Code Jumper, coding and O&M:

Headed in the same direction

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Learning Objectives

- The participant will:
    - Differentiate the components of Code Jumper.
    - Compare the parallels between coding and O&M skills.
    - Learn how to incorporate coding into O&M lessons.

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Challenges

- There's not enough time in the classroom to incorporate coding in addition to all the other skills students need to succeed in school and in life.
- Most classroom teachers do not have sufficient experience with coding to feel comfortable and confident introducing computer science skills to their students.
- Teachers need new and novel ways to engage their students in the Expanded Core Curriculum.
- Students may not see their own future career potential in computer science.

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Code Jumper

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Senior Manager, Accessibility, i2e
Teacher of Students with Visual Impairments
@teacherinthebox

Julie Hapeman
Certified Orientation & Mobility Specialist

~~Computer science is vocational~~

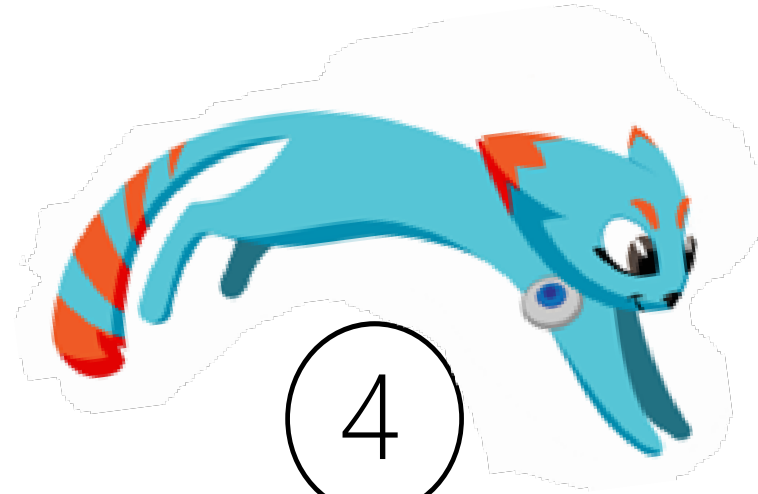**Computer science is foundational**

Coding and Code Jumper

1 — New to me

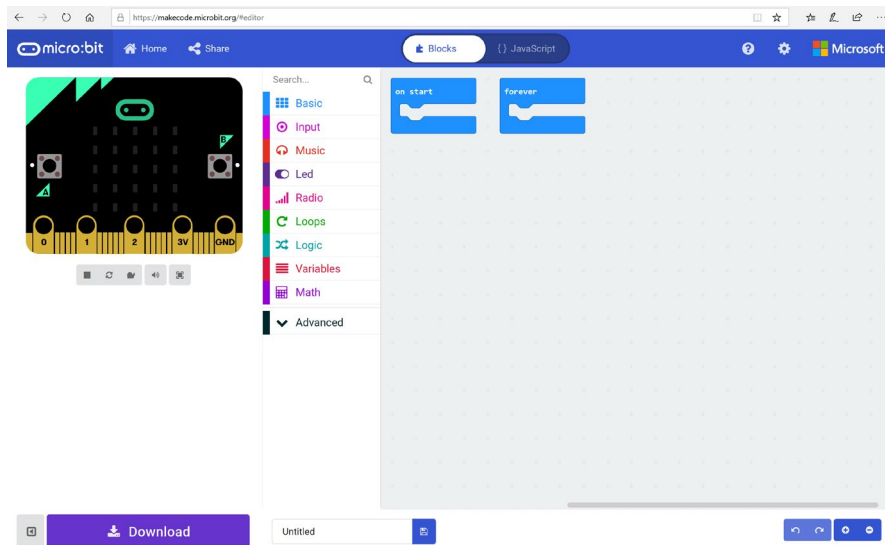2 — I have seen this before
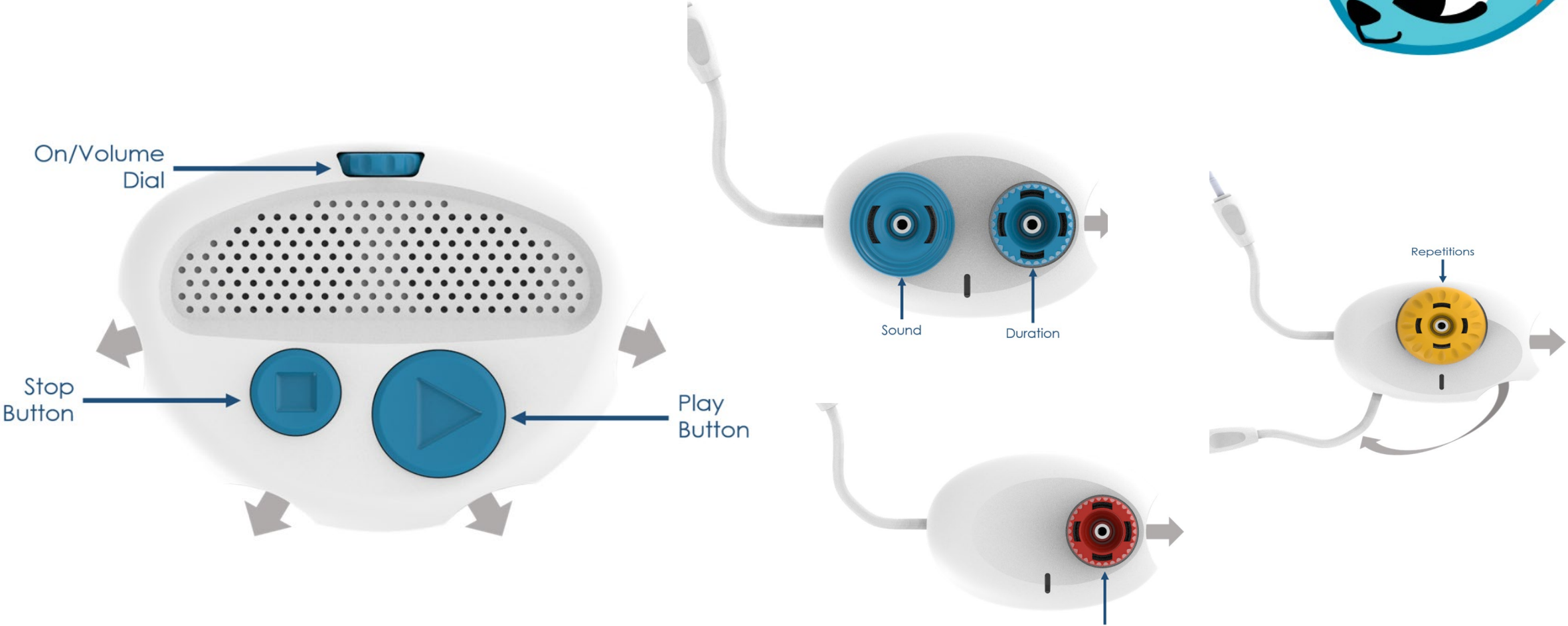
3 — I have used this before

4 — I am proficient in this

5 — I am an expert in this

What is Code Jumper and why is it so Important?

Basics of Code Jumper

On/Volume Dial

Stop Button

Play Button

Sound   Duration

Repetitions

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Intersection of Computer Science and O&M

"Computational thinking is the thought processes that one uses to formulate a problem and to express its solution in such a way that a computer (human or machine) can effectively carry out."

- Jeannette Wing

CJ Puzzles

Clue #1: The map says to take half of a dozen steps; how many steps is this?

Clue #2: The next task is to spin around the same number of times as fingers you have on one hand; how many times do you need to spin around?

Clue #3: The map tells you to gather wheels for a cart to carry the treasure in. How many wheels would you need?

Clue #4: The next step on the treasure map tells you to roll the cart forward not 8 feet forward, not 6 feel forward, but the number you would find in between. How many feet do you roll the cart?

Orientation and Mobility

Bus Routes

Sequencing

Mapping

Organization

Collaboration

Coding a new route in school

- Walking the route

- Building it in Code Jumper

Student work

- Walking the route

- Building it in Code Jumper

Build a Route in Code Jumper

Poll Questions

On a scale of 1-5, has this webinar sparked ideas on how to combine other academic and ECC subjects with O+M?
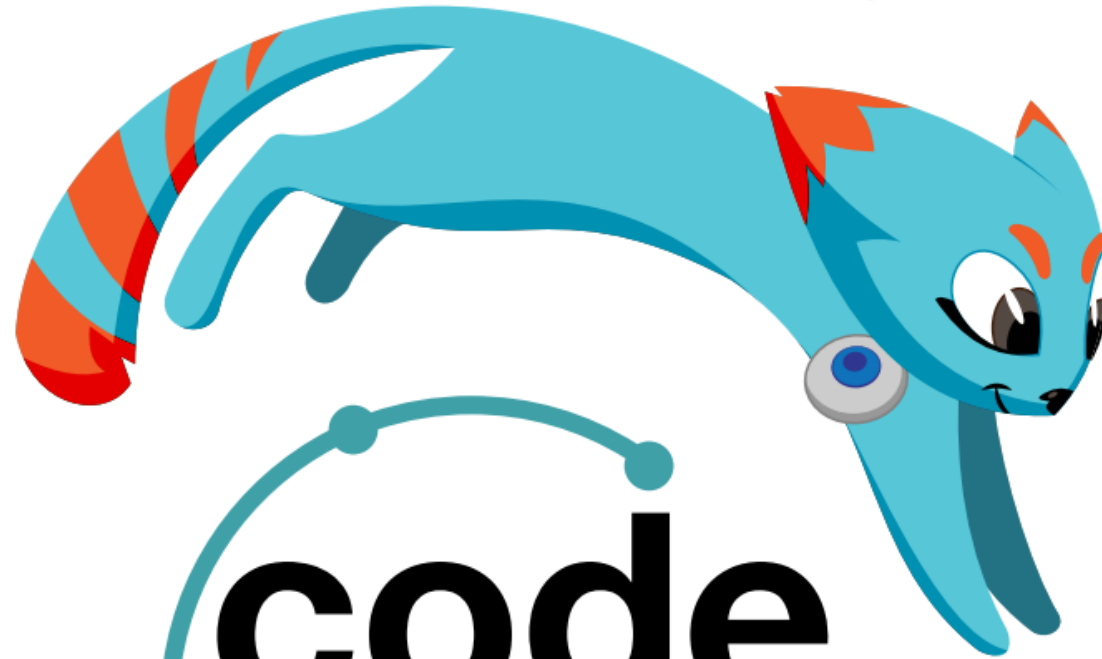
1

2

3

4

5

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code
jumper

www.codejumper.com

Discoveries

- Coding and Computer Science principles are woven into all common core subjects and the Expanded Core Curriculum.

- Code Jumper enables students to learn computer science alongside other core subjects.

- All students can benefit from Code Jumper; it's an inclusive coding tool that can engage all kinds of learners.

- Engaging in computer science goes beyond coding; puzzles and hands-on route planning enforce key concepts.

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Code Jumper

Quota: $769.00

Non-Quota: $999.00