

## Program #2 – Making with Micro:bit Blink a LED

Problem statement:

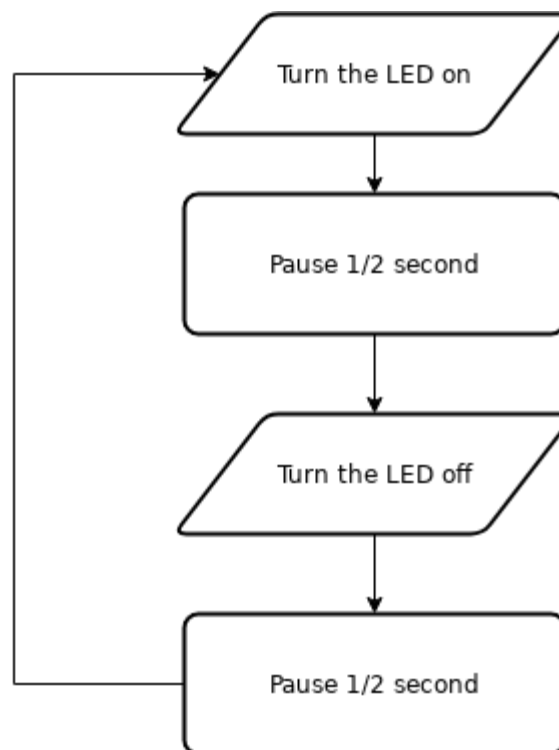
Make a circuit and create a program that will blink a LED on and off. The LED should be on for one half of a second and then off for one half of a second. The LED will blink continuously until the Micro:bit is turned off.

Program design:

We need to perform four tasks in our program based on the problem statement.

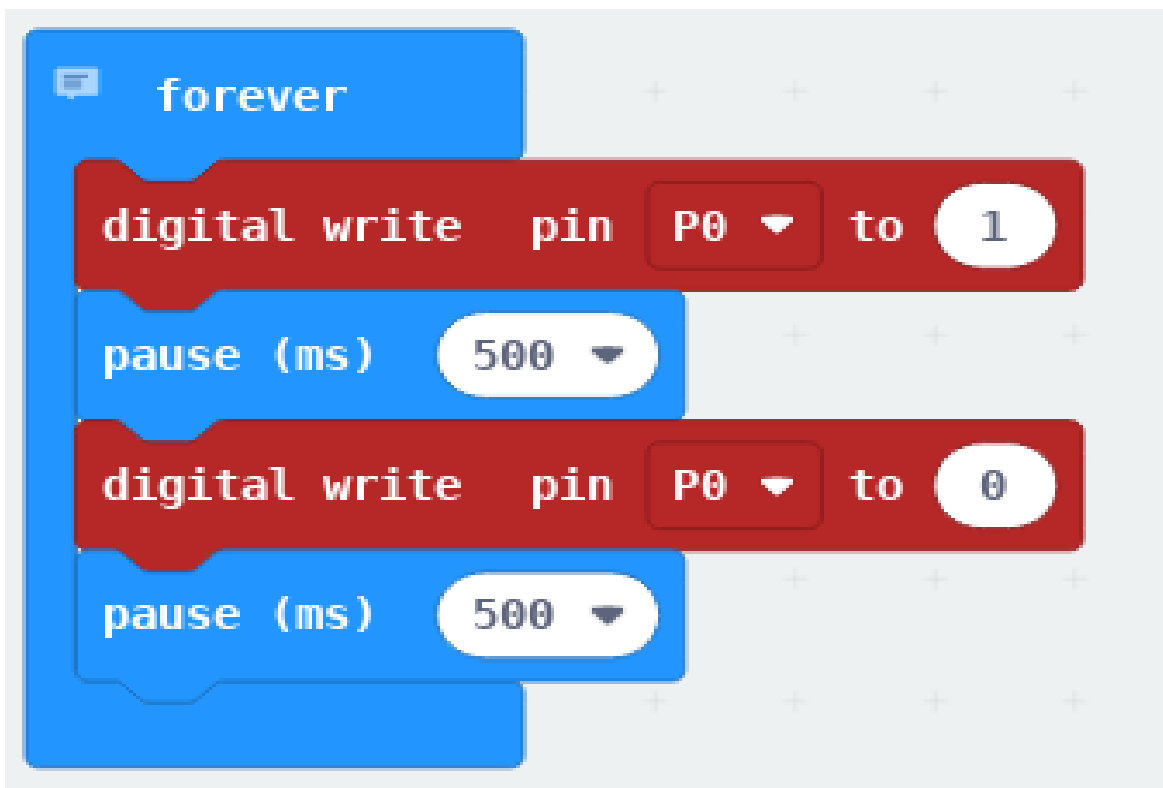
- #1 Turn the LED on
- #2 Wait one half of a second
- #3 Turn the LED off
- #4 Wait one half of a second

Here is our plan as a picture:

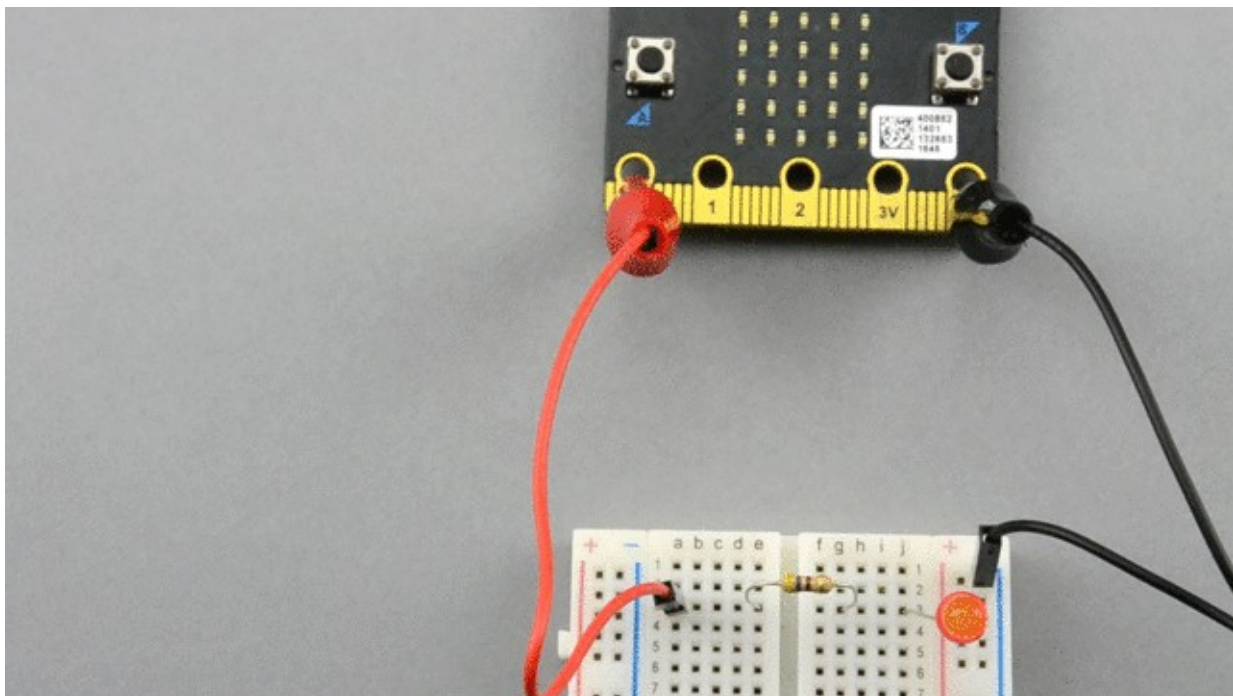


Now we are ready to turn our design into a program.

(program on next page)



Here is a picture of the circuit.



DLCS Standards

6<sup>th</sup> grade: Computational Thinker #6

7<sup>th</sup> grade: Computational Thinker #5 and #8

8<sup>th</sup> grade: Computational Thinker #2 and #3