



LEGO Robotics, Grades 4 – 6 **Peek at the Week**

Learn about engineering, mathematics, design, and problem solving methods to solve a mission based on a national robotics competition.

Day 1, Let's Get Moving: Learn about power and motor control and integrate math skills in order to program the robots to travel appropriate distances and angles.

Day 2, Sensing Your Surroundings: Explore how sensors such as touch, ultrasonic, light, and sound can be integrated into a robotic system.

Day 3, Transporting Objects: Design and construct attachment devices in order to collect and transport objects based on the mission at hand.

Day 4, Smart Move Mission Design: As a team, program one of five available missions as you learn about design parameters and put their acquired programming skills to the test.

Day 5, Smart Move Competition: Showcase your programmed robot in friendly competition on your Smart Move Playing Field. Present your robot and program to the other engineering teams for feedback and review.