



Pre-Mission Preparation

Your cell phone can detect if it is level or tilted. What other devices use some kind of sensor to determine their orientation?

Mission Objective #1

An accelerometer is a sensor chip that lets CodeX detect:

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What are the three axes for orientation?

Mission Objective #2

What does the data from the accelerometer look like?

What is this type of data called?

What is the code for getting the x value of the accelerometer?

Mission Objective #3

What module do you need to import to do the trig calculations?

Mission Objective #6

How do you keep the program from drawing multiple orange balls?

Post-Mission Reflection

What are some ways you can use this program?

What is one way you can extend this program, or make it do more than measure the x tilt?