

## Computer science is foundational.



This is especially true of coding and other highly technical, language- and math-focused types of computing. The earlier students can start coding, the better prepared they'll be for the future.

Making sure students have equitable access to computer science education means that the next generation will have the critical thinking skills to solve complex problems with new, innovative solutions.

## Coding in middle school helps students build 21st century skills.<sup>2</sup>

Students who learn coding early gain valuable experience using the 4 Cs of 21st century skills. These skills help every student—whether they pursue a career in STEM or not—get prepared for the future.



**Critical Thinking**



**Creativity**



**Collaboration**

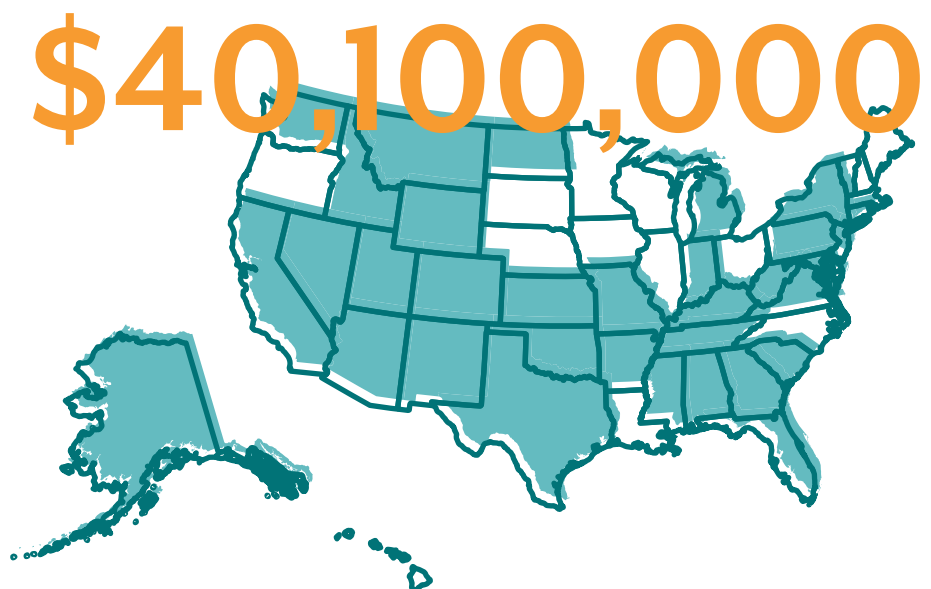


**Communication**

# 4 Cs

## 33 states, \$40.1 million dollars<sup>3</sup>

Since the beginning of 2019, 33 states have funded \$40.1 million to expand and diversify computer science in K–12 education.



## 90% of parents want their child to study some form of computer science.<sup>4</sup>

Parents recognize the necessity of coding in their child's schooling. Parents are increasingly pushing schools to add computer science to the curriculum.



## 10% of STEM graduates have degrees in computing.<sup>5</sup>

Despite the amount of jobs that demand specialties in coding and other forms of computer science, there's an ever-growing demand for coders, developers, and other computing specialists.

# 500,000

**current open computing jobs<sup>6</sup>**

Even now, there aren't enough people to fill the job openings that require coding and other computing skills. These jobs span every industry, and are needed in every state.

## 58% of all new jobs in STEM involve computer science.<sup>7</sup>

The world needs coders. Right now, the majority of jobs in a diverse array of fields require computational skills.