Computer Science Fundamentals: Kindergarten-5th

The Michigan Math Science Centers Network and Code.org are bringing professional learning to educators to implement Computer Science Fundamentals to elementary educators.

Professional Learning Program Benefits

Professional Learning for Teachers:
Computer Science Fundamentals was built with elementary school educators in mind. The courses have been specifically tailored to students in Kindergarten-5th grade, with no prior experience assumed.

No Prior CS Experience Needed:
The lessons in CS Fundamentals are presented with the understanding that many teachers will not have any previous computer science training, and educators are therefore encouraged to learn along with their students.

Curriculum Resources:
The curriculum supports teachers new to the discipline with daily lesson plans made up of inquiry-based activities, videos, assessments, and computing tools that empower students to discover core computing concepts.

Course Structure:
The courses are roughly aligned to each year of elementary school, allowing for the most robust content along the entire elementary pipeline. The core content of these courses range from approximately 12 lessons in the early grades to nearly 20 lessons in the upper grades.

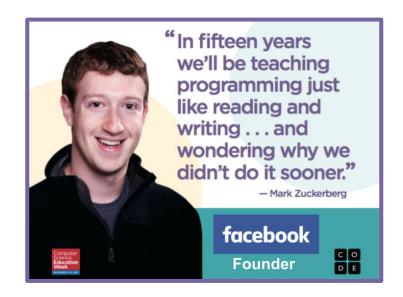| Problem-Solving	Persistence	Creativity	Collaboration	Communication

Developing Skills

Students in CS Fundamentals work in a wide array of contexts, but these experiences are tied together by a core set of practices they develop throughout the course. These student practices provide coherence and serve as helpful reminders of the high-level skills and dispositions they should be continually developing.

This Opportunity Provides:
- Curriculum Materials
- Lunch
- SCECH
- Online Resources
- Code.org Swag Bag

No Registration Fees

"In fifteen years we'll be teaching programming just like reading and writing . . . and wondering why we didn't do it sooner."

— Mark Zuckerberg

facebook
Founder

Professional Learning Details For Fall, 2018

Funding for these workshops are supported by Code.org and the West Central STEM Region

Date	Location	Date	Location
November 7, 2018	**Ionia ISD** **2191 Harwood Road** **Ionia, MI 48846**	*December 8, 2018*	**1 Campus Drive** **Kirkhof Center 2216** **Allendale, MI 49401**
November 13, 2018	**Wayne RESA** **33500 Van Born Road** **Wayne, MI**	*January 14, 2019*	**U of M Dearborn** **College of Education, Health, and Human Services** **Fairlane Center South,** **19000 Hubbard Dr. Dearborn, MI 48126**
November 29, 2018	**TBAISD Career Tech Center** **880 Parsons Road** **Traverse City, MI**		

We welcome elementary teachers to sign up for a free, high-quality professional development workshop from an experienced computer science facilitator. No prior experience needed to attend this workshop.

All sessions run 8:30am - 3:30pm

For Registration Information
code.org/professional-development-workshops