



Get your hands on these Trades-focused opportunities

“I’m not the kind of person who likes to sit in a chair all day. I learn by doing, through hands-on, independent work that allows me to identify problems and stick with it until I find a solution. My long-term goals are to be happy in a well-paying career where I can use my hands, do what I love and be useful to my family and my community.

– Notes from a Minnetonka student focus group

Minnetonka High School offers a variety of pathways to students with a passion for real-world, hands-on learning that could lead to a lucrative career in the skilled trades.

MHS will provide additional opportunities during the 20-21 school year:

- guest speakers & panel presentations
- connections to local businesses
- information about trade certifications
- on-ramps to trade and technical schools
- Senior Capstone experience for students who complete an advanced-level course

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Partner with Us!

Help us connect MHS students with the Trades community. Please complete the form:

<http://bit.ly/MTKA-MOMENTUM>

Trades Pathways Quick Facts

2

New MHS courses: **Metal Sculpture** (art credit) and **The Physics of Home Renovation** (physics science credit)

3M

The skilled trades gap in the United States is expected to reach 3 million job vacancies by 2028*

2026

Projected: Better-than-average employment in the building trades at least through 2026*

16k

Number of skilled electricians needed nationwide with more anticipated as professionals near retirement**

MHS PATHWAYS

What is the skilled trades gap?

Highly skilled individuals in the trades are critical to a strong U.S. economy. Employers need new talent today to replace retiring workers.

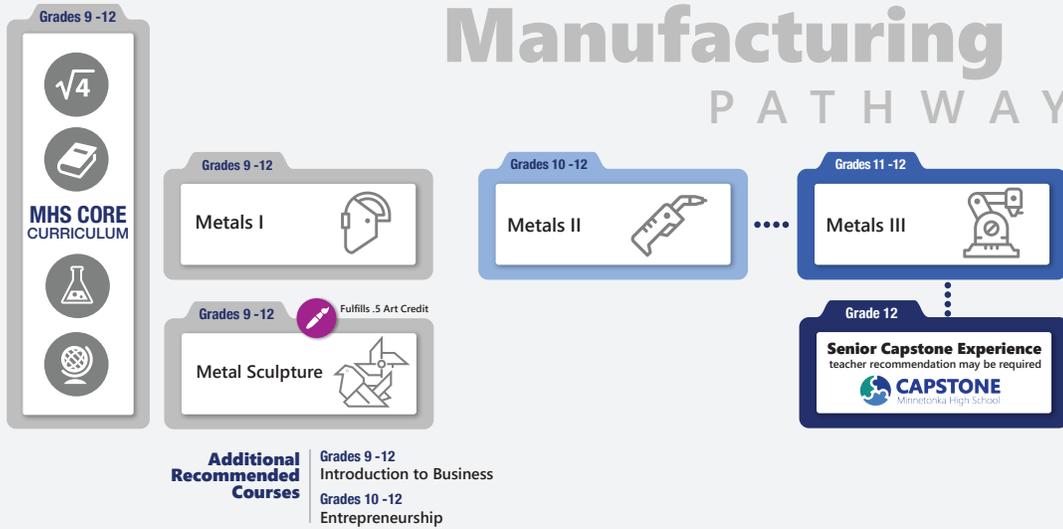
What's the right pathway for you?

Two new MHS courses:

Metal Sculpture
(grades 9-12, art credit)

and

The Physics of Home Renovation
(grades 11-12, physics science credit)



MHS Activities/Clubs

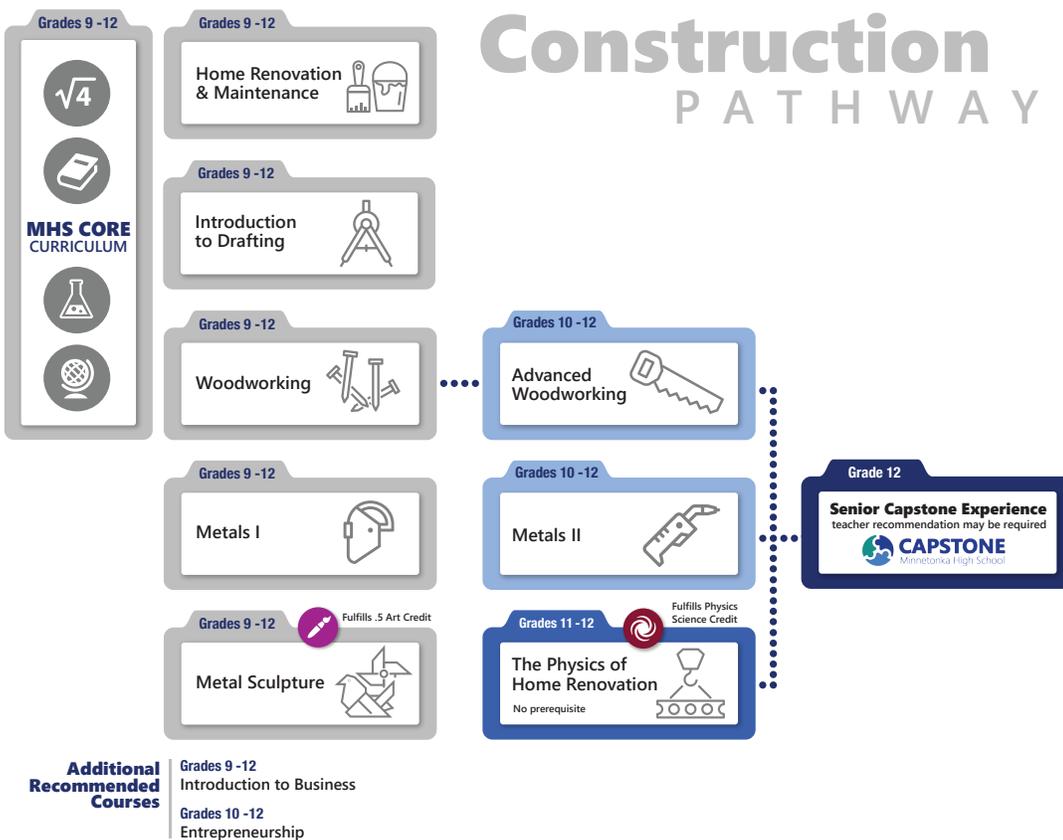
- Supermileage
- Robotics

Career Options

- Welding, Machinist, Robotics

Post-secondary

- Two- and four-year options

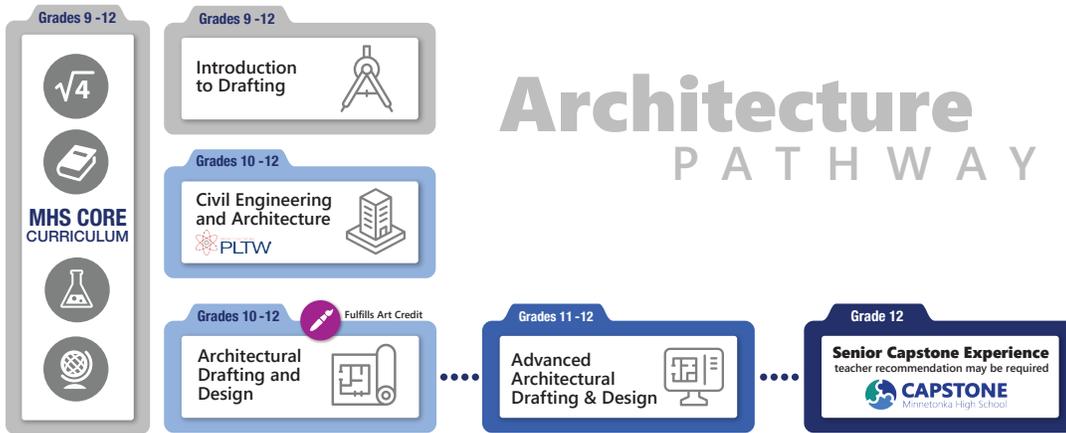


Business Connections

- RJM Construction, Golden Valley

Career Options

- Carpenter
- Electrician
- Ironworker
- Laborer
- Superintendent
- Project Engineer (Office)
- Field Engineer



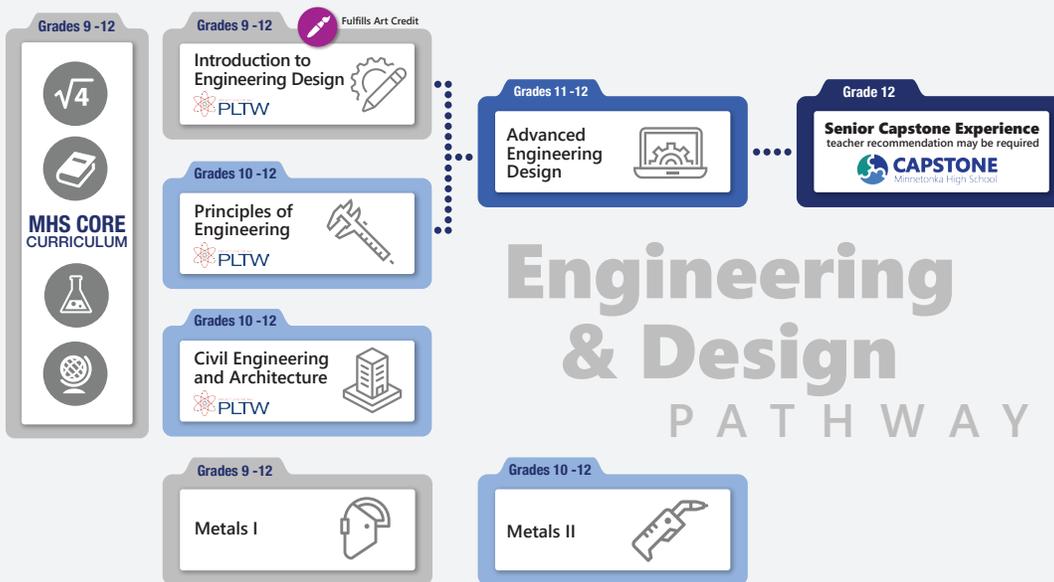
Architecture PATHWAY

Career Options

- Architect
- Draftsperson

Post-secondary

- Two-year specialized design program
- Four-year architecture degree



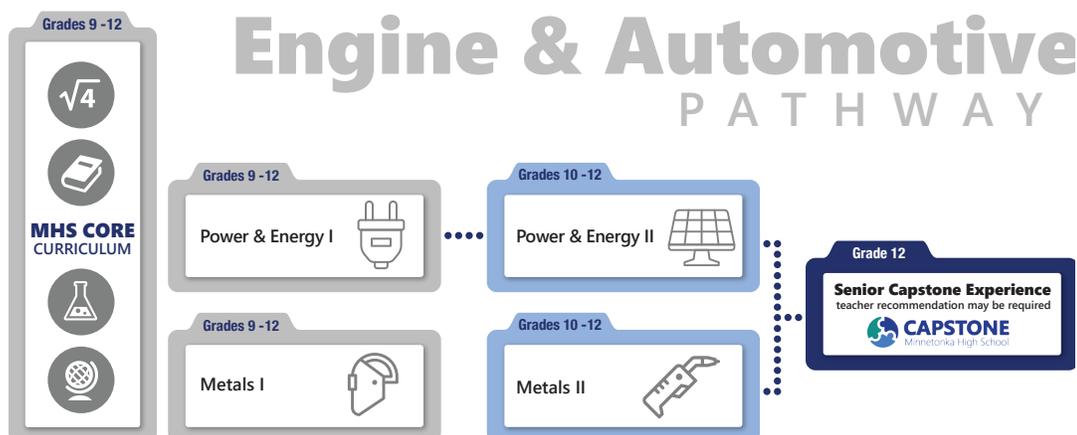
Engineering & Design PATHWAY

MHS Activities/Clubs

- Robotics
- Science Olympiad
- Supermileage

Post-secondary

- Four-year engineering degree



Engine & Automotive PATHWAY

MHS Activities/Clubs

- Robotics
- Supermileage

Post-secondary

- Two- and four-year options

Career Options

- Automotive Technician
- Master Mechanic

Additional Recommended Courses

- Grades 9 -12**
Introduction to Business
- Grades 10 -12**
Entrepreneurship
Money, Banking & Investing

CREATING AWARENESS

Business Connections

MHS staff and the Trades Advisory Board, made up of leaders in the trades industry, are working to strengthen connections between MHS students and local companies looking to train students, fill apprenticeships, and hire dedicated MHS students and recent graduates.

Watch for more information on these business connections as the 2020-21 school year gets underway.

Certifications

Skilled trade certifications give students portable skills that lead to fulfilling, well-paying jobs.

Certifications can also lead to greater responsibility within an organization and prepare individuals to succeed should they choose to pursue a two- or four-year academic pathway later.

Technical Schools

Minnesota is home to many technical schools with vibrant programs that lead to technical certificates or associates degrees.

Look for announcements on college/career visits and guest panel discussions that include representatives from these schools.

“Create **awareness and support** for all students on all pathways (trades, military, gap years, technical school, colleges and universities, etc.) to promote the **best match for each student.**”

– Minnetonka School Board Goal 2

IT'S ABOUT YOU

Core Curriculum

Your strong Minnetonka High School core curriculum (English, math, social studies, science) will help you hone the skills you'll need for success on the job and as you consider supervisory-level opportunities.

Stay engaged! Personalize your learning and incorporate your passion for this work wherever you can.

Be Valued

The skilled trades can provide significant economic value:

- begin with paid work experience
- gain skills and confidence
- pursue certifications
- take advantage of training that may be fully paid by employers
- feel valued by employers and customers

Stand Out

In MHS Technology Education courses, you'll be able to apply what you're learning and develop the skills you need to stand out to employers. Hands-on, project-based work will allow you to demonstrate critical thinking and problem-solving skills.

Enrollment and engagement in an advanced Tech Ed course are key to gaining a teacher recommendation that may be needed to participate in the offsite Senior Capstone experience. ▶



Project Lead the Way empowers students to develop and apply in-demand skills by exploring real-world challenges. MHS offers three PLTW pre-engineering courses focused on solving problems, thinking critically and collaborating.

In 2019, 83% of Minnetonka students completing the PLTW requirements earned college credit.



The MHS Senior Capstone Project provides students the opportunity to apply and participate in a two-week, off-campus experience at the end of their senior year. Students explore their passions and work with a mentor in a real-world learning environment.

Enrollment in an advanced Tech Ed course is required. MHS teacher recommendation may be requested.