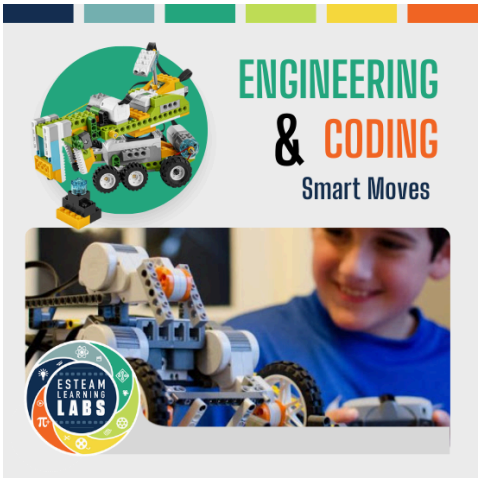
LEGO® ENGINEERING & CODING: SMART MOVES



In this immersive and hands-on course, students will step into the future of transportation, learning how to build and program autonomous LEGO® robots that can navigate through a variety of challenges. This course is designed for advancing engineers eager to explore the intersection of robotics and transportation while deepening their understanding of robotics and coding. Students will spend time building different vehicles (Bumper cars, ATVs, Drag race cars, and others) and testing them on custom tracks. They will discover how these systems are transforming the way we move in the 21st century.

Ages 9-14

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.

Future of Transportation
Campers design and program autonomous LEGO® vehicles, from bumper cars to drag racers, exploring how robotics is shaping modern transportation.

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.