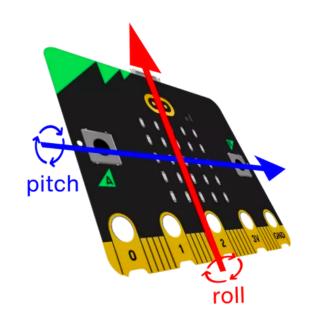
MICRO:BIT CLINOMETER

With Recycled Materials

A clinometer is a tool that is used to measure the angle of elevation, or angle from the ground, in a right – angled triangle.

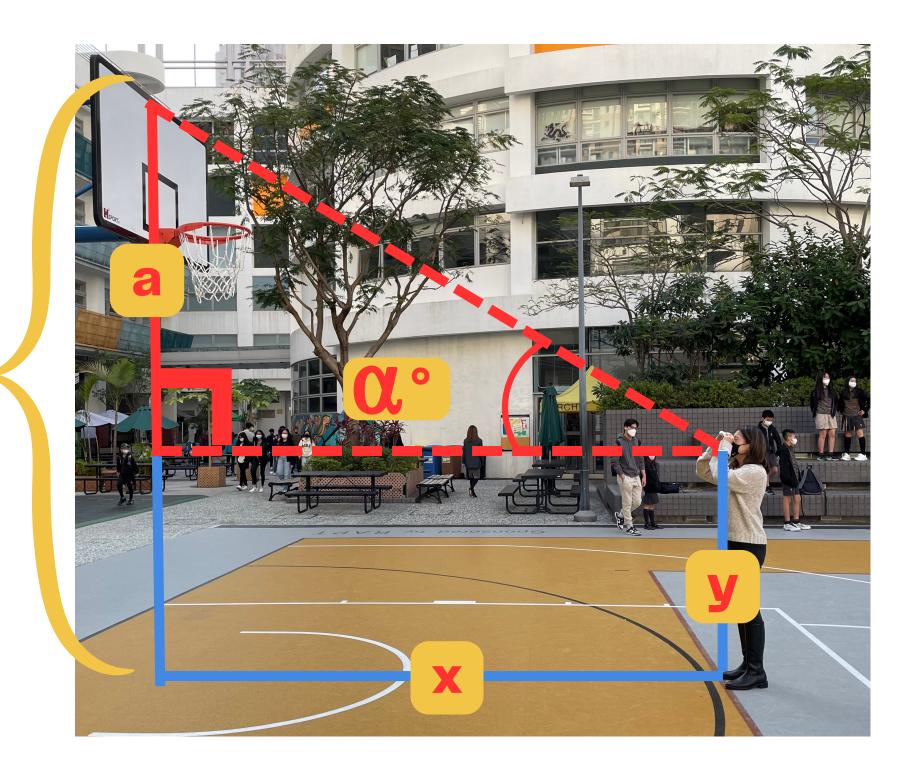
HOW IT WORKS:



The micro:bit has a part called the accelerometer that can check how the micro:bit is moving. In this project, micro:bit senses the angle of rolling and show the angle on the LED screen.

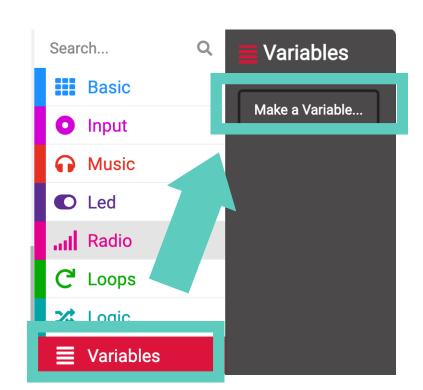
rotation (°) roll ▼







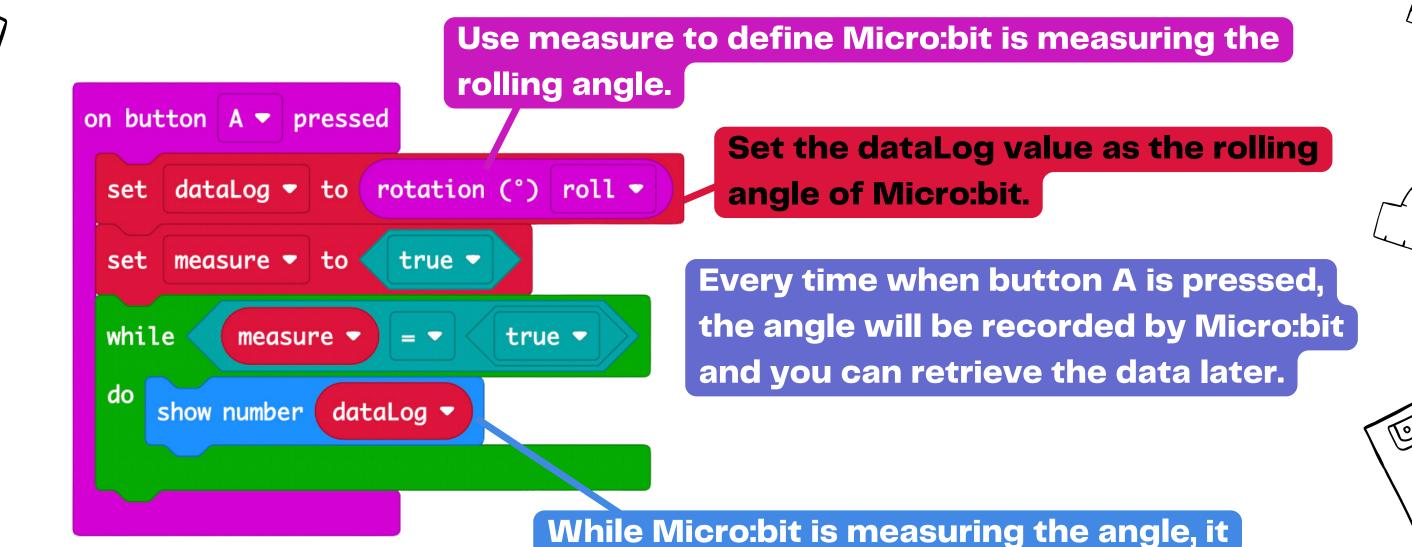
STEP 1: CODE MICRO:BIT

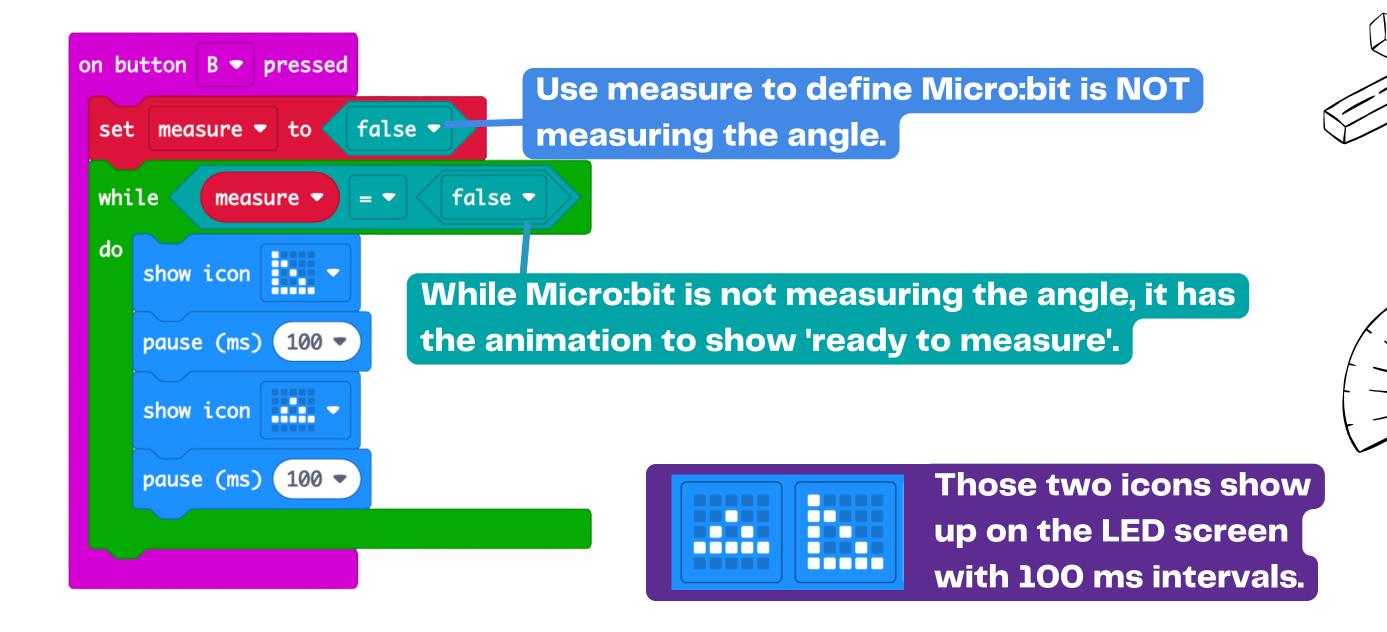


Create two variables named 'measure' and 'dataLog'.

dataLog ▼

measure ▼

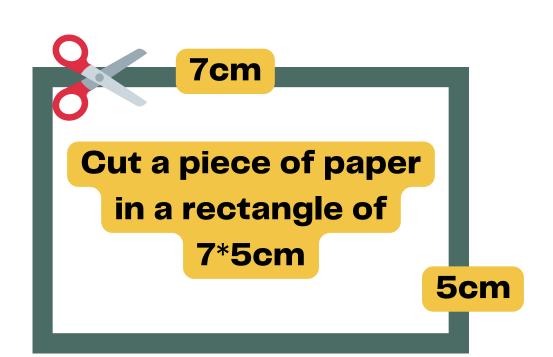


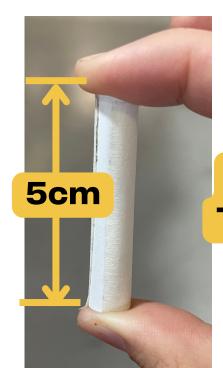


shows the number of the angle.



step 2: make a lense and assemble





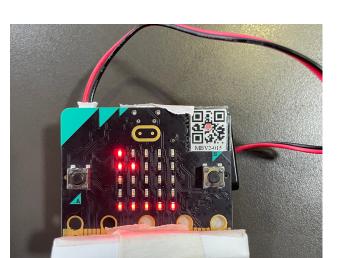
Make it a paper roll.

Tape it with masking tape.

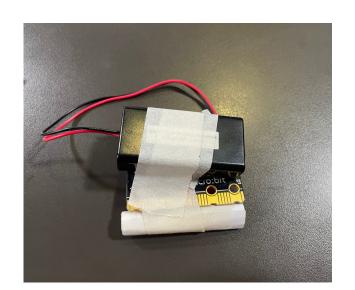
USE MASKING TAPE TO TAPE THE PAPER ROLL ON TOP OF THE PINS.

TAPE THE BATTER PACK WITH MICRO:BIT.

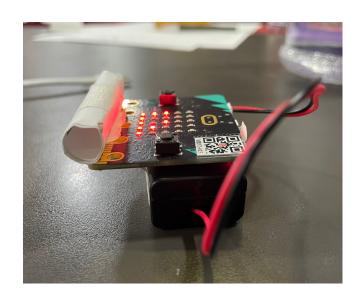
Front



Back



Side



STEP 3: RECORD YOUR DATA



GET A PENCIL AND PAPER READY, and record your measurement.

Target	X	a	Angle

y @CoraEdTech