

Build your Move Motor Sensor Car

60 minutes**Designing and Building for the Future**

WHAT THIS LESSON DOES

Unpack your Move Motor Sensor Car kit and lay out the contents. Follow the step-by-step instructions in the yellow booklet to assemble the car, connect to Makecode, add the Move Motor Extension, and code the motors. Explore the buzzer, Zip LEDs, line following sensors, and the distance sensor. Once built, experiment with different movements and LED uses.

WHAT STUDENTS SHOULD BE ABLE TO DO

- Develop practical skills in assembling a Move Motor Sensor Car.
- Understand how to connect the Move Motor Sensor Car to Makecode.
- Acquire coding skills for controlling the motors, buzzer, and LEDs of the Move Motor Sensor Car.
- Learn to utilise the line following and distance sensors for navigation.
- Encourage exploration and creativity in coding for different movements and LED usage.

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HOW THE LESSON RUNS

Open the package

Follow the instructions

Assembling: Move Motor

Getting Connected to Makecode

Add in :Move Motor Extension

Coding the Motors

The Buzzer

The Zip LEDs

The Line Following Sensors

The Distance Sensor

Explore