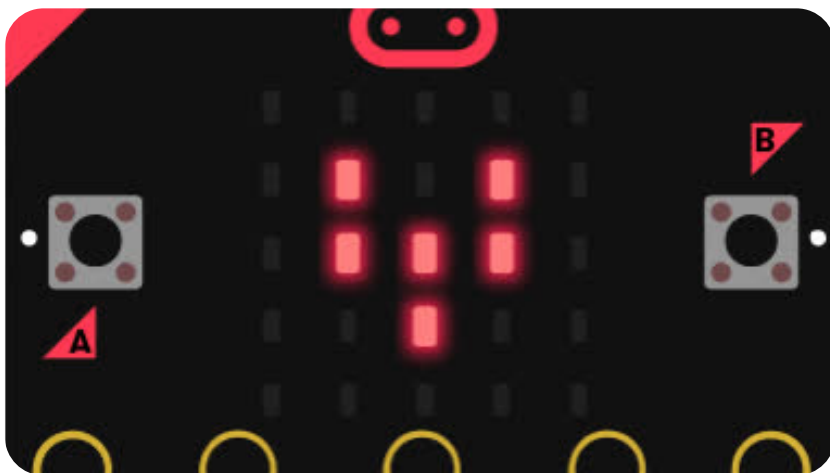


# Do Space Summer 2021

## KID CODERS: CODING A MICRO:BIT



### INTRODUCTION

Micro:bits are pocket-sized codable computers that let you get creative with digital technology. You can customize and use them for exciting creations.

Using Microsoft's MakeCode Editor, we would introduce ourselves to programming concepts like loops by getting creative with color-coded blocks to display images and play games on our Micro:bits.

### WHAT YOU'LL NEED:

- 1 Micro:Bit
- 1 micro USB Cable
- 1 MAC/ PC Laptop



### CLASS ACTIVITIES

- Introduction to Micro:Bits and the Make Code environment.
- A walk-through of the "Beating heart" tutorial.
- Other tutorial recommendations and opportunities for the students to try out their own ideas.
- [makecode.microbit.org](https://makecode.microbit.org)

### Subjects:

- Block Coding
- LED
- Programming

### Standards:

- 3C
- 4A
- 5D
- 6B

[iste.org/standards/for-students](https://iste.org/standards/for-students)

### Maker

### Capacities:

- Tinker to Explore
- Finding Opportunities

[agencybydesign.org](https://agencybydesign.org)

### Key Terms

- LED
- Micro:Bit
- Block Coding
- Microsoft MakeCode



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