COMPUTER SCIENCE PROFESSIONAL DEVELOPMENT

March 2020

WHY IS COMPUTER SCIENCE IMPORTANT?

- Computer science drives job growth and innovation throughout our economy and society.
- Computer occupations are the number 1 source of all new wages in the U.S. and make up over half of all projected new jobs in STEM, making computer science one of the most in-demand credentials and degrees.
- Students who learn computer science in high school are 6 times more likely to major in it.

WHY IS TEACHER PROFESSIONAL DEVELOPMENT IMPORTANT?

- If teachers do not understand computer science is, they cannot teach it.
- While 93% of parents want their child's school to teach computer science, only 45% of U.S. high schools teach any computer science courses and only 10 percent of STEM graduates study it. There are a lack of computer science teachers.
- Professional development for teachers will expand capacity, and as a result, access to computer science courses.
- Over 90% of teachers who take computer science professional development recommend it to other teachers.

STATE COMPARISONS

- Neighboring states Indiana appropriated $6 million between FY 2019 and 2020 and Pennsylvania appropriated $40 million between FY 2019 and 2020.
- New Jersey, with a similar population, allocated $4 million between FY 2019 and 2020.
- Based on Code.Org's funding calculators which assumes one teacher for every elementary, middle, and high school, Michigan should fund computer science professional development at $8,952,350.

OUR CONTACT INFORMATION

ExcelinEd in Action

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