

2021-2022 IMPACT REPORT



Mission and vision

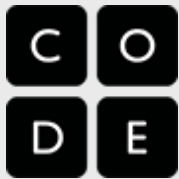
Be the catalyst for equitable access and engagement in authentic STEM experiences in every community in Michigan, especially underserved communities and populations.

Michigan is home to a generation of innovators who create more inclusive and prosperous businesses and communities.



A confidence-boosting STEM summer camp where kids build creative inventions

- Provided kits and instruction for twenty K-6 students to experience a full week of Camp Invention Summer Camp in a Region 6 district



Professional learning and curricular resources for Computer Science

- Five Region 6 teachers attended CS Fundamentals Workshops (K-5)
- Six Region 6 teachers attended CS Discoveries (6-10)
- Two Region 6 teachers attended CS Principles (11-12)
- Three Region 6 teachers attended AP CS A



Data Science Pilot

- Four day professional learning series designed to help integrate mathematics and computer science using module-based math lessons that capitalize on the modern digital tools computer science uses.
- One math consultant from Region 6 attended



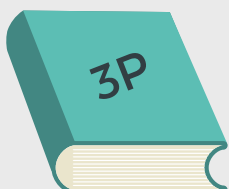
Place-Based Education Hub

- Piloted a PBE integration for 8th grade Mi-STAR unit with five Region 6 teachers
- Summer Institute served twenty-eight Region 6 teachers and two pre-service teachers from UM Flint



A professional learning to support elementary student math proficiency

- Twenty-four Region 6 teachers attended an AVMR1 course in Fall 2021
- Eight Region 6 teachers attended a Fractions course in Winter 2022
- One new Region 6 Champion trained in Summer 2022
- Seven Region 6 teachers attended state-level Math Action Area MR courses
- Ten summer 2022 workshops served 104 teachers



3P (Problem, Place, Project-based learning) Pilot Grants

- Three Region 6 entities granted awards from state and region between \$10,000 and \$15,000 to implement community-centered 3P learning initiatives. 1,270 students and thirty-two teachers will be impacted across the region

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Middle School science curriculum aligned with NGSS

- Ninety-three Region 6 subscriptions supported in 2021-2022
- Development of a resource hub to support teachers find community partners
- Two workshops held to support teachers engage community partners
- Forty-five community partners engaged with classrooms
- Supported the development of professional learning based on needs from Region 6 educators: NGSS Toolkit sessions, Career Exploration Resources, Global Campus courses



- Hosted a workshop for seven Region 6 counselors around "Exploring STEM Careers" provided by National Alliance for Partnerships in Equity



- Stipends provided for fifteen Region 6 teachers to attend NGSS trainings
- Supported the development of a NGSS-focused PD for informal educators at partner out-of-school time sites



Elementary science resource and professional learning focused on integrating science and reading through children's literature

- Hosted a Picture Perfect Science workshop for twenty-five educators across the state, including twelve Region 6 teachers and consultants.



Science, Oral Language, and Literacy Development from the **Start** of School offers PD and curricula for K-2 teachers that integrates science and literacy

- Eight Region 6 teachers attended state-level Science and Engineering Action Area workshops in Summer 2022
- MiSTEM brought in two SOLID Start researchers to discuss science / literacy integration to fifteen Region 6 Literacy Coaches



Summer Career Camps

- Supported Vet Science camp at Lapeer ISD
- Supported the development of Watershed Warriors - 3P water quality testing camp at Genesee ISD with partners at Flint River Watershed Coalition



Online Summer STEM Camps offered foundational introduction to concepts to boost confidence and interest in STEM subjects

- Six Region 6 students attended Calc Camp
- Five Region 6 students attended Statistics Camp
- Five Region 6 students attended Electrical wiring



Launched 3P STEM Star Awards for Region 6 educators

- Seven educators (K-12, CTE, robotics coaches) each awarded \$500 for STEM materials after being nominated for exemplifying 3P education