Cubelets Blockly Build Challenge

Explore Acting blocks with Bar Graph

This worksheet is designed to support Create with Cubelets Episode 9.3.

Program Goal.

Build a program for your Bar Graph that alternates between 50% and 100% of its range for one second each.

Blocks you will use.

- wait 1000 milliseconds
- set actuator value to

Hints.

1. Actuator is a fancy term for the part of a machine that does something.
2. Cubelets block values can be any whole number between 0 and 255.
3. Remember that Cubelets are like computers and can go through instructions (commands) very, very quickly!
Explore Acting blocks with Bar Graph - Pt. 2
This worksheet is designed to support Create with Cubelets Episode 9.3.

Program Goal.

Build a program that blinks only the fifth LED light on the Bar Graph. Each blink should be half of a second on and half a second off.

Blocks you will use.

1. Remember that Cubelets are like computers and can go through instructions (commands) very, very quickly!
2. The Bar Graph Cubelet has 10 LEDs – you can set or clear any of the 10 LEDs.
3. Most programs need their blocks to be placed in the “forever do” loop.