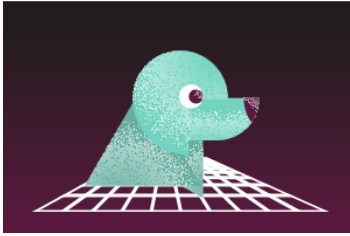


Accessibility

GoBox Mission 02



Your mission

Create a robotic guide dog that can lead someone on a pre-planned path around your home without running into walls or obstacles.

Design: Guide Harness

Investigate materials around your home to choose the one you can sense best with your eyes closed.

Material	Length	Result
Rigid Material: _____	<i>long</i>	<i>I could easily feel....</i> <i>I had trouble feeling....</i>
	<i>short</i>	<i>I could easily feel....</i> <i>I had trouble feeling....</i>
Flexible Material: _____	<i>long</i>	<i>I could easily feel....</i> <i>I had trouble feeling....</i>
	<i>short</i>	<i>I could easily feel....</i> <i>I had trouble feeling....</i>

Sketch the guide harness you plan to build. Label the materials you will use for its construction.

Design: Obstacle Avoidance Program

Think about how your robot should behave as it moves around the house.

1. How close to an object should the GoPiGo get before it reacts? _____
2. When it detects an obstacle, what should the robot do?
3. What else might your robot do?