Access Academy

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Yes I Can!

Tap into your student's passion through Coding and ECC

Robin Lowell

i2e

Accessibility Advocate

Beth Dudycha

i2e

Senior Manager of Content Development

Learning Objectives

- The participant will:
  - Discuss computer science education for younger students.
  - Learn new ways to engage with Code Jumper using the puzzles.
  - Explore how Code Jumper can engage students with the Expanded Core Curriculum in new and novel ways.
  - Understand the importance of all students learning about computer science careers.

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Challenges

- Most classroom teachers do not have sufficient experience with coding to feel comfortable and confident introducing computer science skills to their students.
- Some teachers may be working with one student at a time and require more independent learning activities in coding.
- 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

Robin Lowell M.A.
Senior Manager, Accessibility, i2e
Teacher of Students with Visual Impairments
@teacherinthebox

Beth Dudycha, M.Ed.
Senior Manager, Content Development, i2e
@bethdudycha

~~Computer science is vocational~~

Computer science is foundational

Thinking like a computer scientist

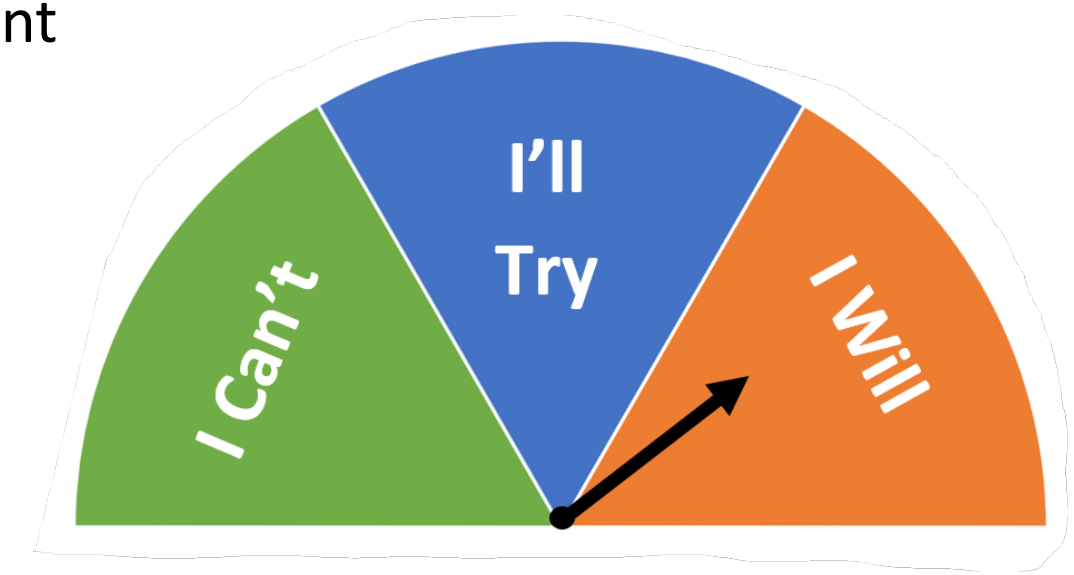
"Computational thinking is the thought processes that one uses to formulate a problem and to express its solution in such a way that a computer (human or machine) can effectively carry out."

- Jeannette Wing

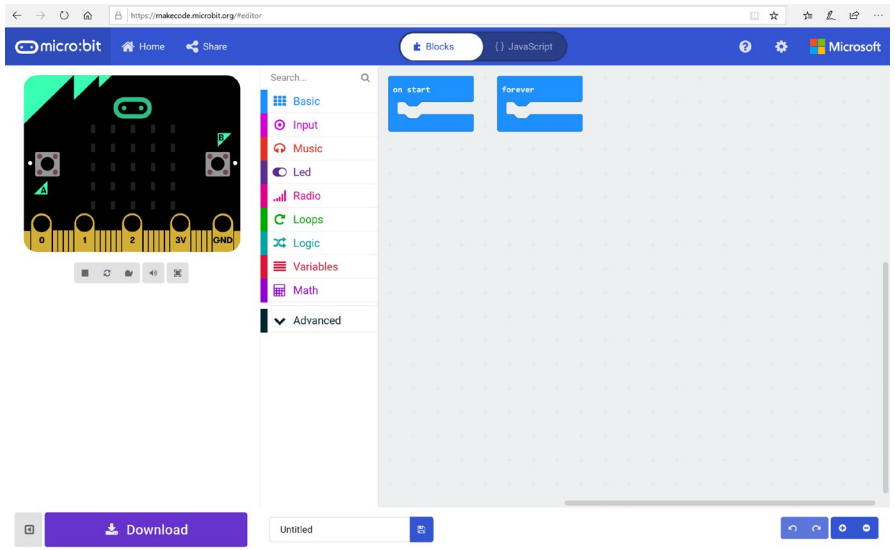
Yes I can!

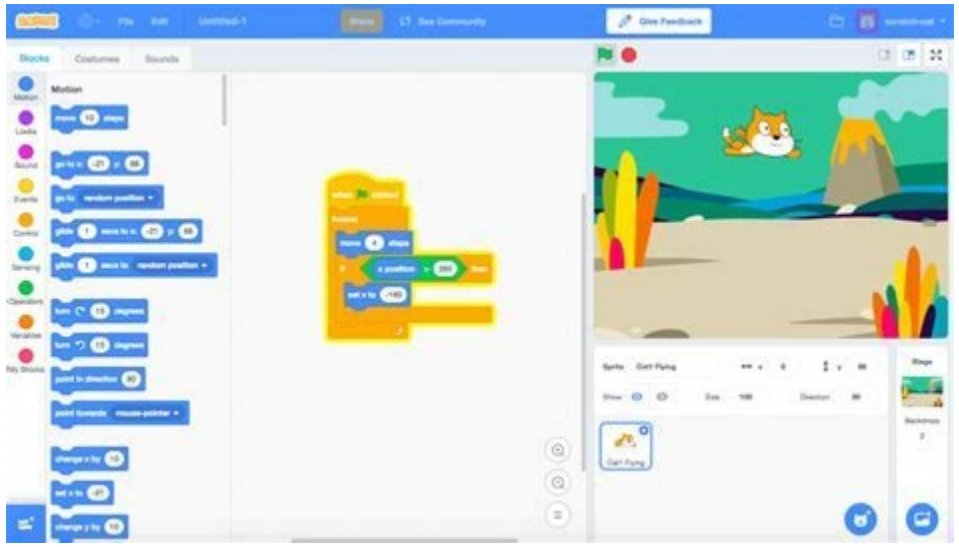
Metacognitive Thinking: Thinking about your own abilities

- Creating a mindset in the younger grades
- Engaging in activities that create excitement
- Seeing themselves as computer scientists



What is out there for beginning coding?





micro:bit

SCRATCH

Let’s puzzle this out!

- Puzzle 1 and CS concepts
- Puzzle 2
- Puzzle 3
- Puzzle 4
- Puzzle 5
- Puzzle 6
- Puzzle 7
- Puzzle 8

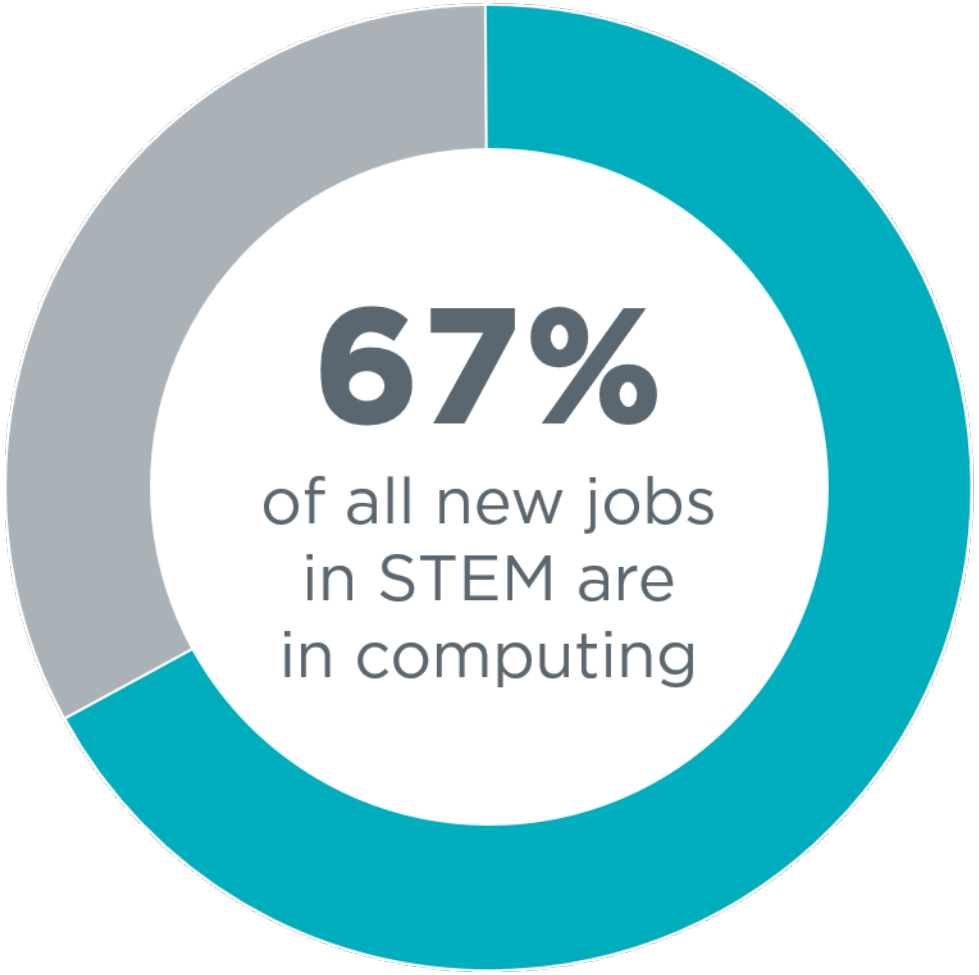
The 9 areas of the Expanded Core Curriculum

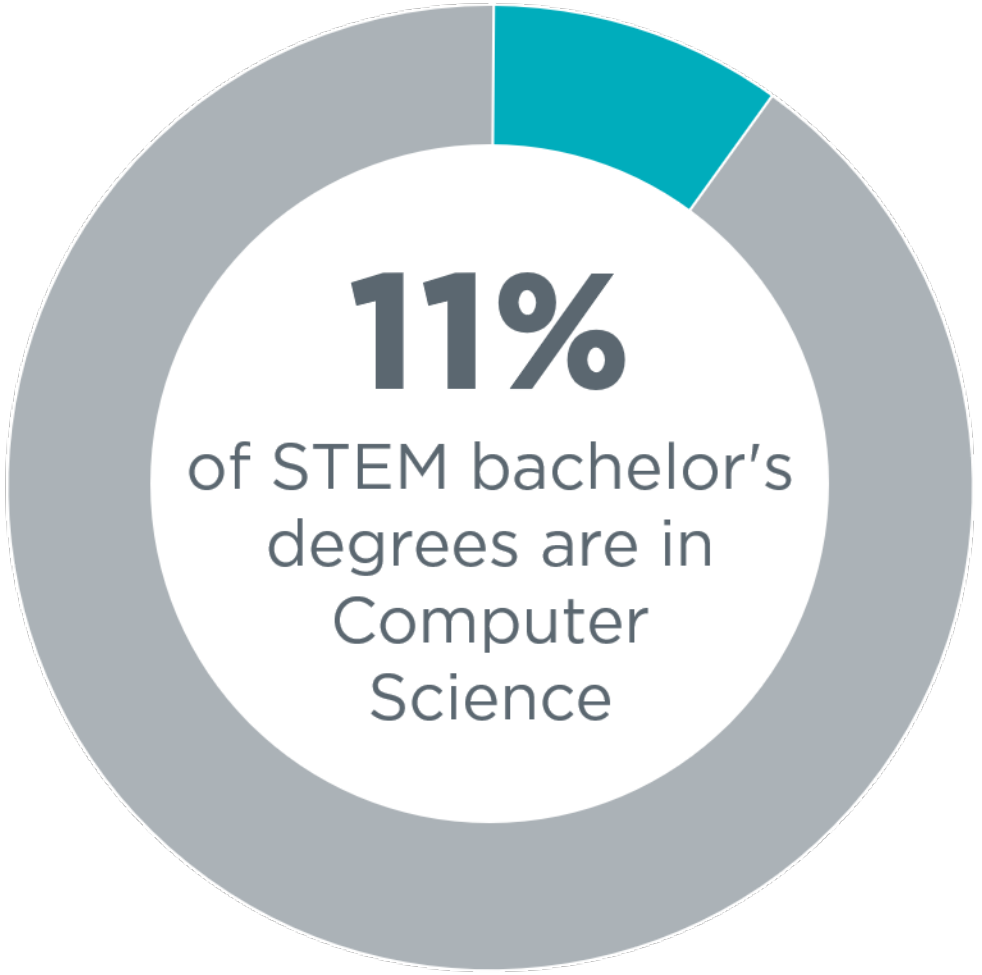
- Assistive Technology
- Careers
- Compensatory skills
- Independent Living
- Orientation and Mobility
- Recreation and Leisure
- Self-determination
- Sensory efficiency
- Social interaction

Code Jumper and the ECC

- O&M: Bus skills
- Compensatory: Organization
- Assistive Technology: CJ is AT!
- Independent Living Skills: routines, sequencing

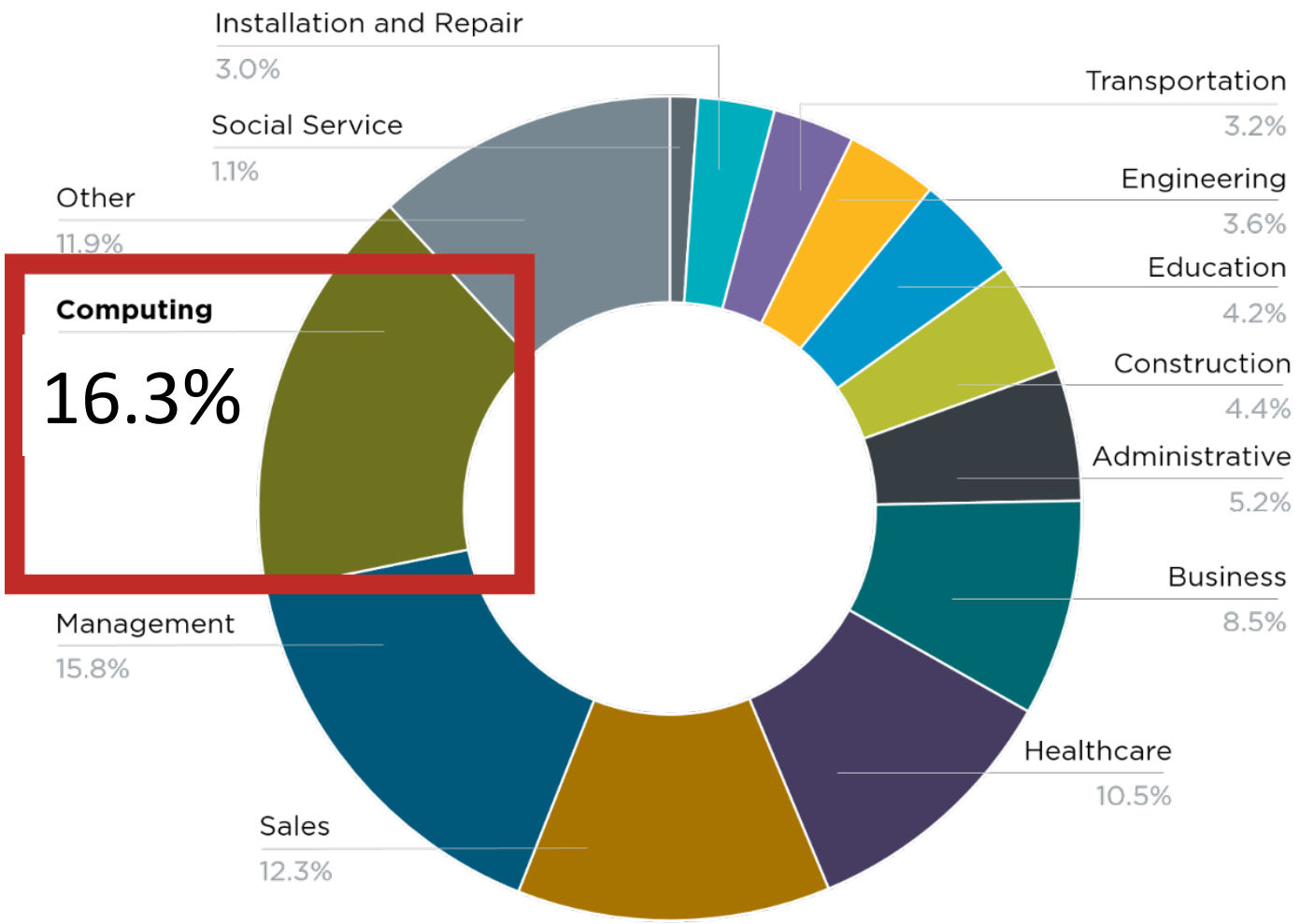
Careers – where are the jobs?





Sources: Bureau of Labor Statistics, National Center for Education Statistics

Computing jobs are the #1 source of new wages in the United States



500,000 current openings:
These jobs are in **every** industry and **every** state, and they're projected to grow at twice the rate of all other jobs.

Yes I can!

Metacognitive Thinking: Thinking about your own abilities

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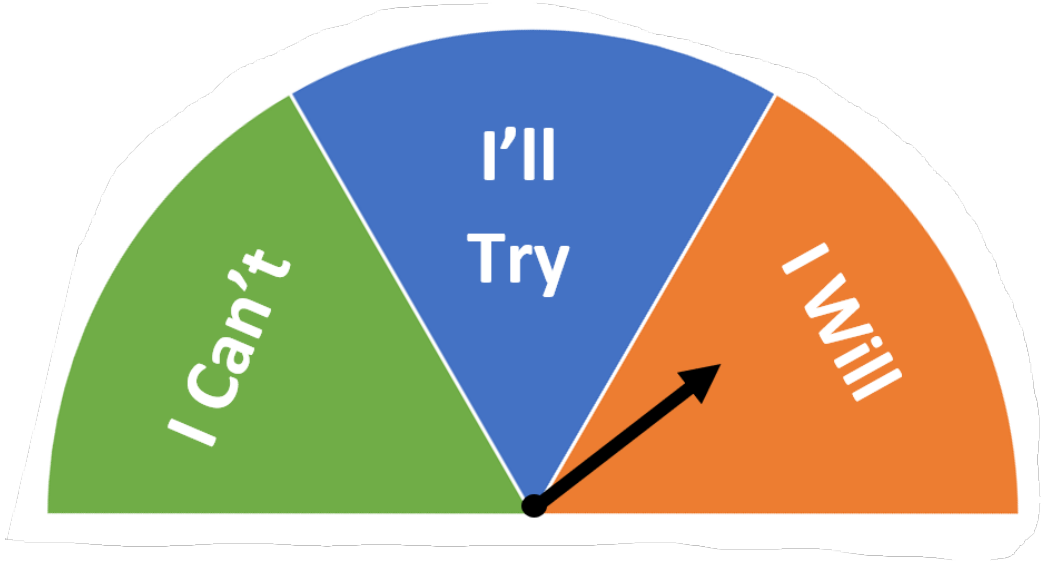
Experience

- Create excitement
- I can do this



Discoveries

- 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.
- The earlier you begin discussing career opportunities with your students, the more students understand what's available to them.
- Engaging in computer science goes beyond coding; puzzles, reflection, and unplugged activities enforce key concepts.

Code Jumper

Quota: $769.00

Non-Quota: $999.00

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