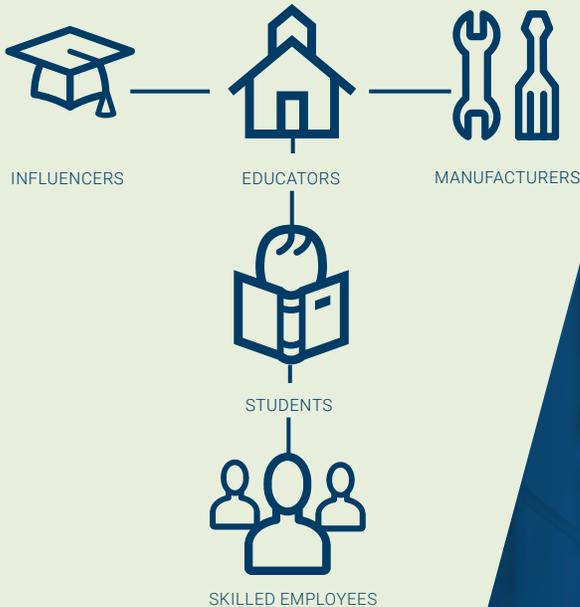


# EDUCATOR TOOLKIT

This toolkit includes an abundance of resources and information about manufacturing career opportunities. We engage manufacturers and educate teachers and parents about the industry. We hope that you find these resources useful in your classroom.

## HOW IT WORKS...

Minnesota Manufactured connects influencers, educators, and manufacturers with resources to develop the future workforce in manufacturing!



## OUR MAIN EVENT! STATEWIDE TOUR OF MANUFACTURING

The Statewide Tour of Manufacturing (our annual event) helps educate students and educators, increase awareness of advanced manufacturing practices, and highlights the innovation that is prevalent in the industry. Schools have the opportunity to take a FREE tour of these exciting manufacturing facilities. Options for in-person or virtual tours will be available this year. The statewide tour makes it possible to experience firsthand what modern manufacturing is like and highlights exciting careers offered in the industry today!



64% OF

**MANUFACTURERS SAY  
THEIR LARGEST  
CHALLENGE  
ATTRACTING AND RETAINING A  
QUALITY WORKFORCE**



**IN THE NEXT 10 YEARS  
4.6 MILLION  
JOBS  
NEED TO BE FILLED IN  
MANUFACTURING ALONE**

Apply for a free field trip for your school today at [mnmfg.org/statewidetour](http://mnmfg.org/statewidetour)

## 2019 TOUR RESULTS



**10,521**  
K-12 Students  
Attended A Tour



**50**  
Schools  
Participated



**495**  
Educators  
Attended A Tour



**209**  
Employers  
Participated



**648**  
Manufacturing  
Tours

## Statewide Tour of Manufacturing Survey Results

**76%** of students were interested  
**IN MANUFACTURING CAREERS**

**88%** of businesses thought hosting  
**A TOUR WAS WORTHWHILE**

## Youth Outreach Toolkit

Our toolkit includes posters, videos, a Teacher Guide, and brochures for students, parents, and educators. Our materials make it easy for you to share information about career opportunities in manufacturing with others.

Contact us to request materials:  
218-755-2206 | [jaimie.meyer@bemidjistate.edu](mailto:jaimie.meyer@bemidjistate.edu)



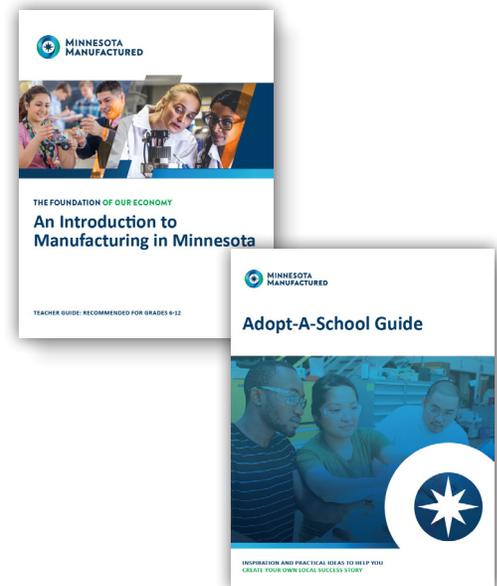
## Teacher Guide & Adopt-A-School Guide

**TEACHER GUIDE:** provides lessons, activities, and videos to introduce middle school and high school students to advanced manufacturing and its many career opportunities. Includes hands-on activities.

**ADOPT-A-SCHOOL GUIDE:** provides ideas for manufacturers who want to engage their local school. This thoughtful and practical guide offers many helpful suggestions to help employers engage their potential future workforce.

Request a copy, or download a copy of either guide at:

- [mnmfg.org/educators/teacher-guide](http://mnmfg.org/educators/teacher-guide)
- [mnmfg.org/manufacturers/adopt-a-school](http://mnmfg.org/manufacturers/adopt-a-school)



## Robotics Coach Resource

Minnesota Manufactured hosts training for robotics coaches and teachers to help them develop their teams' skills and connect them to advanced manufacturing. We also share best practices for coaches and teachers who want to engage local manufacturers in their robotics programs.

Visit [mnmfg.org/students/vex-robotics](http://mnmfg.org/students/vex-robotics) to learn more



# REACHING THE GOAL

Minnesota Manufactured offers an abundance of resources and information about manufacturing career opportunities. We engage manufacturers and educate teachers and parents about the industry.

## Digital Badge Pathway

Minnesota Manufactured has created a digital badge pathway which encourages students in grades 7-12 to progress along a manufacturing career path. A badge earned by a student is a digital, verifiable representation of an accomplishment. Students who complete the badge pathway are eligible to earn a Minnesota Manufactured Education scholarship.

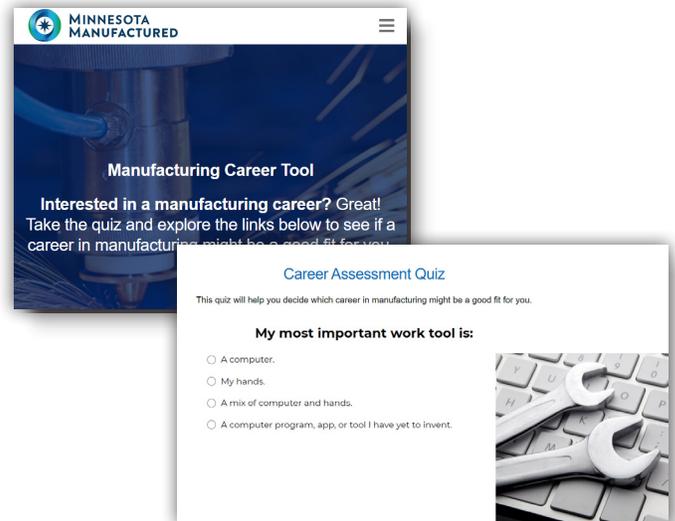
Learn more at [mnmfg.org/students/badge-pathway](http://mnmfg.org/students/badge-pathway)



## Manufacturing Career Tool

Use the career tool to help students explore six different modern manufacturing careers. Students can watch videos to see a day in the life of someone who works in modern manufacturing and even take a quiz to find out how skills and interests align with advanced manufacturing career fields.

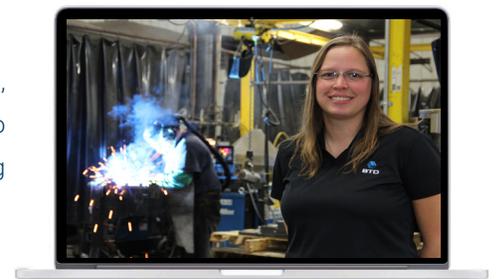
Help students explore careers at: [mnmfg.org/students/manufacturing-career-tool](http://mnmfg.org/students/manufacturing-career-tool)



## Career Videos

We have created many high quality, engaging career videos that highlight opportunities, salaries, and the wide variety of careers found in modern manufacturing. Our video library includes testimonials from employees and profiles of advanced manufacturing businesses in Minnesota.

View the videos here: [mnmfg.org/videos](http://mnmfg.org/videos)



# OUR PURPOSE

- Inspire young people to seek careers in advanced manufacturing
- Improve public perception of manufacturing
- Influence schools, parents, and guidance counselors
- Involve Minnesota manufacturers in a leadership role

## Webinar Series

The Minnesota Advanced Manufacturing Center of Excellence is excited to offer a monthly webinar series. These webinars are designed to share resources available for educating current and future students, as well as incumbent workers.

Visit [mnmfg.org/webinar-series](http://mnmfg.org/webinar-series) to learn more.



## Educational Programs

**PROGRAMS & COURSES:** Students can prepare for an exciting career in advanced manufacturing while in high school! Minnesota Manufactured partners with 2-year colleges to offer programs leading to high-paying employment in the advanced manufacturing industry. Certificates available in foundational manufacturing skills and welding. Most courses delivered fully online except for hands-on welding labs held at regional college locations. Embedded courses prepare students for national certification exams through Manufacturing Skill Standards Council (MSSC). PSEO, contract, or concurrent enrollment options are available.

Contact Sue Selland-Miller, Director of Manufacturing Education Programs: 218-755-2208 | [sue.selland@bemidjistate.edu](mailto:sue.selland@bemidjistate.edu)

Learn more about higher education opportunities at:

- [mnmfg.org/programs-courses](http://mnmfg.org/programs-courses)
- [mnmfg.org/programs-courses/high-school-pseo](http://mnmfg.org/programs-courses/high-school-pseo)

## HAVE QUESTIONS OR WANT TO LEARN MORE?

Jaimee Meyer, Director of Marketing and Outreach  
[jaimee.meyer@bemidjistate.edu](mailto:jaimee.meyer@bemidjistate.edu) | 218-755-2206

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PRESENTING:



**MINNESOTA STATE**  
Advanced Manufacturing Center of Excellence

ATE Regional Center

GOLD:



SILVER:



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