

Sensor Scavenger Hunt Activity

Instructions

Look around your home, classroom, or workplace to identify and classify different input devices in technology and everyday objects. Create a catalog of at least five different sensors you find.

Your Sensor Catalog

Sensor Type	What It Detects	How It Functions	Robotics Application
1.			
2.			
3.			
4.			
5.			

Example Entry

Sensor Type	What It Detects	How It Functions	Robotics Application
Light sensor on smartphone	Ambient light levels	Uses a photodiode to measure light intensity and adjusts screen brightness	Could help a robot navigate toward or away from light sources, or adjust operations based on lighting conditions

Reflection Questions

1. Which sensor surprised you the most?
2. Which of these sensors would be most useful for a robot that needs to navigate your home?
3. Can you think of any sensors that would be useful for robots but aren't commonly found in everyday devices?