Love Meter

Overview

The eighth project uses the input pins on the micro:bit to control the output of the screen.

Step by step

A step by step guide is given at https://pxt.microbit.org/projects/love-meter

.hex File

Final version of the .hex file called “08 Love Meter.hex”

POS Reference

Designs simple algorithms using loops, and selection i.e. if statements. (AL)
Uses logical reasoning to predict outcomes. (AL)
Detects and corrects errors i.e. debugging, in algorithms. (AL)
Creates programs that implement algorithms to achieve given goals. (AL)
Understands that programming bridges the gap between algorithmic solutions and computers.(AB)

I can statements

The students can:

- Read a value from the input pin and display different results.

Challenges

A number of challenges could be based upon this basic task.

- Allow the students access to real world components to build up their own circuits using the input pins. An number of examples on the micro:bit website.

Next Steps

Lesson 9 uses the radio frequency block to send and receive data between two micro:bits.