

Technology and Engineering Education

About:

Technology and Engineering Education is an interdisciplinary STEM subject that provides multifaceted opportunities for students to become prepared for careers and for post-secondary education and through theory and hands-on lessons in the classroom and industry-based opportunities outside of school. The major force driving technology and engineering education is change. Contemporary technology and engineering programs are essential to WI and the nation's global competitiveness. Technology education, along with SkillsUSA, has the potential to elevate students to ensure the United States has a highly skilled workforce for generations to come.

Authentic STEM education offers *all* students an opportunity to engage with meaningful problems beyond the application of isolated pieces of science, technology, engineering and mathematics learning. STEM education is more than the sum of its parts, functioning as a *meta discipline* that provides a way of approaching problems across contexts. In the 21st century, major societal problems do not belong to any one discipline; they must be solved through multiple approaches and perspectives. STEM provides one such approach, emphasizing a quantitative, collaborative, innovative, and logical analysis rooted in a solid understanding of science, technology, engineering and mathematics.

For more information from WI DPI, please visit wi.dpi.gov/te or dpi.wi.gov/stem

Advanced Course Options & Opportunities

- Project Lead the Way (PLTW) Certificate Grades 6 -12
- Transcribed PLTW Courses
 - Digital Electronics
 - Introduction to Engineering Design
 - Principles of Engineering
 - Engineering Design & Development
- Four Transcribed Courses at LHS Grades 11-12
 - Advanced Electricity
 - Computer Aided Drawing and Drafting
 - Manufacturing
 - Welding Technology II/III
- Building Construction Capstone Course Grades 11-12 (unpaid internship)

Get Involved!

- Engineering Club Grades 6- 9
- [SkillsUSA](#) Grades 10-12