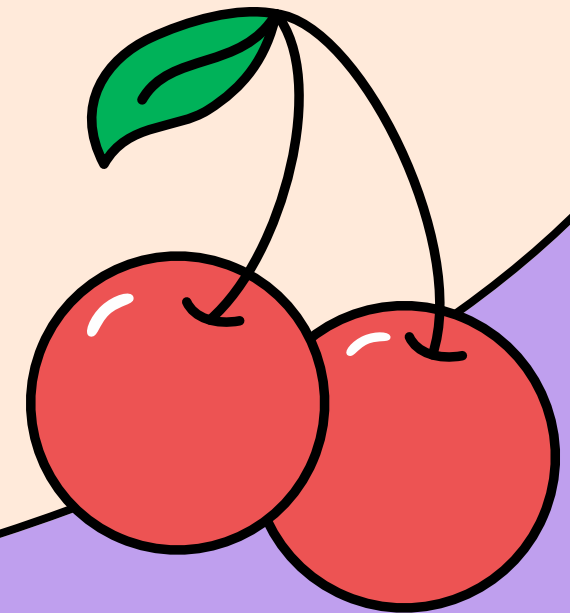
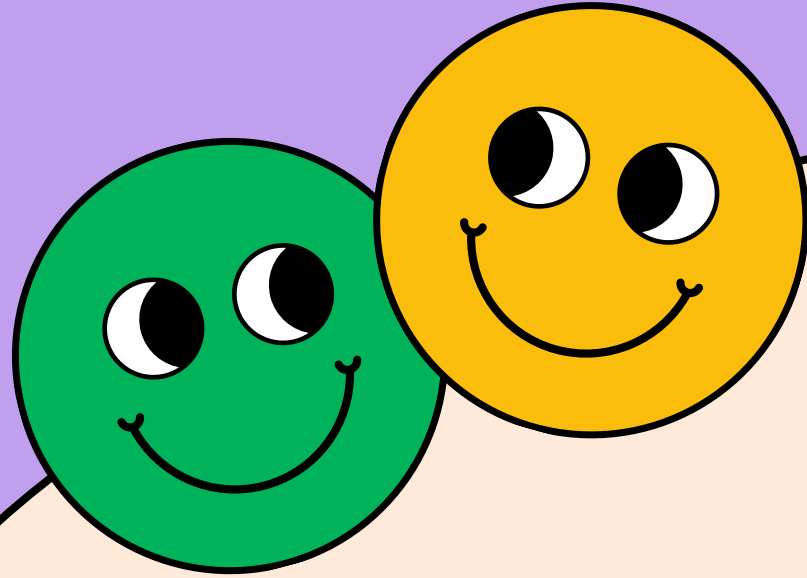
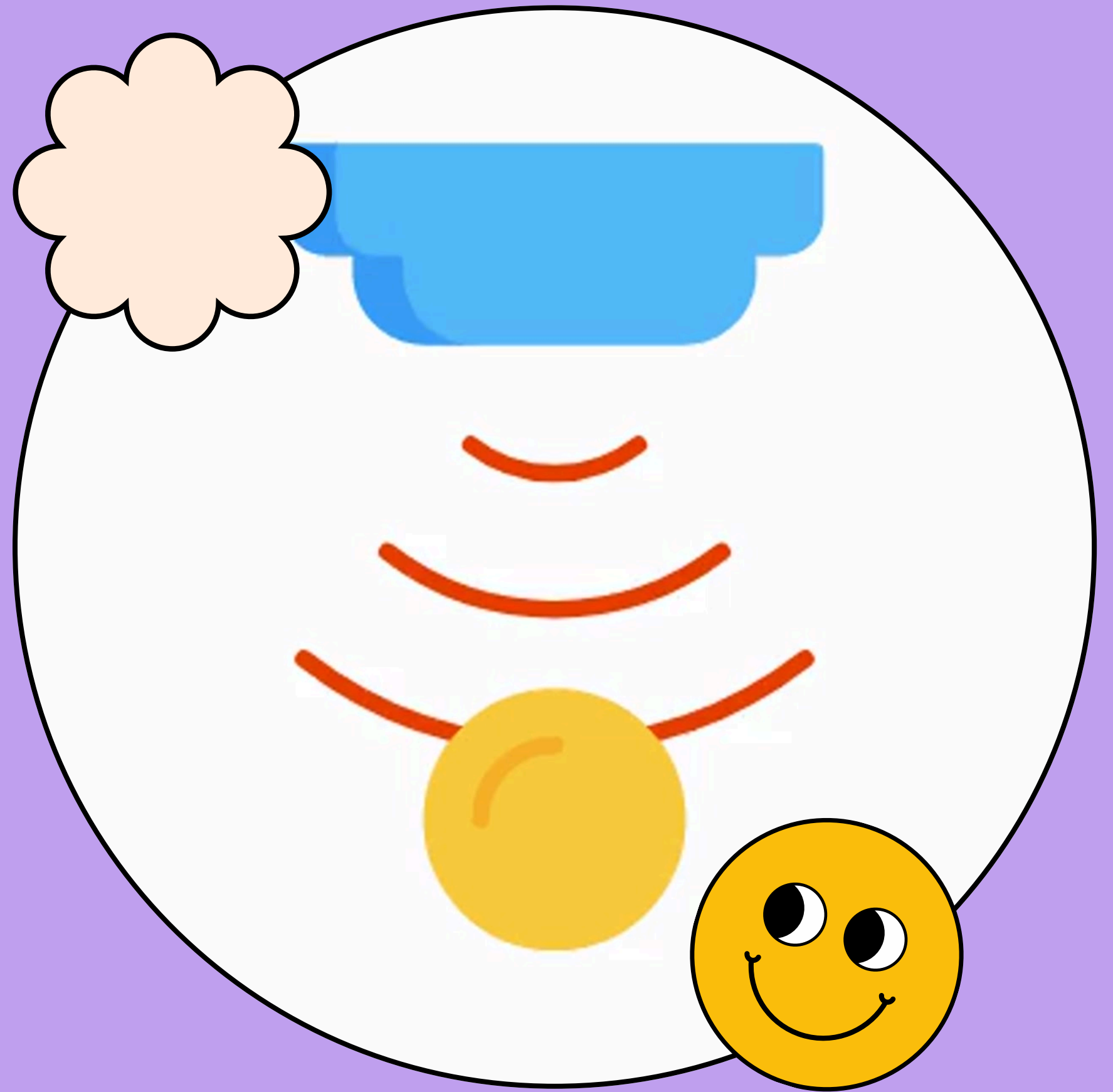


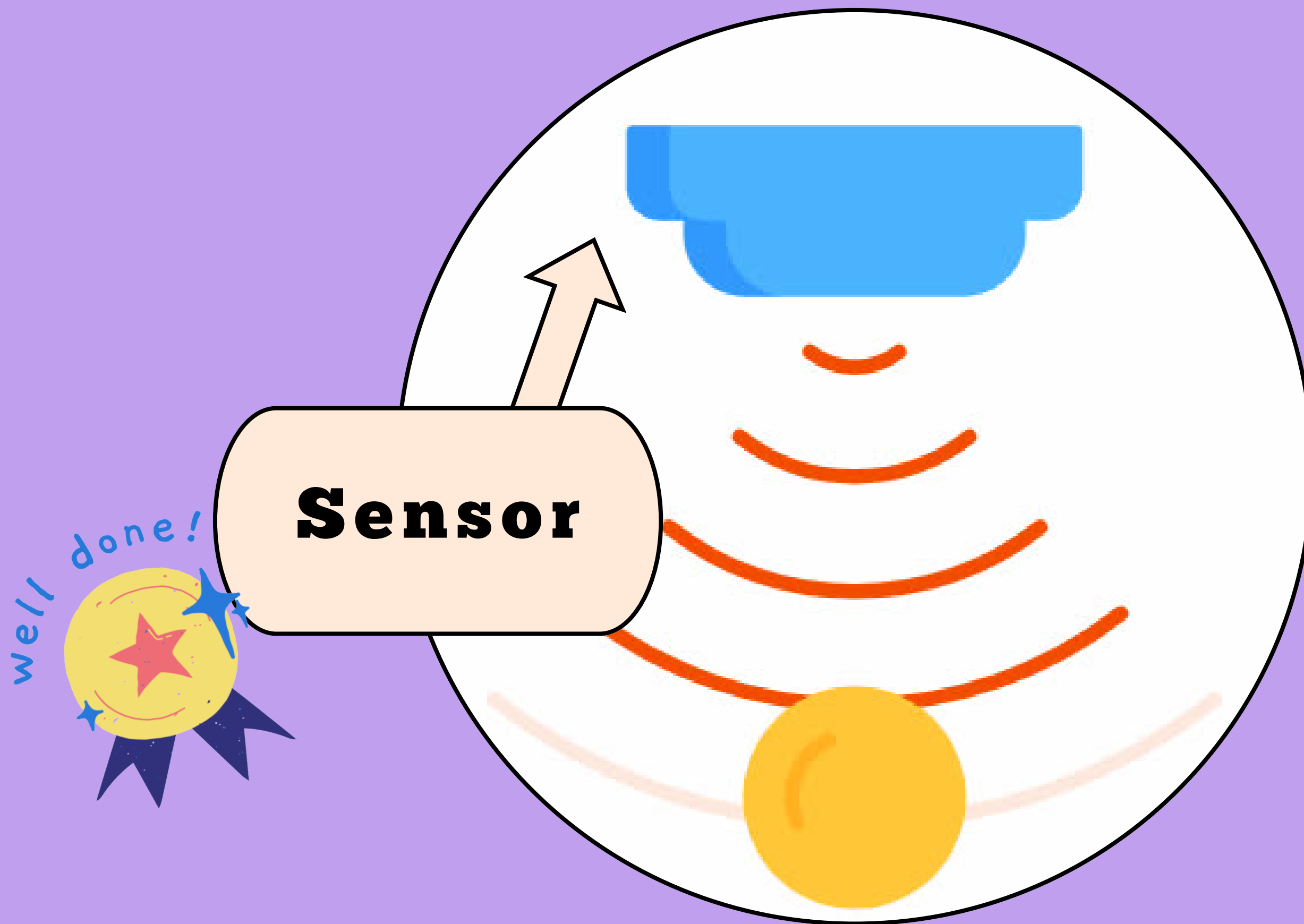
LET'S LEARN ABOUT SENSORS



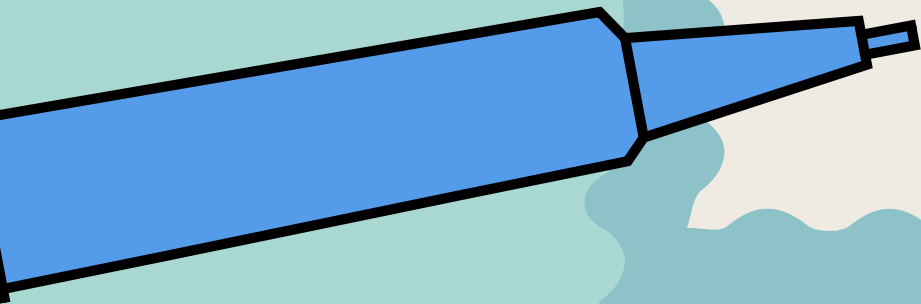
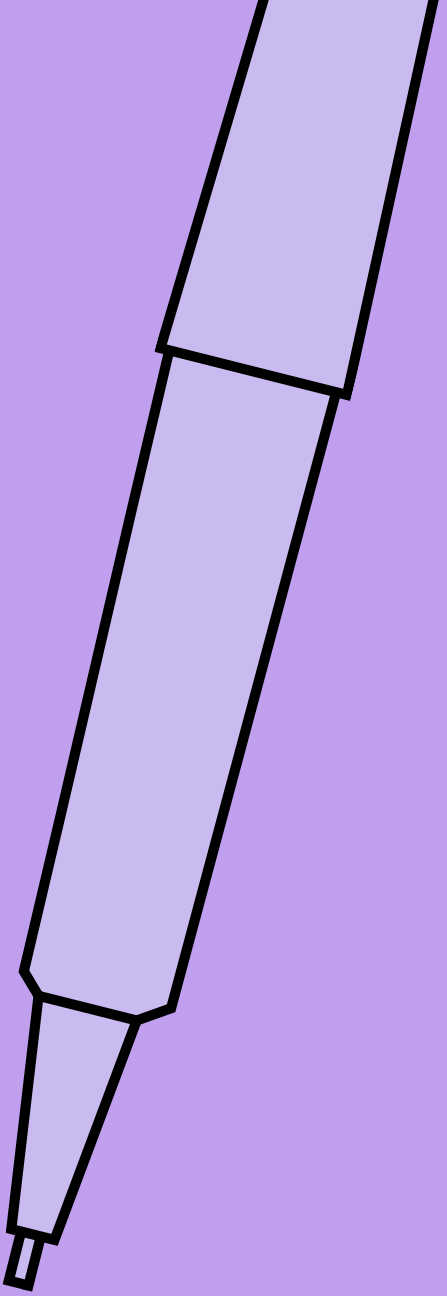
What is a Sensor?

Can you see what the ball is being sensed by?

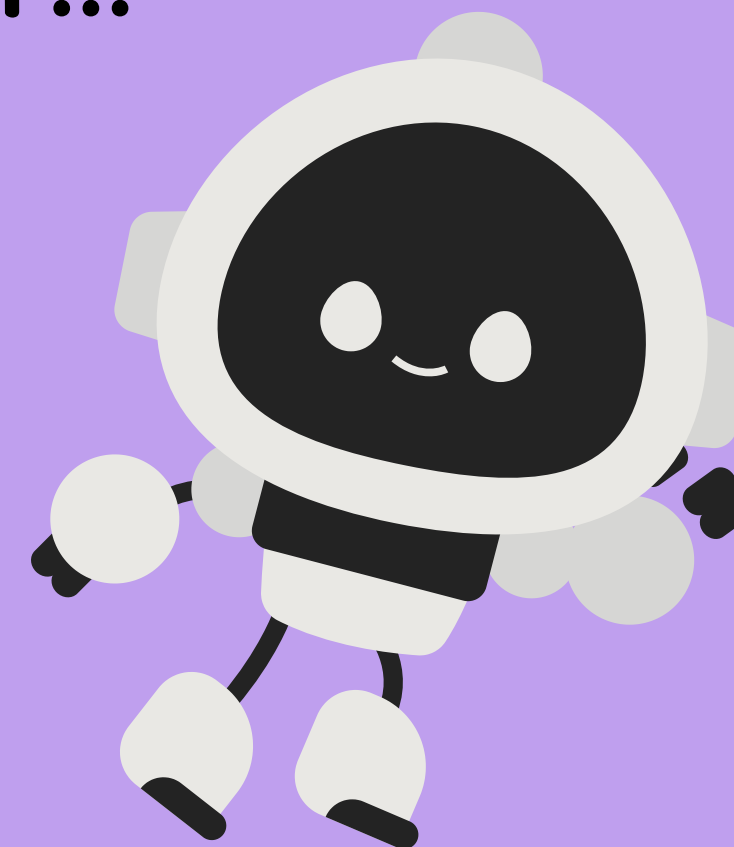




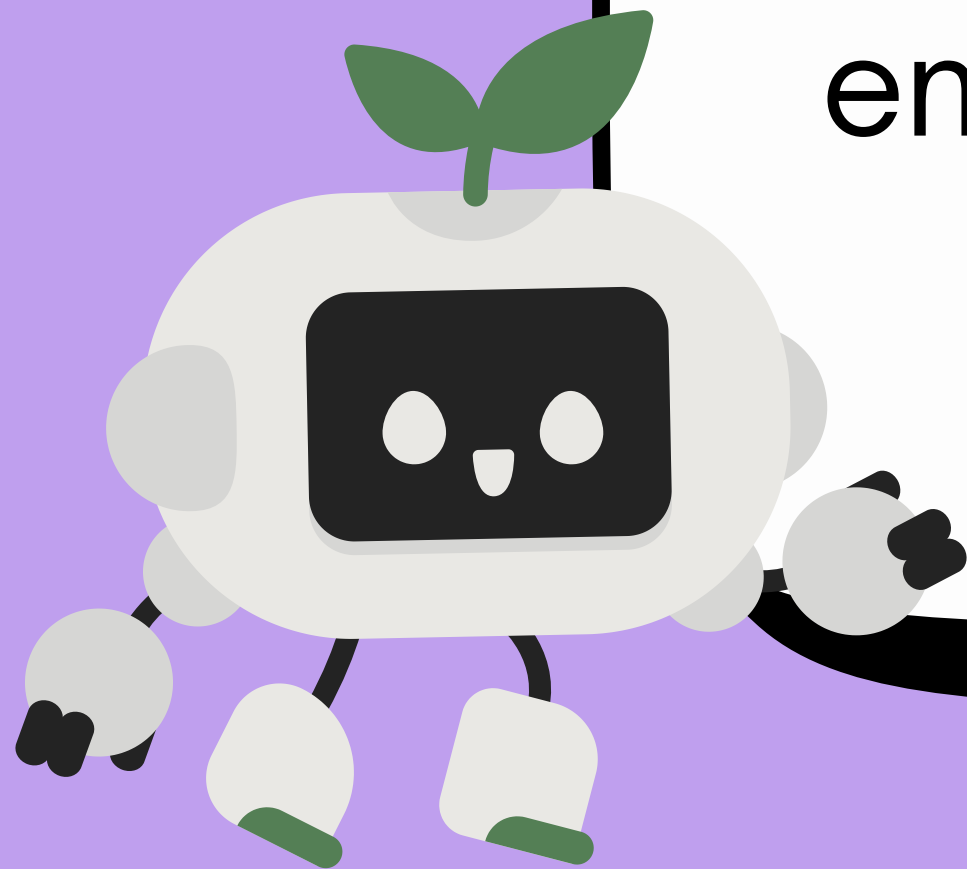
A device that is used to
record that something is
present or that there are
changes in something
(Cambridge Dictionary)



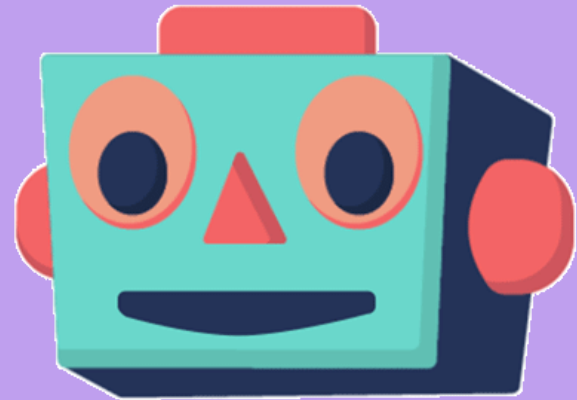
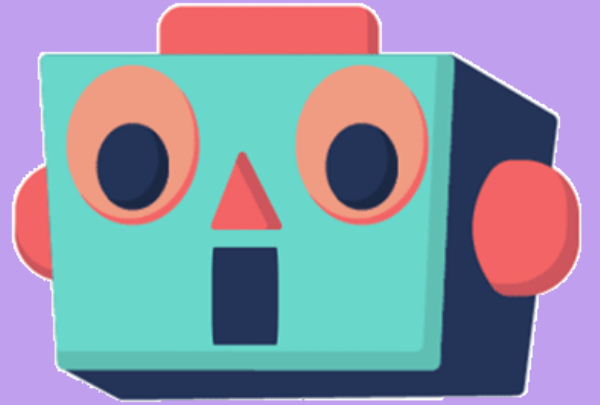
in the context of robot...



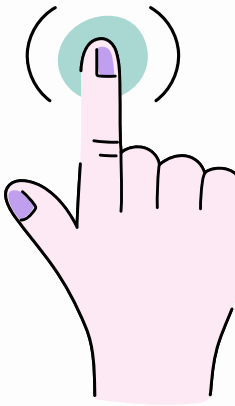
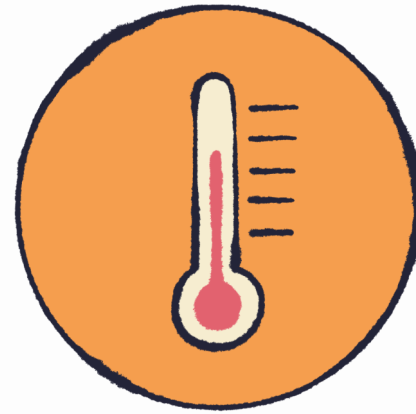
sensors are devices that allow a robot to perceive and interpret its surrounding environment, as well as its own internal state



Common Types of Sensor



Temperature
Sensor



Touch
Sensor

Common Types of Sensor

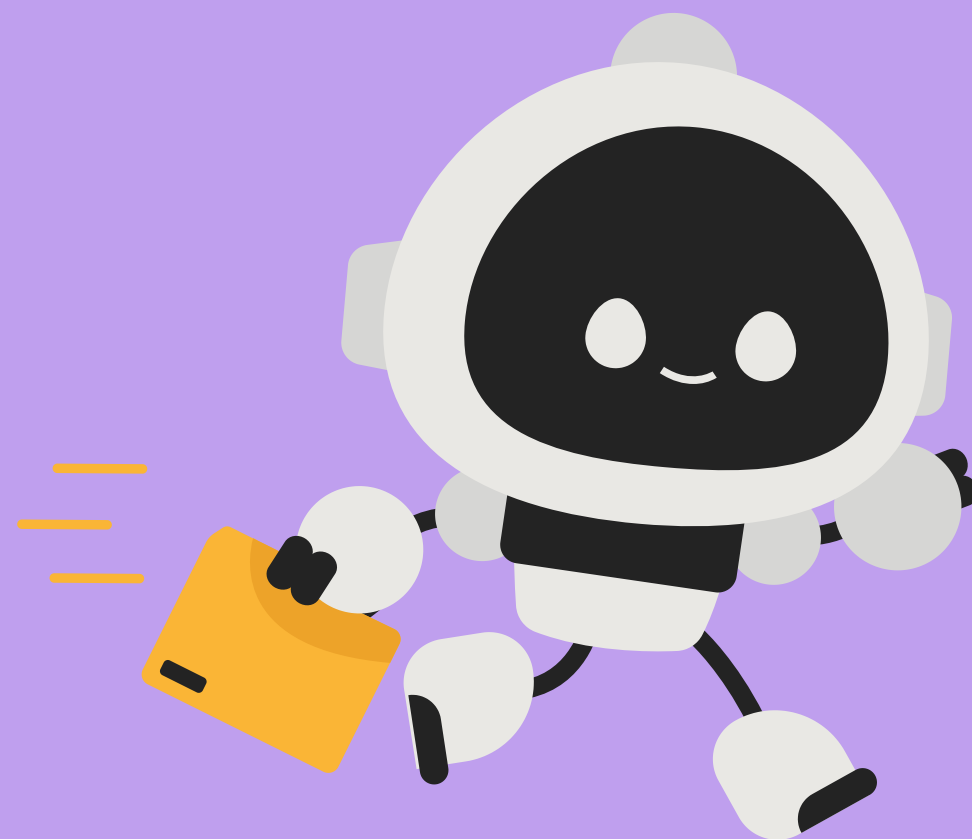


Light
Sensor

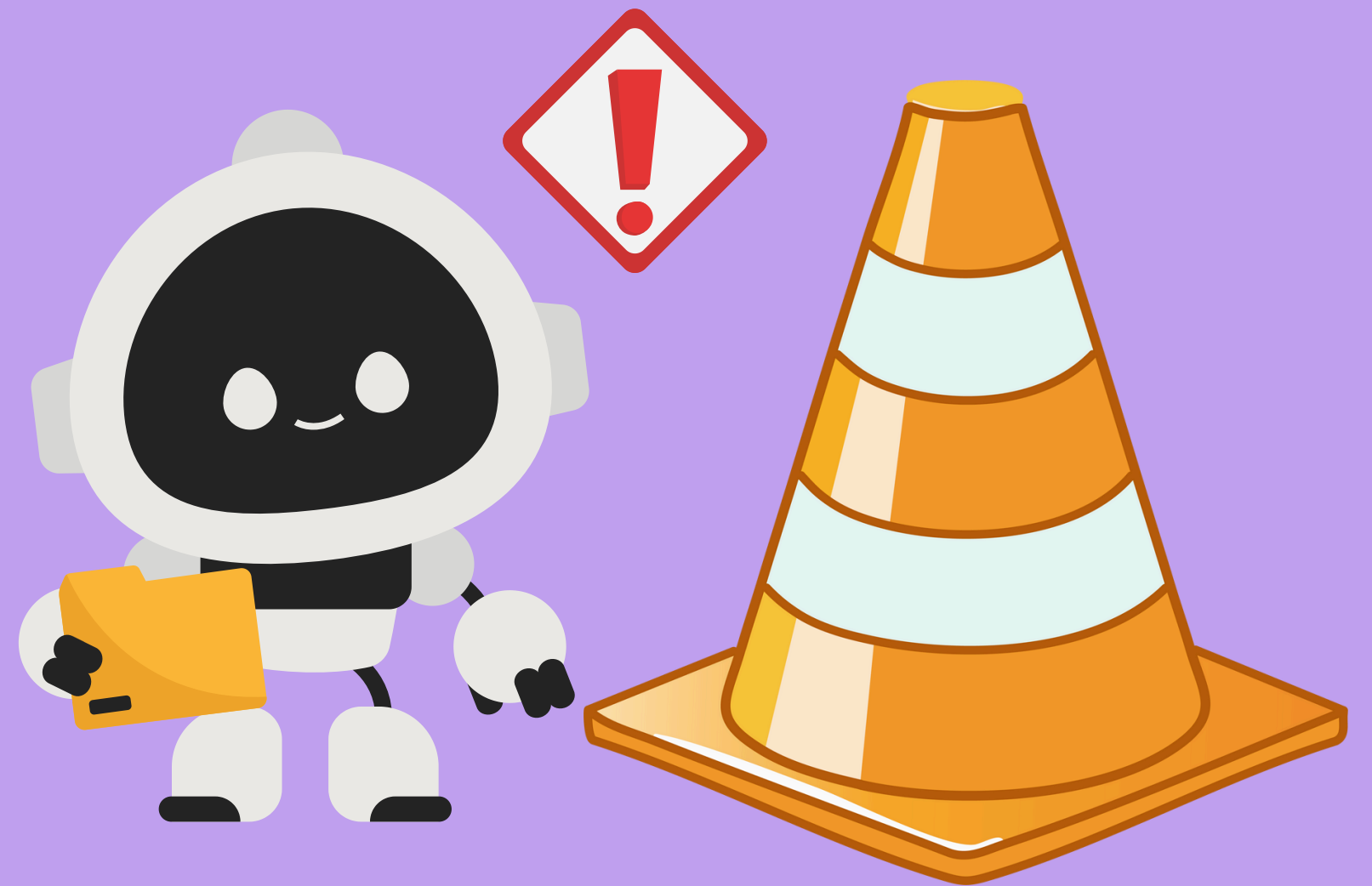


★ How to relate
sensor and robot?

when an
obstacle is close
to the robot...

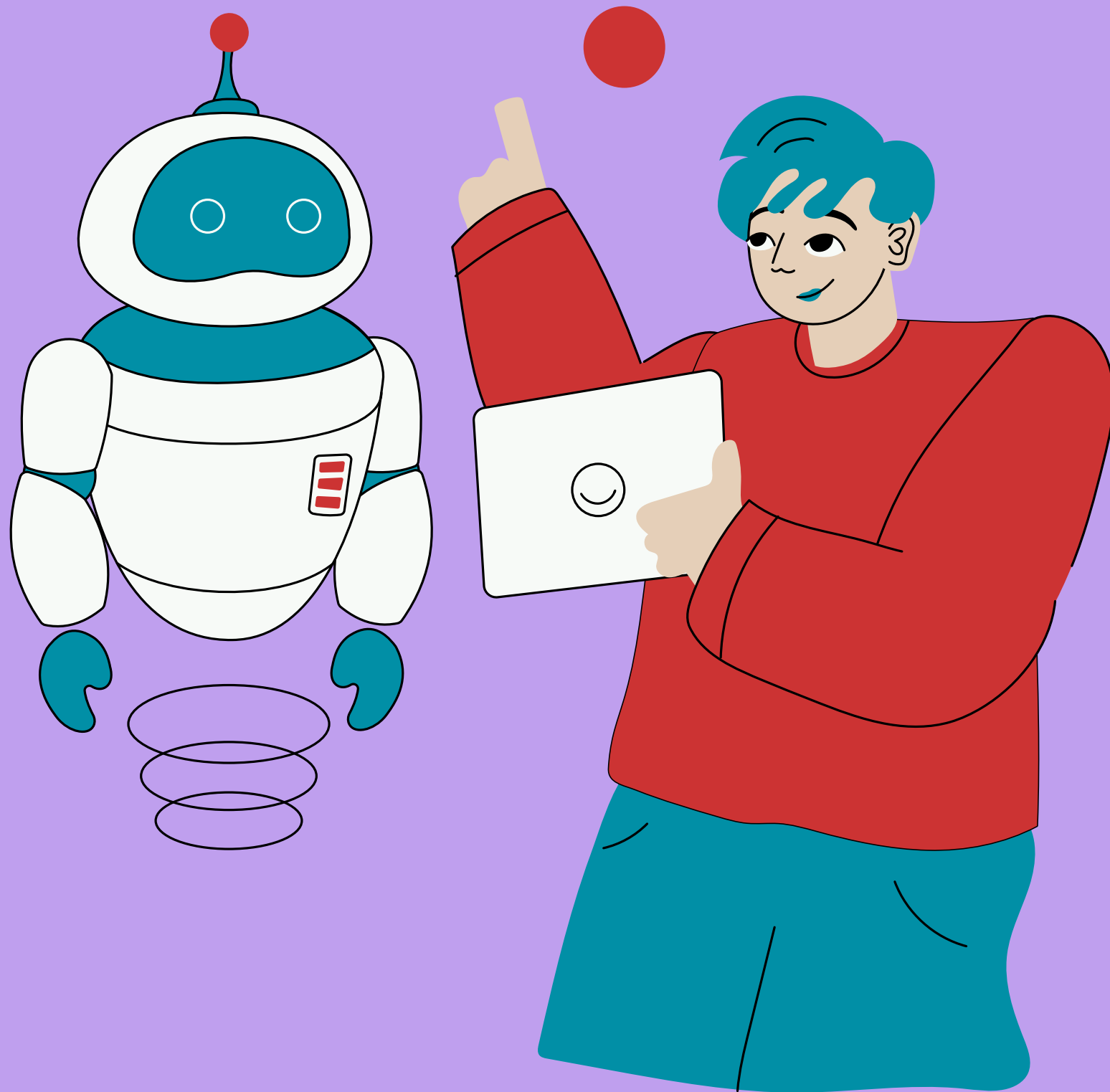


... the robot
will stop



Some simple example using different types of sensors

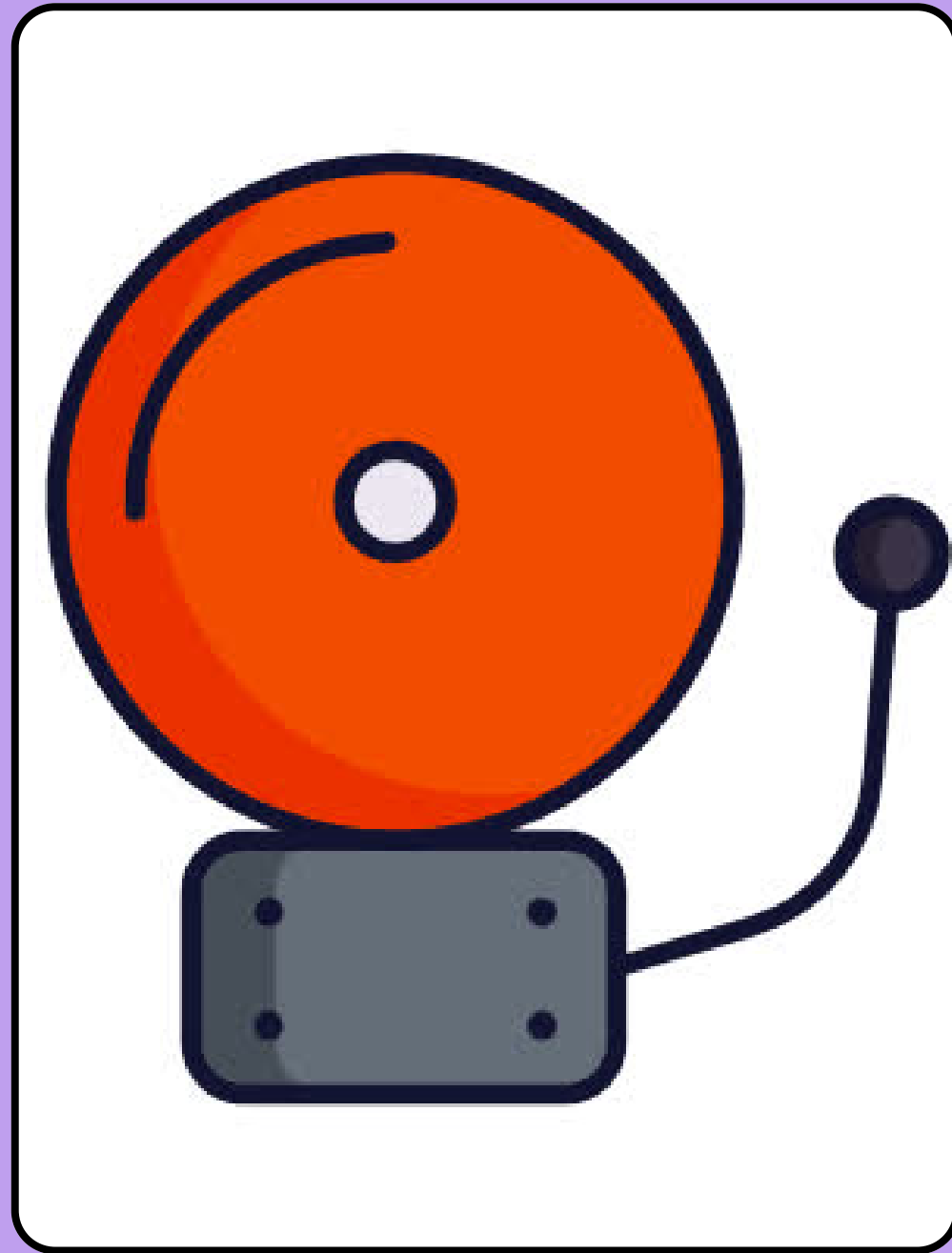




Real Life Examples

Can you notice anything around your surroundings that uses a sensor?

You would see these examples in your daily life

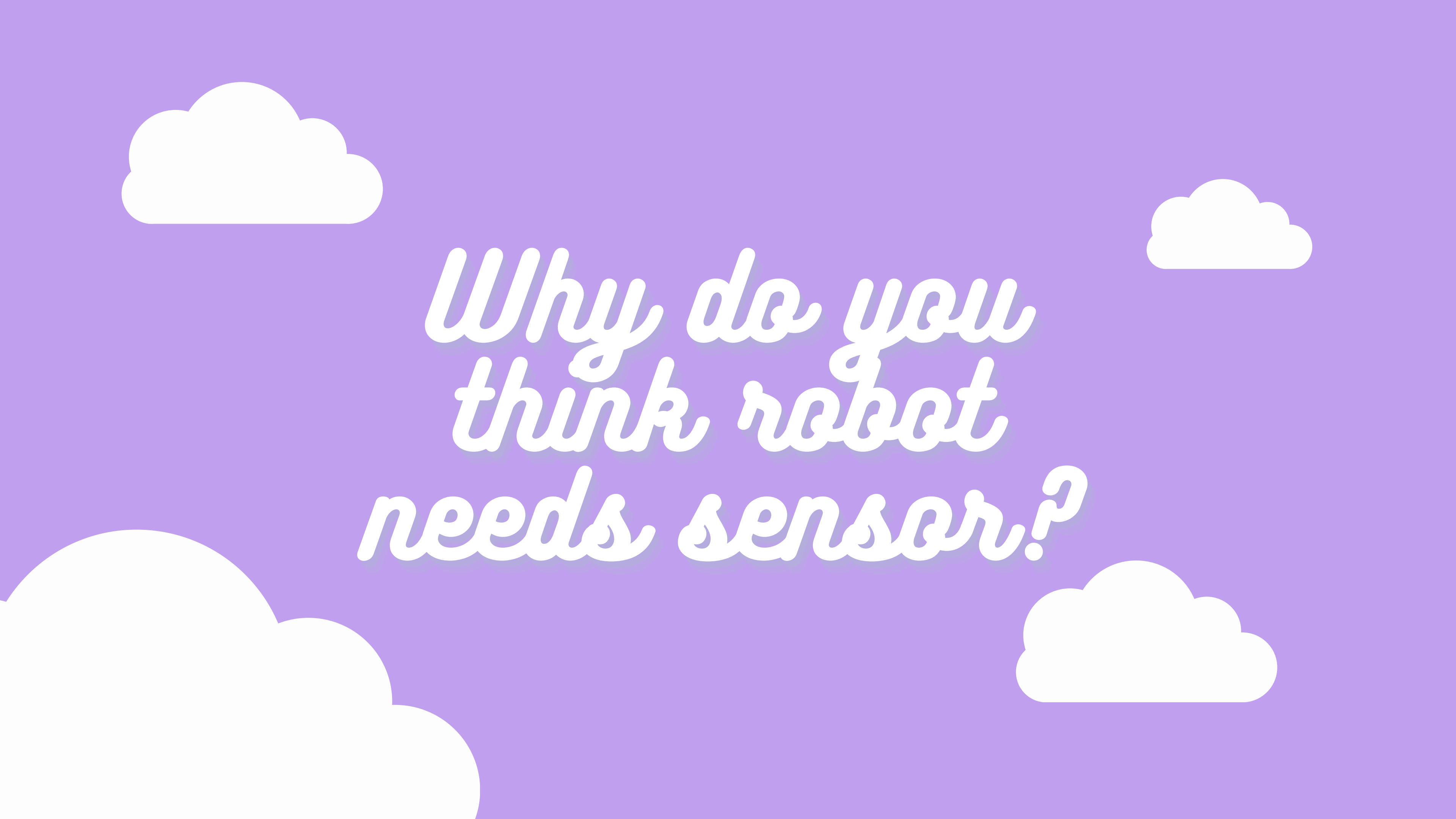


Fire Alarm System

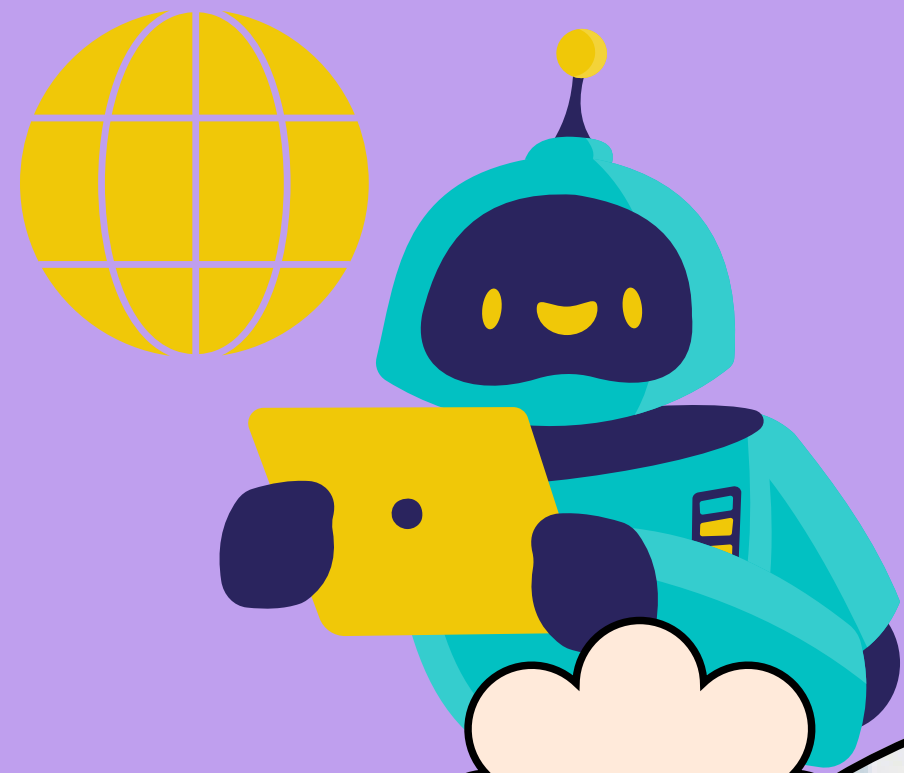
Lift Buttons



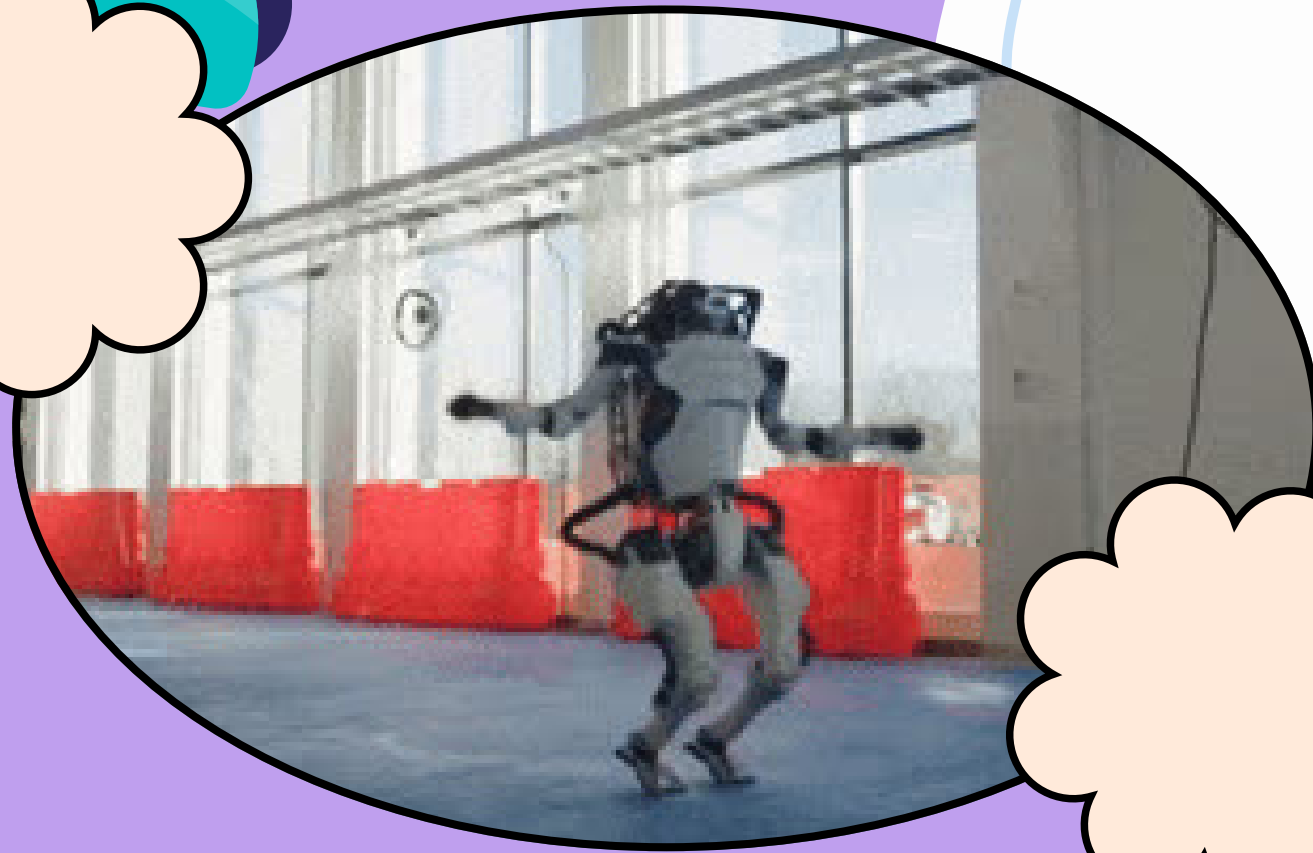
Street Lights

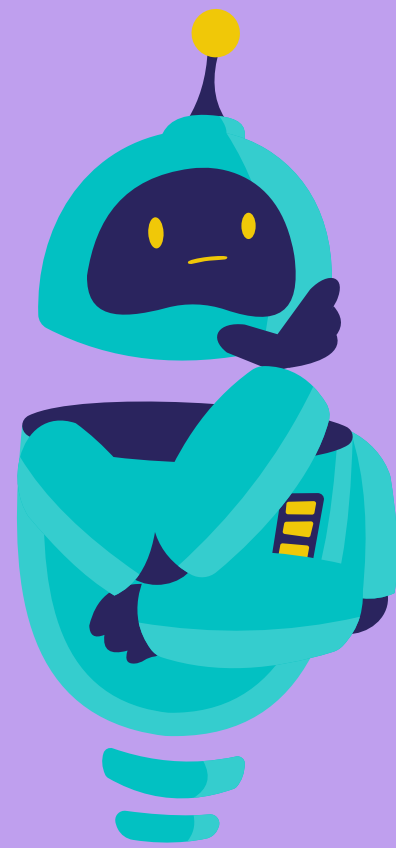


*Why do you
think robot
needs sensor?*



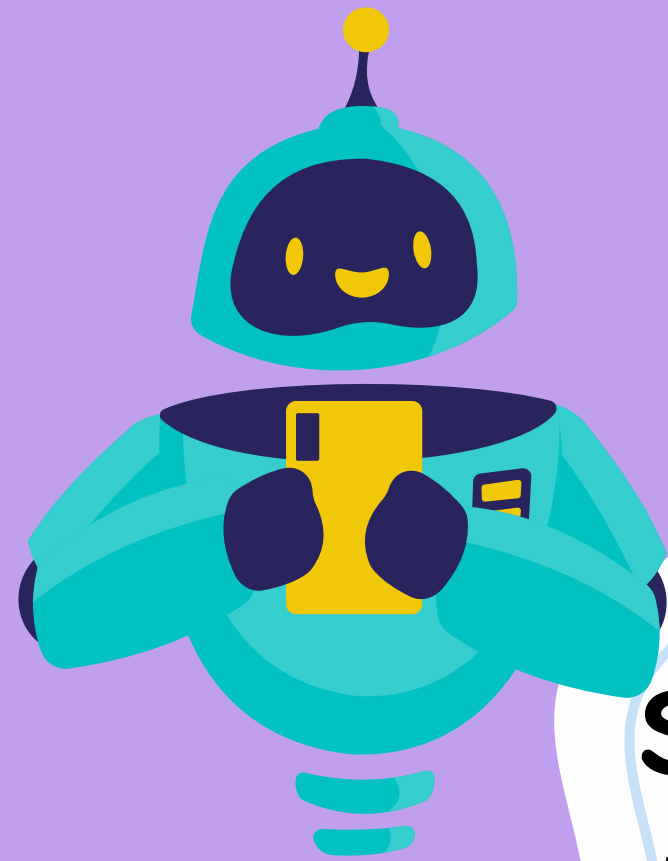
**Sensors help
robots understand
the world**





Sensors **help** robots
make desicions



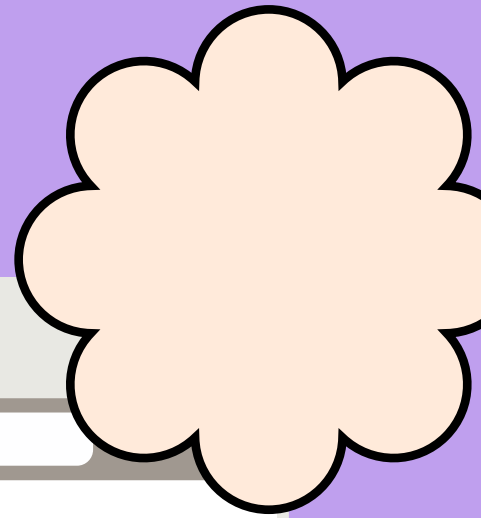
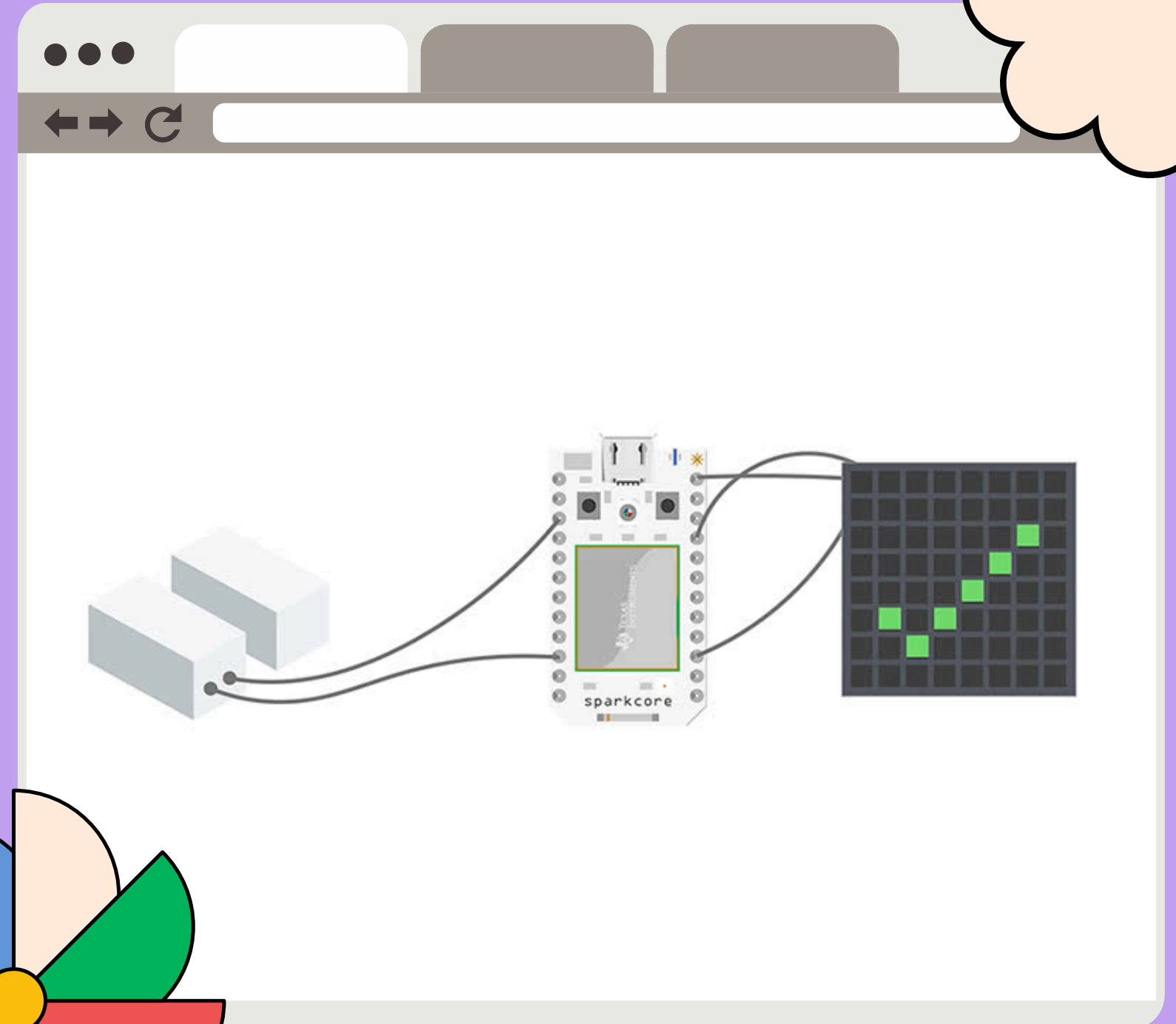
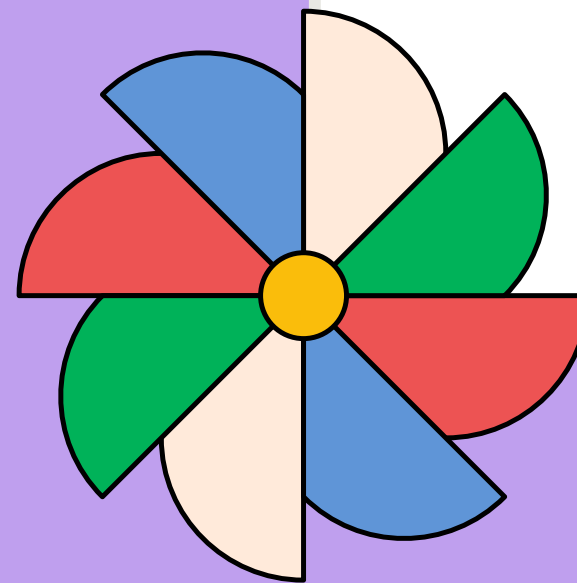


Sensors **help** robots
to **interact with the**
environment



Do you now understand sensor better?

And how can it be
relate with robot?



THANK YOU ✨ ✨ ✨ ✨

FOR WATCHING