



**STREAM Students
Afterschool Initiative**

**Connecting CMSD Students to
Careers in Conservation**



**Bethany Majeski, Center Manager
Watershed Stewardship Center
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Looking to Grow

- 12,000 students served annually
- Transportation and scheduling are barriers for many schools
- Safe and engaging afterschool opportunities are needed for students
- To attract students to careers in science, they need to love & experience it



STREAM Students Model

- Bring 18 CMSD students to WCR twice/month during the school year
- Students utilize science, technology, research, engineering, art, and math to implement an environmental restoration project
- Cleveland Metroparks provides student dinners and transportation to and from school



Funding & Logistics

- Two-year National Oceanic & Atmospheric Administration grant
- Partnered with Natural Resources, West Creek Conservancy and Open Doors Academy
- Staffed by two Cleveland Metroparks naturalists, Matt Knittel and Peter Frank



Project-based Learning

Design an environmental restoration project to address erosion and stormwater runoff along 1,700 linear feet of stream, floodplain, and wetland habitats



Career Exposure

- Naturalist
- Natural Resources Area Manager
- Stream Restoration Ecologist
- GIS Manager
- NOW Corps



Research & Planning





Hands-on Science!



Perseverance & Teamwork



Community Impact, Ownership, and Belonging





First Year Results









Looking Ahead

- Continue work with Natural Resources, Open Doors Academy, and West Creek Conservancy
- Exploring collaboration with Rhodes College & Career Academy
- Continue monitoring existing project and create a new project learning opportunity!

Questions?

