

Sensing Your Surroundings Worksheet

Exploration and Data Collection

1. Build the robot design as described in the *Sensing Your Surroundings Building Instructions*.
2. Explore the sensors, referring to the chart below. Fill out the chart as you go.

Program	Sensor Used	External Stimulus	Response
Detect Color			
Detect Distance			
Detect Sound			
Detect Touch			

3. Brainstorm with your team: For what real-world purposes might these sensors be used?

To detect color:

To detect distance:

To detect sound:

To detect touch:

