

Assistive Technology as a Freshmen Design Experience

College Collaboration Grant

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**COLLEGE OF SCIENCE,
TECHNOLOGY, ENGINEERING,
MATHEMATICS AND
MANAGEMENT**

**COLLEGE OF EDUCATION,
HOSPITALITY, HEALTH
AND HUMAN SCIENCES**

Engineering & Technology Department

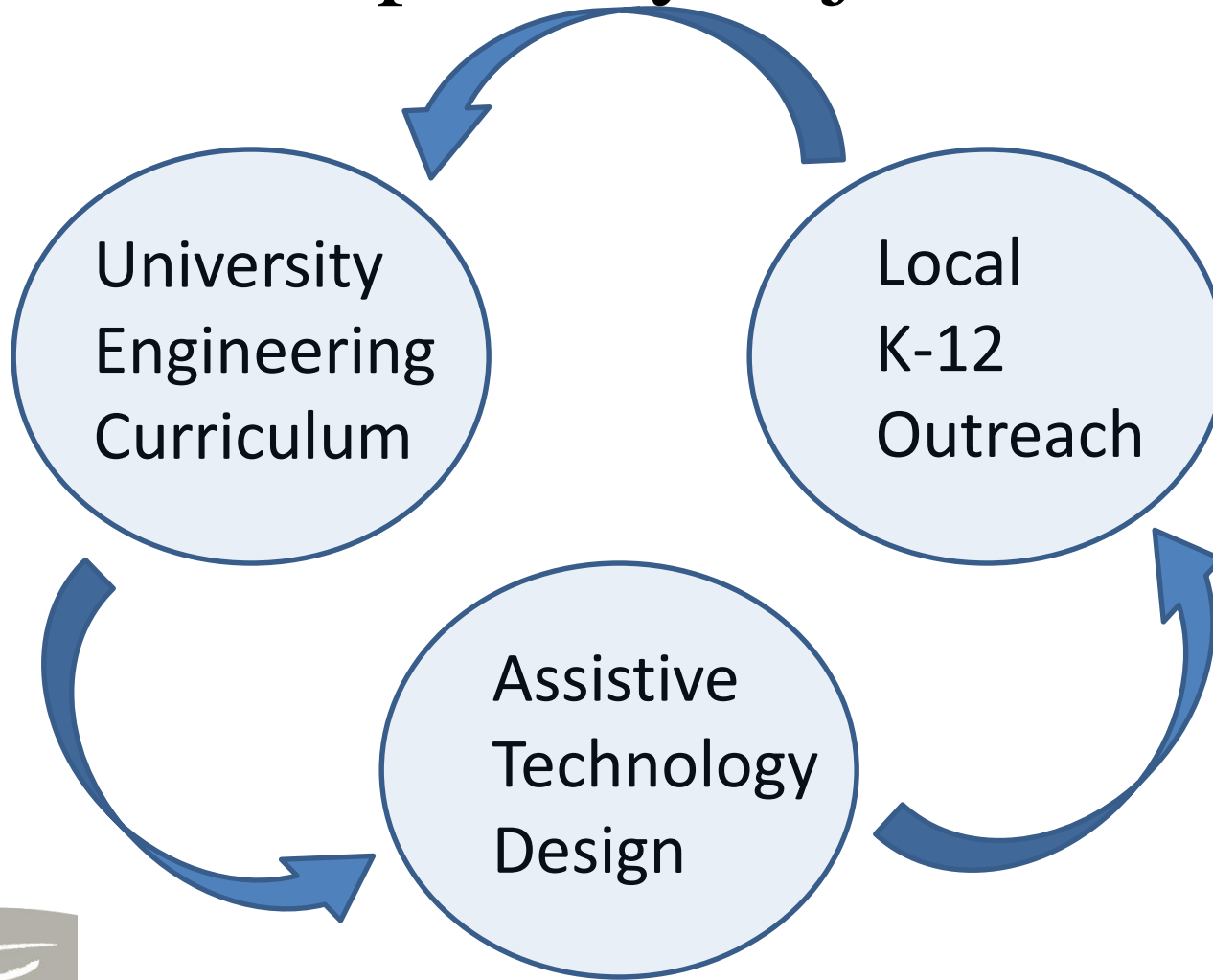
Stout Vocational Rehabilitation Institute

**Assistive technology in
engineering education.**

Assistive technology provides greater independence and quality of life.



This grant is the seed for a project with three primary objectives.



Students participating in assistive tech design can engage with peers, community, and broader world.

ETECH-100 Impacts of Engineering

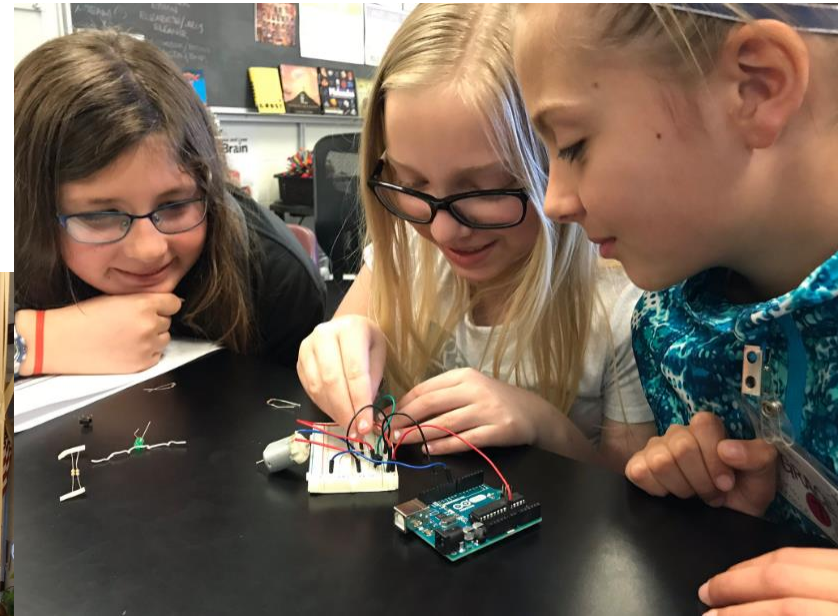
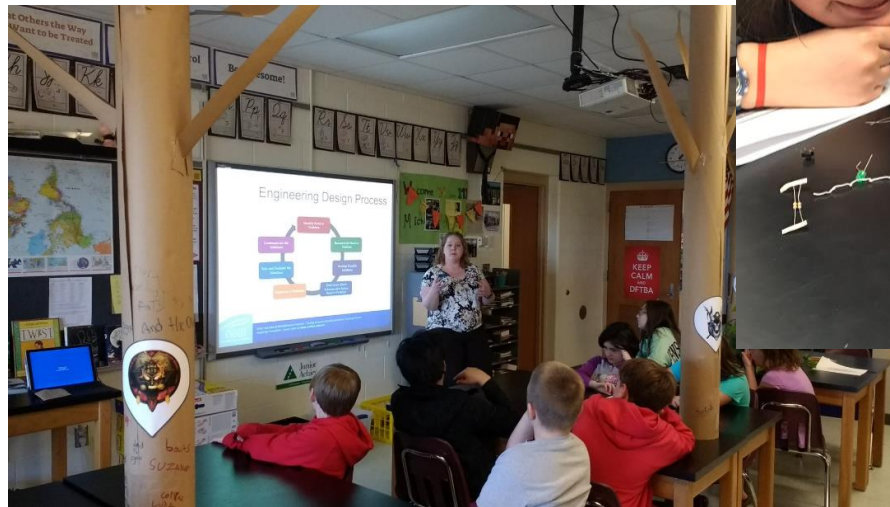
- Required for all engineering students
- General education course > open to entire campus
- Collaborate with SVRI engineers and technologists



Outreach allows us to take our work to the community and grow STEM.

K-12 Collaboration with Matt Wigdahl at Oaklawn Elementary

- Design workshop
- Campus visits
- Year long design project



K-12 Collaboration at Oaklawn Elementary

“I love that my 5th grader participated in learning about engineering that can help those with disabilities!”



While educating, we are having an impact!

Assistive technology is about helping people

- Child development
- At home assistance
- Workplace adaptation for persons with disabilities



Looking to continue this work with further funding.

This grant is a seed for continued development

- Grant proposals
- Regional partners
- Expanded outreach



Thank you for your time!

Acknowledgements

Outreach Event

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Pat Shoemaker

Lab Instructors

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