MINNESOTA STATE CENTERS OF EXCELLENCE

Teacher Training Institute

Educator Resources

HealthForce Center of Excellence

Health Care Core Curriculum

- Prepares students to pursue any healthcare career.
- Provides skills needed to be successful.
- Supports informed career and educational choices.
- A fully developed online course is available for distance and hybrid delivery

http://healthforceminnesota.org/educators_college/hccc.html

HealthForce Center of Excellence

Minnesota Nursing Assistant Online

- Fully Developed Online Nursing Assistant Course.
- Includes virtual Skills Lab.
- Available to instructors of approved programs.

Contact: aschaffhauser@winona.edu

Transportation Center of Excellence

Educator Resources

- Our Educator Resources are vetted by our staff and updated frequently.
- We have resources for work-based learning, career exploration, teacher mentoring, new technologies and much more!

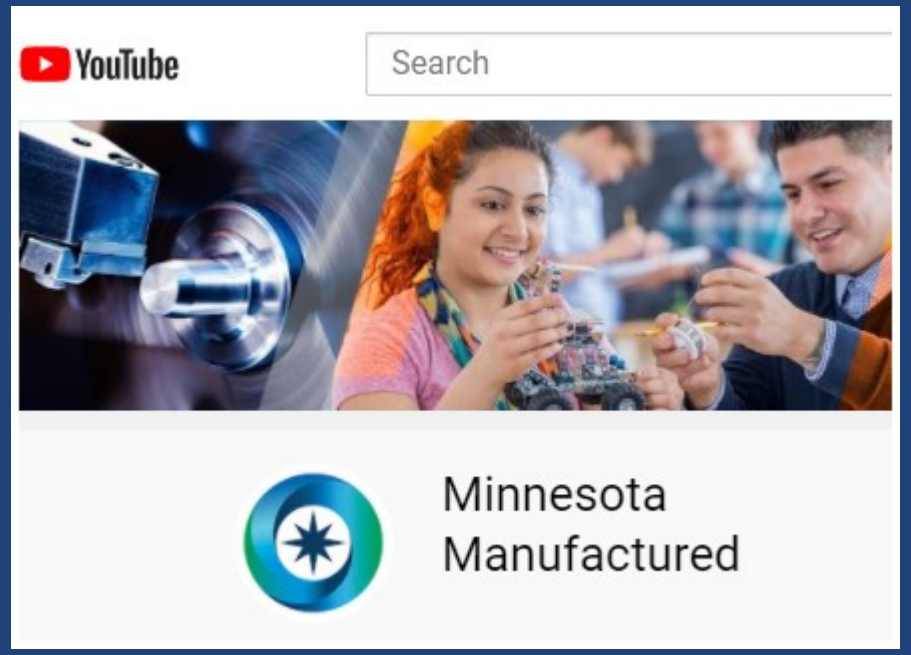
MINNESOTA STATE
Transportation Center of Excellence

https://www.minntran.org/educators/educator-resources/

Advanced Manufacturing Center of Excellence

Manufacturing Career Videos

- Lots of great videos that include facts about manufacturing careers, people talking about their jobs, and highlights of Minnesota manufacturing companies.
- Be sure to check out the videos featuring women talking about their careers in manufacturing!



https://www.youtube.com/channel/UCZoupOU31eiP9wfBkmRp4Eg/videos

Advanced Manufacturing Center of Excellence

Badge Pathway

- Students can earn badges for completing manufacturing career exploration activities.

https://mnmfg.org/educators/badge-pathway-teachers/

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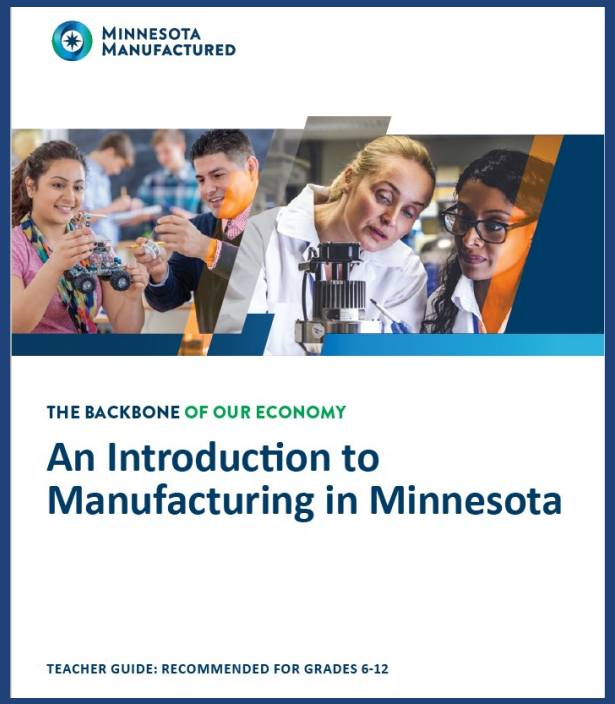
Advanced Manufacturing Center of Excellence

Manufacturing in Minnesota Teacher Guide

- Includes ready-made lessons for students grades 6-12 to explore careers in manufacturing.



https://mnmfg.org/educators/teacher-guide/

Advanced Manufacturing Center of Excellence

Manufacturing Career Tool

- Website with facts about careers in manufacturing, videos, and a fun quiz for students to determine which careers in manufacturing may be a good fit for them.
- They can also explore higher education options.

https://www.yourfutureinmanufacturing.com/

Advanced Manufacturing Center of Excellence

Career Success Skills Modules

- Skills modules highlighting work in a manufacturing environment.
- Free download includes power points, teacher guides, videos, and student workbooks for 26 modules.

https://mnmfg.org/educators/career-success-skills-learning-modules/

Southern Agricultural Center of Excellence

Agriculture and STEM Teacher Resources

- SACE has many resources to assist teachers and can also help with virtual classroom visits to explore careers in Agriculture.
- Please see our information below and also check us out on Facebook or Instagram: Learn.Grow.Do.

MINNESOTA STATE
Southern Agricultural Center of Excellence

Southern Minnesota
CENTER OF AGRICULTURE

https://www.centerofagriculture.org/education/teacher-resources

I.T. Center of Excellence

ITX Curriculum

- The free I.T. Exploration Curriculum (ITX) exposes students to in-demand tech skills that not only spark interest in future career opportunities, but also help navigate the technology in daily life.

it EXPLORATION

Preparing Students for Tech Career Success

https://mnstateitcoe.org/it-exploration-curriculum/

MINNESOTA STATE CENTERS OF EXCELLENCE

Teacher Training Institute

Educator Resources

Engineering Center of Excellence

Advanced Careers and Middle Grades STEM

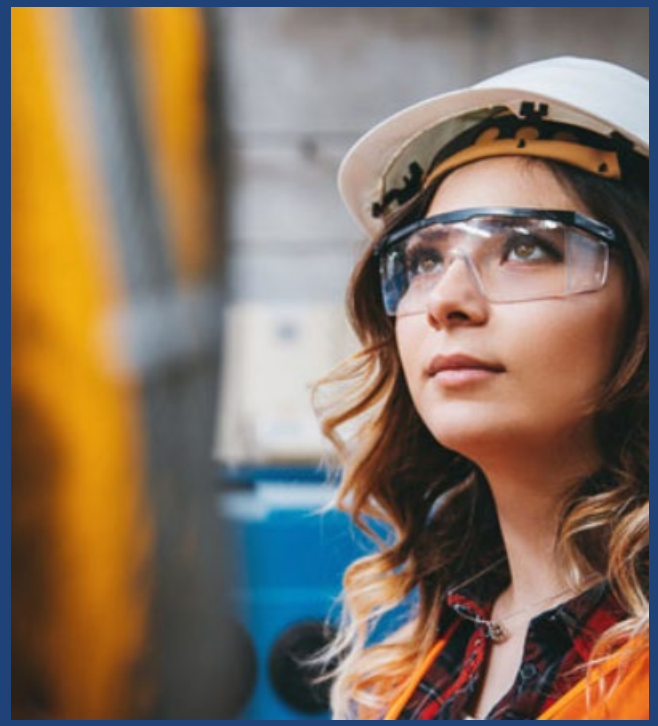
- Project-based STEM Curriculum.
- Middle and High School.
- Pathway-focused, including:
  - Aerospace Engineering
  - Clean Energy Technology
  - Health Informatics
  - Innovations in Science and Technology
  - Integrated Production Technologies
  - And MANY more!

https://engineering.mnsu.edu/advanced-careers/

Engineering Center of Excellence

Labor Market, Careers, and Education Exploration Tools

- Up-to-date information on occupations in demand, education requirements, and salary.
- Engineering and engineering technology occupations including career videos, post-secondary programs, and more!



https://engineering.mnsu.edu/careers/

Engineering Center of Excellence

Engineering Design Challenge Modules

- Collection of online modules intended for a wide variety of audiences and settings.
- While completing the challenges, users will learn about relevant STEM (science, technology, engineering, and math) principles.

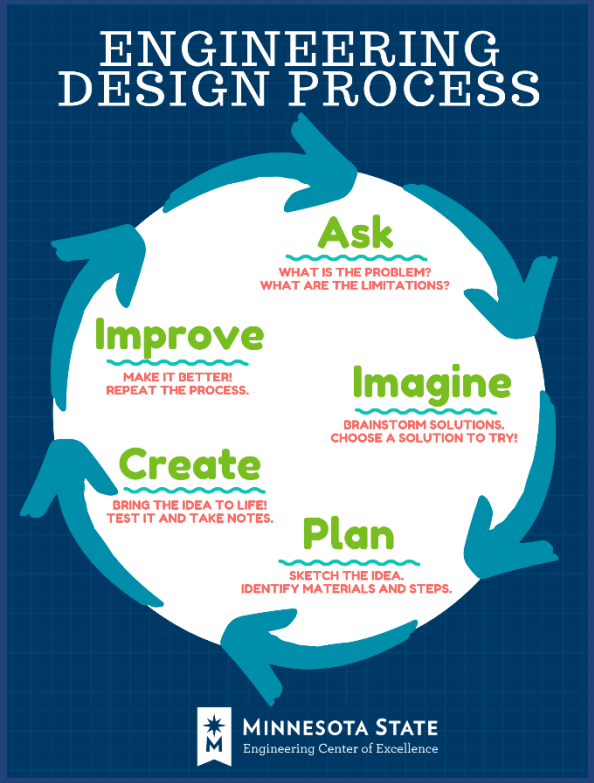
Engineering Design Challenge: Roller Coaster

https://engineering.mnsu.edu/engineering-design-challenge-modules/

Engineering Center of Excellence

Engineering Design Process Posters

- Download engineering design process posters for your classroom today!

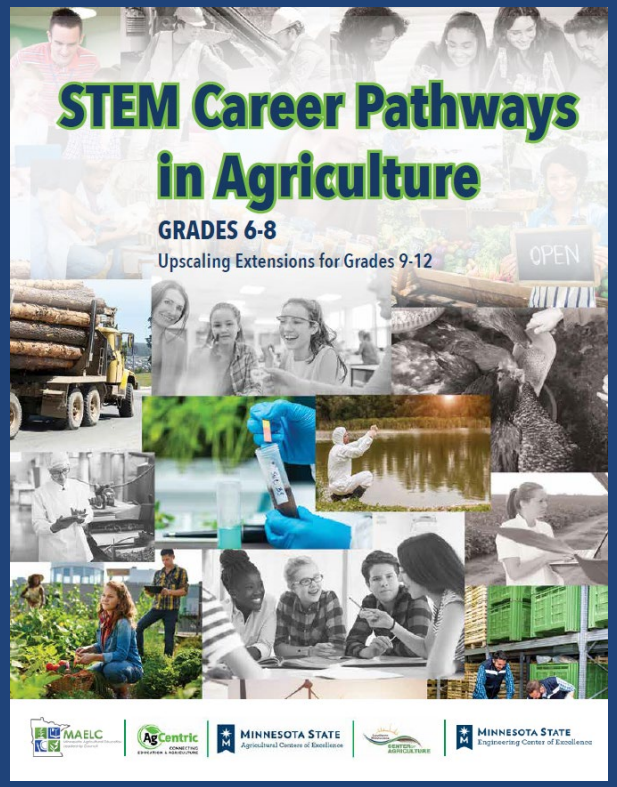


https://engineering.mnsu.edu/engineering-design-posters/

Agricultural & Engineering Center of Excellence

STEM+Agriculture Career Pathway Curriculum

- Appropriate for 6th-8th grade and scalable to 9th-12th grade
- Utilizes the Experiential Learning Model
- Appropriate for in and out of the classroom
- Framed by the Agricultural Career Pathway Wheel
- Activity Extensions for further learning or increased challenge
- Reflection Activity with each Unit



https://engineering.mnsu.edu/stem-agriculture-curriculum/