Elective Virtual Learning

6th Grade Intro to Gateways
Intro to Cryptology Through Micro:bit
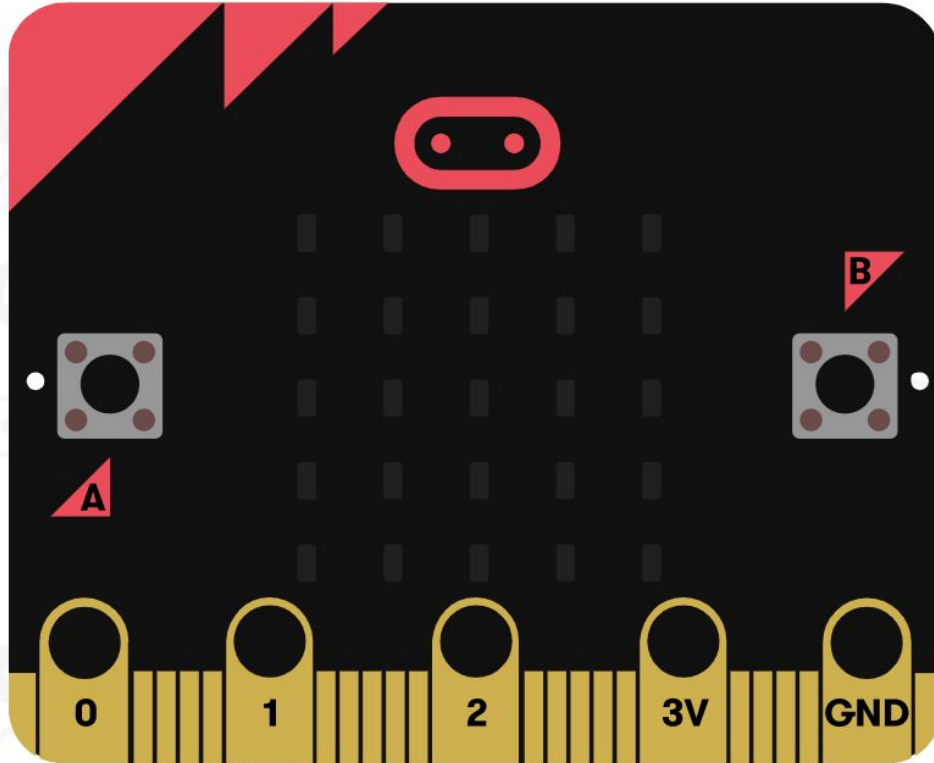May 19, 2020

7th & 8th Grade Multimedia
Lesson: May 19, 2020

Objective/Learning Target:
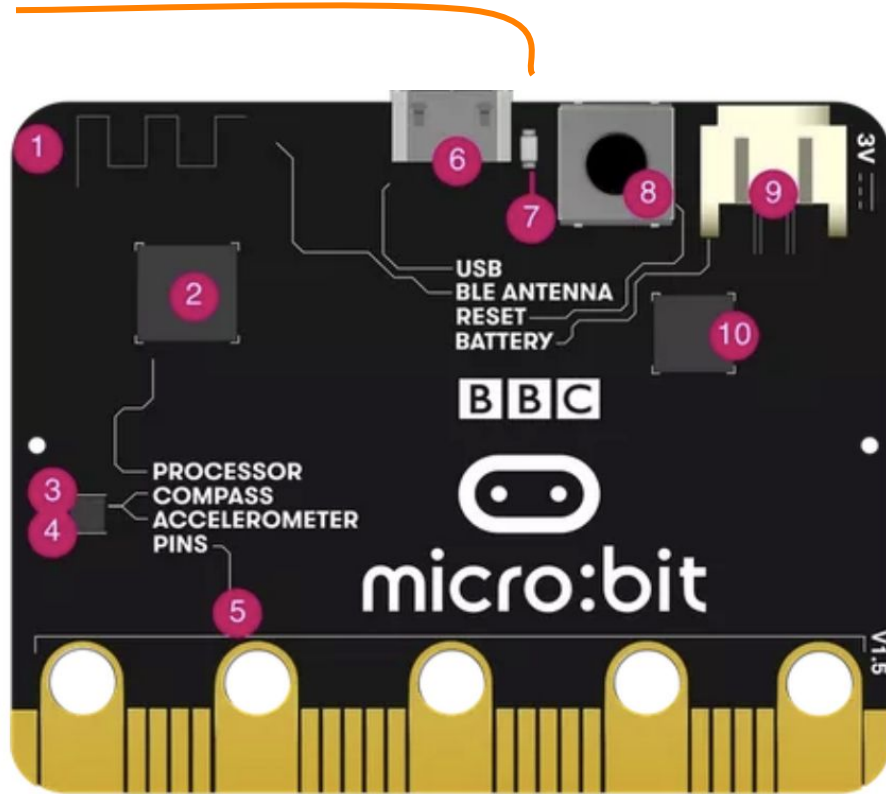## I can code a Virtual Micro:Bit

Warm-Up

Quick Draw

Draw a picture of what your code said or looked like. You can color in, circle or draw on the micro:bit below.

Lesson Introduction/Background Information:

The back of the micro:bit looks like this
It has other functions from the front.
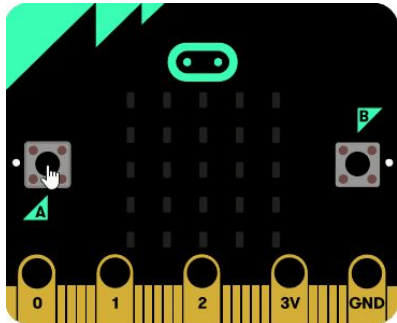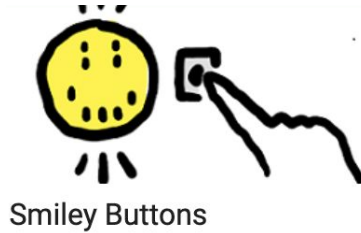Compare the number below to the
number on the micro:bit

1. Radio/Bluetooth Antenna
2. Processor/Temperature Sensor
3. Compass
4. Accelerometer
5. Pins
6. Micro USB socket
7. SIngle LED
8. Reset Button
9. Battery Socket
10. USB Interface Chip

Practice:

Today you will be creating the Code for To make your name scroll in the LED window let's get started.

1. Make sure you are in MakeCode
2. CLICK on the Smiley Buttons Image   - - - - - - - >
1. CLICK on Start Tutorial
2. Follow the 7 steps
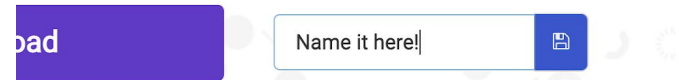3. Name & Download your code.

Smiley Buttons

Your code will look something like this!

Remember!
You can fully code this and try it out on your chromebook or device!

Instead of downloading, you can name it and it will save for the next time you want to see your project

oad   Name it here!

Continued Practice:

Show your program to a family member and use their name or message in the code.

Self-Assessment:

- ❏ What did you create? Share it with someone in your house
- ❏ Feel free to download and share the code with me and I will send you a video of it in action on the physical micro:bit

Email your teacher if you have questions

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lisa_douthit@isdschools.org