

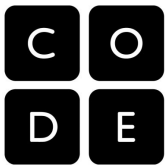
# The Wayne Regional STEM Network 2022-23 Impact Report



Wayne Region



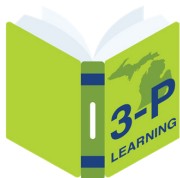
Camp Invention®



Code.org®  
Regional  
Partner



Modeling  
Instruction  
in Michigan



Geospatial Technologies Talent Consortium

## Wayne Regional STEM Network

- One of 16 MiSTEM Regional sites across the State

## Drone Competition

- Over 250 students have worked with the Tello Drones

## Camp Invention

A virtual STEM summer program for Wayne County students in grades K-6.

- Over 200 Wayne County K-6 students participated over the past four years
- Camps were both virtual and face-to-face. All students received STEM kits for hands-on learning

## Computer Science Professional Learning

MiSTEM offers K-12 Computer Science Teacher Professional Learning including curriculum resources.

- **K-5** CS Fundamentals = 35 Wayne County Educators
- **MS/HS**: Includes stipends and curriculum
- Over 120 educators trained in 2022-23:
  - CS Fundamentals (elementary)
  - CS Discoveries (middle school)
  - CS Principals and AP CSA (high school)
  - Data Science (high school)

## ASU Modeling Instruction

- Piloted a shortened course of Masters of Mobility which integrates Modeling in a Mobility context

## MiSTEM Playbook Pilot Grants

Competitive state-wide grants to support and implement community-centered 3-P learning initiatives.

- Four Wayne County schools awarded over \$10,000 each over the past three years

## Geospatial Technologies Talent Consortium

- Grant sponsored dual enrollment resulting in nine free college credits, industry certificates, and paid internships
- From 2021-23, over 130 students earned college credit
- 36 student interns completed paid internships at 13 companies and agencies
- Interns conducted 4 drone summer camps at Boys and Girls Clubs in Detroit

# The Wayne Regional STEM Network 2022-23 Impact Report



## Lit Lab Pop Ups

Summer interventions that combine reading and writing with hands-on STEM activities for K-4 students.

- 40 sites and 3,030 students
- [Pre-K results, infographic](#)
- [3rd Grade results, infographic](#)



## Math Recovery

Teacher Professional Learning to support elementary student math proficiency.

- Since 2016, 420 educators have been trained



## Next Generation Science Teacher Training

Professional Learning to support K-12 science teaching.

- Over 950 teachers trained since inception, virtual options created and kits provided



## Master Science Teacher Fellowship

Professional learning to create science instructional leaders.

- Intensive teacher support with over 33,200 contact hours
- Over 2,400 students impacted



## Culturally-Responsive Mathematics

Professional learning series created to help leaders develop and enact culturally responsive school leaders' practices.

- Tri-County Summer Institute provided training to approximately 115 participants
- Meaningful Mathematics and STEM Showcase provided training to 275 participants



## Maker STEM Summit

Education conference designed to expand creative design thinking “making” and STEM opportunities for students through teacher professional learning. Since 2019, more than 700 educators have participated in this event.



## Data Science

- Four-day professional learning series to help integrate mathematics and computer science using module-based math lessons that capitalize on the modern digital tools that computer science offers
- 12 new high school teachers were trained and are implementing the content in their classrooms
- Over 1,900 students are being impacted by the implementation of this professional learning series