

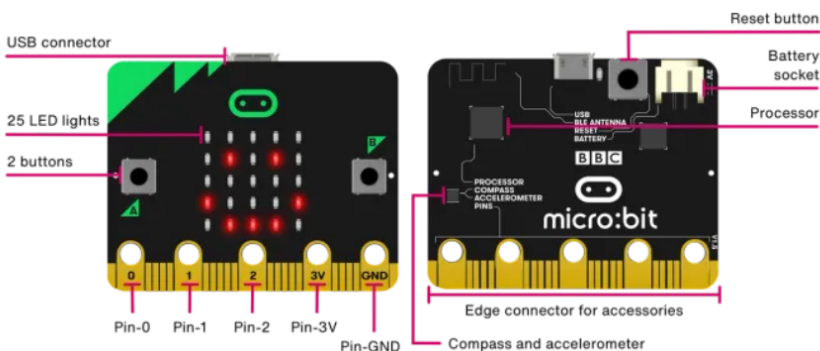
Name:

Date:

Instructions

In this activity, you will connect a Micro:bit to the MakeCode site and create a simple interactive program. You will choose one beginner tutorial project, such as a step counter, coin toss, or dice roller, then test and revise your code to make the Micro:bit respond to your inputs. Along the way, you will practice problem-solving, debugging, and learning how computers follow instructions through code!

Step 1: Review Parts of the Micro:bit



Step 2: Answer Micro:bit Questions

1. What button(s)/option(s) do you have to start a program on the Micro:bit?
2. How many LED lights are on the Micro:bit?
3. How can you use the Micro:bit without being attached to the computer?

Step 3: Add the Micro:bit to the MakeCode site (ask for help if you need).

Step 4: Review [these beginner tutorial options](#): “Step counter”, “roll a die”, “rock, paper, scissors”, “coin toss.”

Step 5: Select a design from the list in step 4, then create, test, revise, and finalize your project. Then answer the two questions below.

1. Identify the project you selected and why.

2. Add a screenshot of your completed project below.

Suggested Grading Rubric

Item		Pts Possible
Micro:bit		
Identified number of button option starts		10
Identified the number of LED's on the Micro:bit		10
Explained how to use Micro:bit without computer connection		10
<i>Group 1 Program</i>		
Identified and explained choice		10
Screenshot present		10
Completed program task		40
<i>Learning Practices and Reflection Questions</i>		
Class time was used responsibly to complete this assignment		5
Questions were answered in complete sentences.		5
Total		100