Line-Following Robot

Name: _____

Date: _____

Student worksheet

Directions: Use this page to record data during your experiment.

Build and Experiment

1. Follow your teacher's instructions to build your robot.

2. Try holding different materials up in front of your robot's infrared (IR) sensors. Use this data table to record how your robot reacts to the different materials.

Material	Observation(s)

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Name: _____

Directions: Use this page to reflect on your experiment and think about next steps.

3. Based on your observations, which materials should you use to make a line-following race course for your robot?

4. Make a sketch of the race course you want to build for your robot. Are there any potential problems you should try to avoid?