

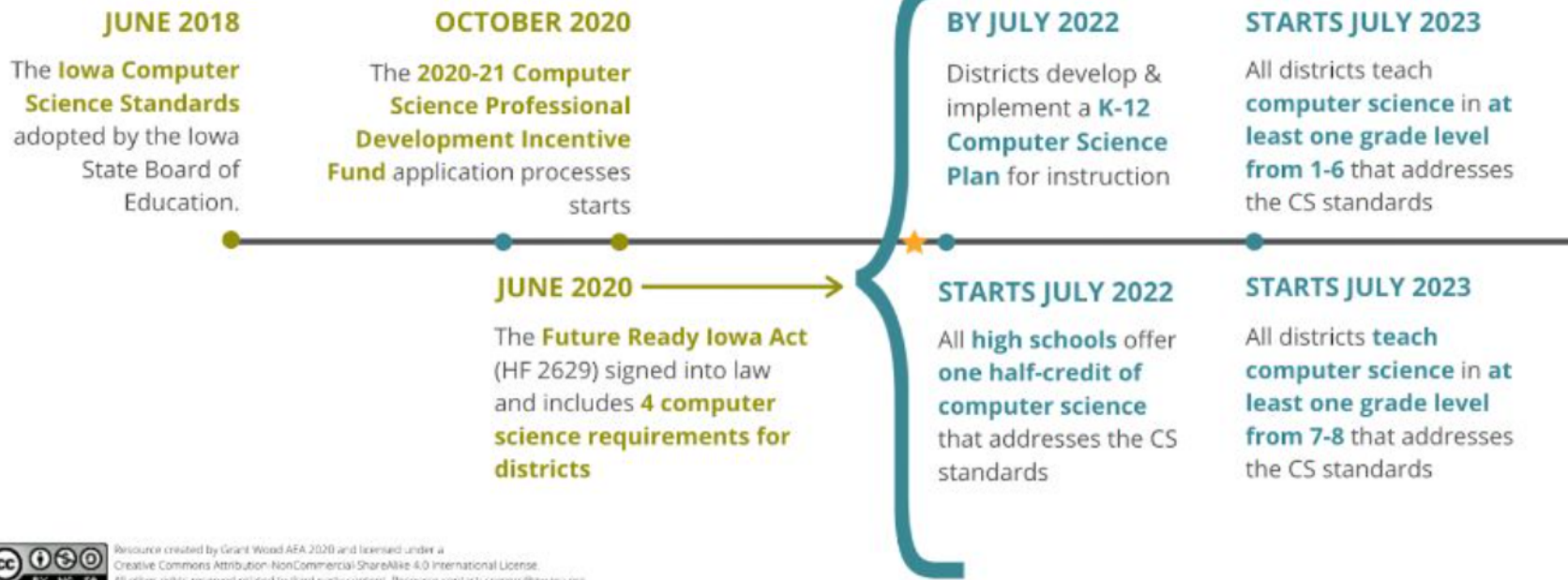


Bondurant-Farrar STEM

Molly Rockefeller



A BRIEF TIMELINE OF COMPUTER SCIENCE IN IOWA



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(Source: [Computer Science in Iowa](#))

SCRIPT Training

Who: The Computer Science Team: Rockefeller, Sanger, Cline, Schlenker, Adams, Beeler, Behrens, and Hill

What: Completed necessary training in preparation for STEM requirements

Take-Away: We are doing a fantastic job of meeting the requirements made by the state - we are already doing it all

Brainstorm: How will we equitably teach CSTA standards K-4 without a dedicated specials time?

CSTA (Computer Science Teachers Association) K-12 Alignment

Computer Science team is breaking down the CSTA standards and creating essential standards to focus on vertically aligning 5-12th grade.

Meeting together during PLC vertical meetings once a month on Mondays.

Morris Elementary

- Osmos
- BeeBots
- STEM Bins
- Scratch Jr
- PLTW



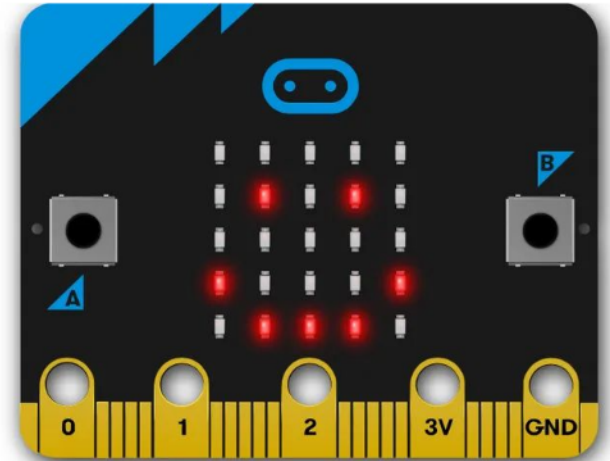
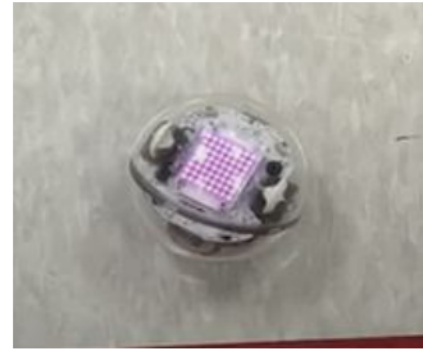
Anderson Elementary

- Osmos
- VEX 123 Robots
- Computational Thinking Bins
- Scratch
- code.org
- PLTW



Intermediate Building

- Micro:Bits
- Spheros
- Finch Robots
- TinkerCad
- code.org
- PLTW



Junior High

Mandatory Courses:

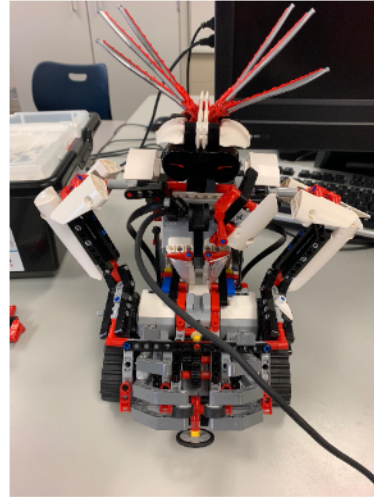
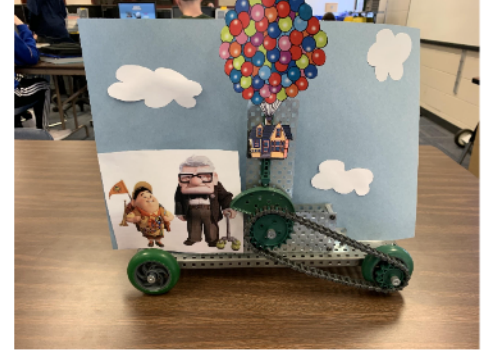
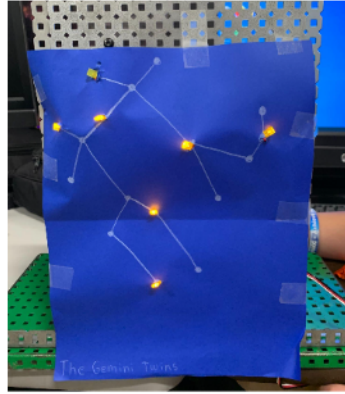
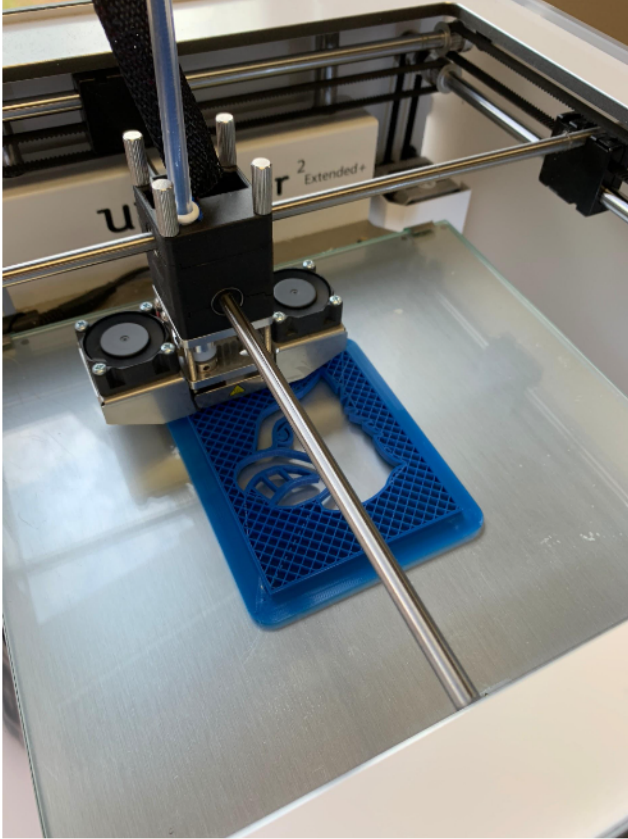
- 7th Grade Design and Modeling
- 8th Grade Automation Robotics

Elective Courses:

- LEGO Robotics
- Computer Science
- Medical Detectives
- Design and Modeling 2.0

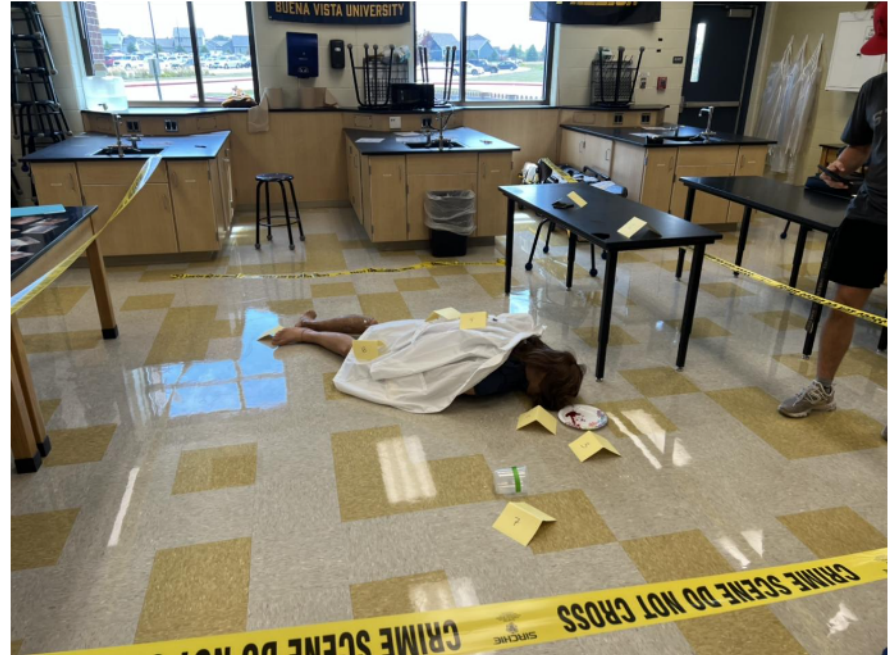
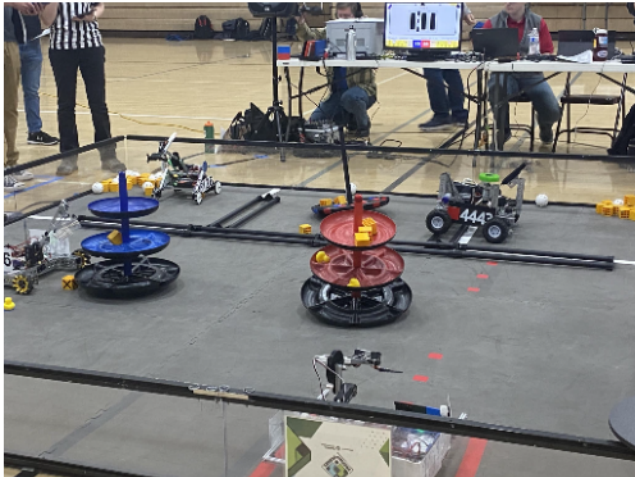


Course standards are based on CSTA, PLTW and district needs.



High School

- PLTW Courses
- Robotics Team
- Computer Programming
- Biomedical Science



Summer Opportunities

We had over 300 students participate in our STEM Summer Camps in 2022

Science Center outreach / partnership

Offered to 1st - 8th grade students





Any Questions?