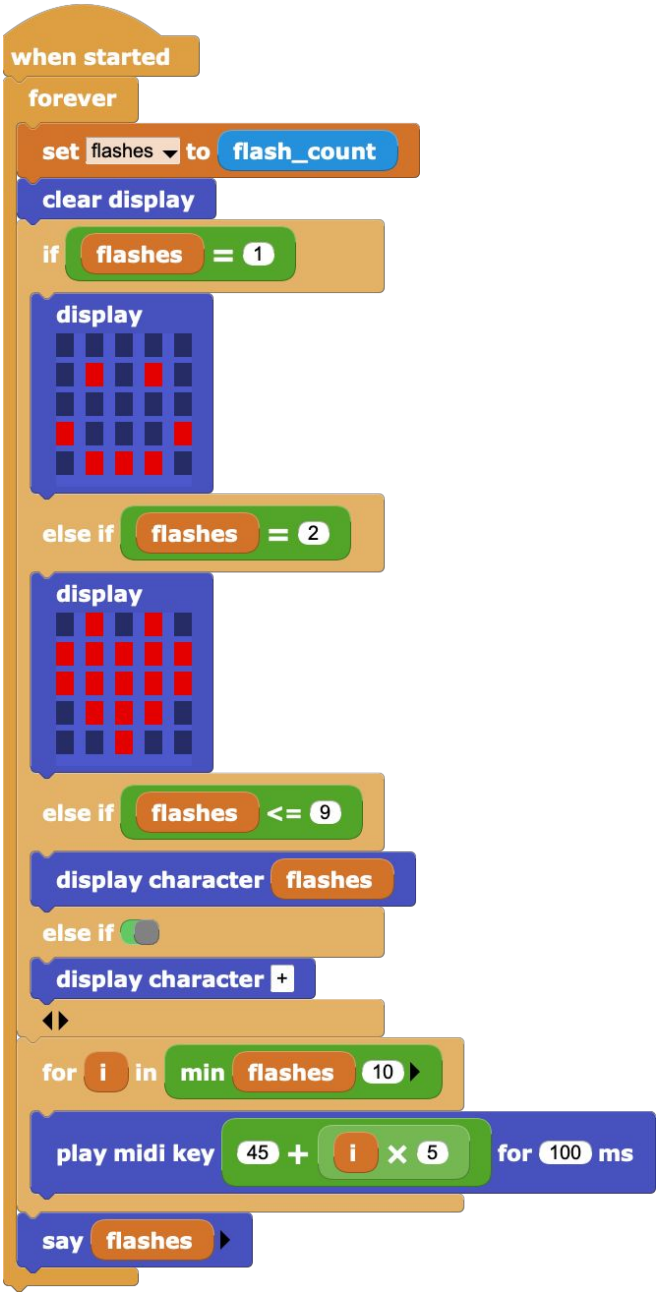
Easy Hard

1 - Remote Control via Flashlight

Libraries: Libraries + Tone LED Display Basic Sensors

To use a flashlight as a remote, sweep back and forth across the micro:bit. Based on the number of flashes, trigger different actions.



The “flash_count” reporter block detects flashes until there’s a pause greater than one second. It then returns the count to the main loop.

Challenge: Change the actions to play different tunes or do something fancier in response to your remote control commands.

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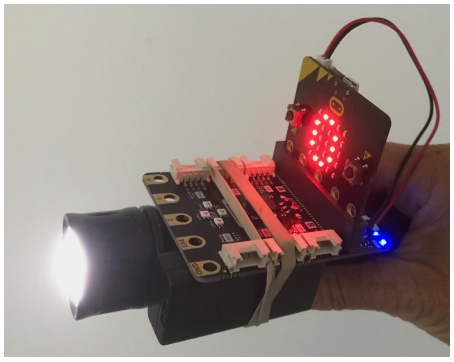
http://microblocks.fun

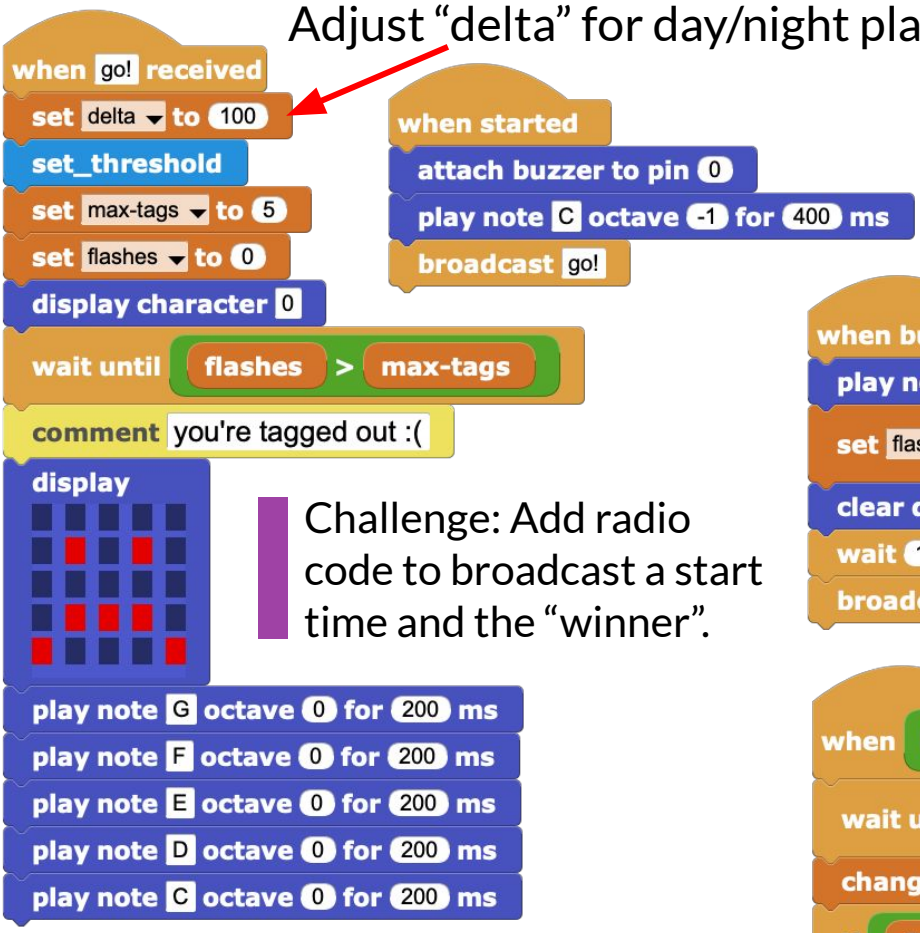
Easy ● ● ● Hard

2 - Flashlight Tag

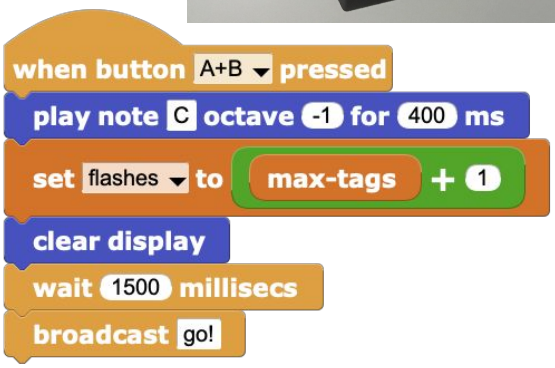
For this game, attach the micro:bit to a flashlight, with the LED display and light pointed in the same direction. Your goal is to “tag” (flash) others before getting tagged out!

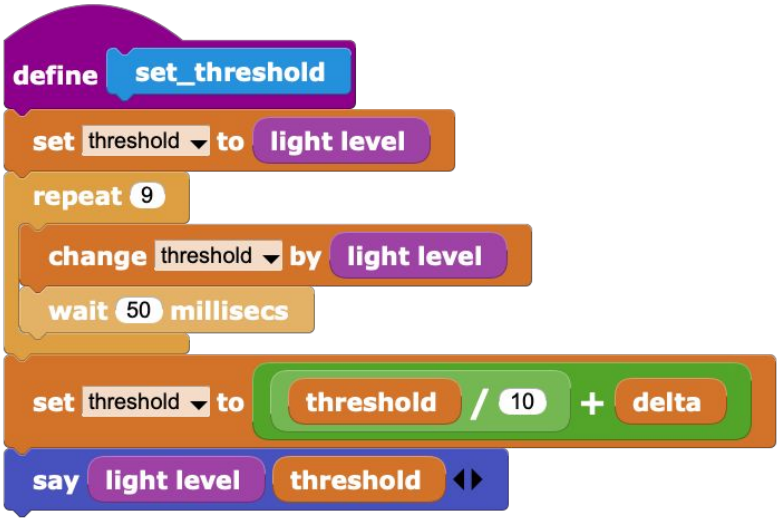


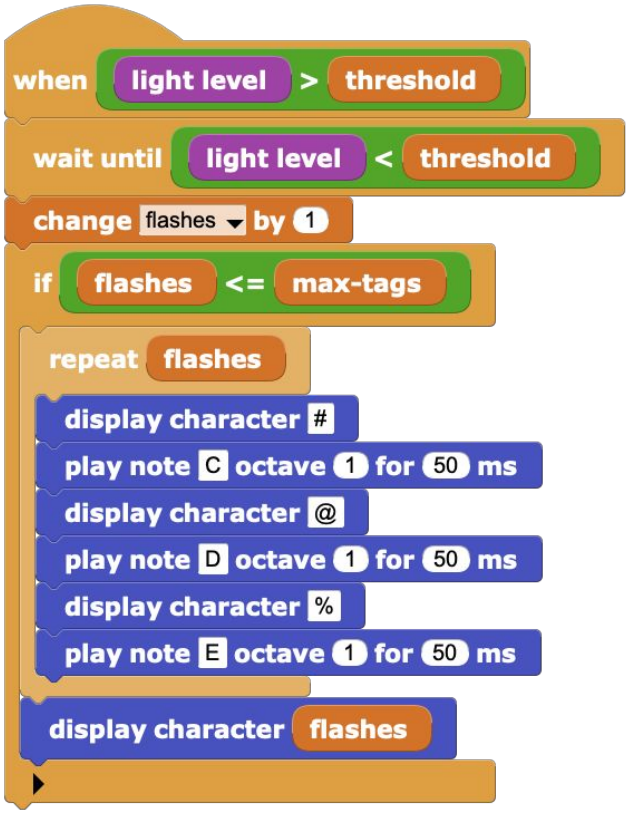
Adjust “delta” for day/night play.



Challenge: Add radio code to broadcast a start time and the “winner”.







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