE

- Morning Launch
- Lab 1: Robot building
- Snack & Free Play
- Lab 2: Robot Coding
- Lunch & Free Play
- Lab 3: Games
- Snack & Free Play
- Lab 4: Challenges
- Reflect & Close
- Outdoor Free Play

CAMP HIGHLIGHTS

Real-World Problem Solving :
Campers apply engineering and critical thinking to solve exciting, real-world challenges.

Hands-On Engineering :
Campers dive into mechanical engineering by building and testing innovative machines..

STEM-Focused Fun:
Each project blends science, technology, engineering, and math, inspiring curiosity and exploration.

Collaborative Problem Solving:
Campers tackle engineering obstacles together, strengthening teamwork and communication.Drone Navigation

CAMP BASICS

Camps are designed to inspire a love of learning and ignite curiosity.
Camps are weekly Monday- Friday, Start/end times & before/after care vary by location.
Campers bring their own lunch, snacks and water bottle.

WARNING: LEGO® Enthusiasts hard at work, so the above schedule is subject to change without notice.