



Learn more about...
Project Lead the Way

Project Lead the Way

Challenging our students to think like engineers



Because of Project Lead the Way, our students transition easily to STEM-focused high school curriculum and discover technology-focused careers.

KTEC's Project Lead the Way curriculum connects classroom learning to real world challenges through Logic Gate problems, computer aided design, soaring carbon-dioxide rockets and racing cars powered by compressed air.

In one project students tasked with crafting a new computer lab blueprint, utilized Inventor, a computer aided design program similar to the one used at Lockheed Martin. The students' plan was later implemented by district construction personnel.

Specially trained KTEC staff guide students through each challenge in conjunction with a rigorous academic curriculum in math and science.

Project Lead the Way's eight independent units include:

Design and Modeling introduces Inventor, design processes and different types of technical drawings.

Automation and Robotics teaches students about energy transfer, structures, mechanical gears, machine automation and programmed control systems.



Energy and the Environment investigates the importance of energy and the impact energy use has on the environment.

The Magic of Electrons explores the science of electricity, the movement of atoms, circuit design and sensing devices.

The Science of Technology teaches the mechanics of motion, the conversion of energy and energy transfer.

Flight and Space introduces the technology of aeronautics, propulsion and rocketry.

Green Architecture explores architectural plans, construction styles, alternative materials and processes, dimensioning, measuring and sustainability.

Medical Detectives teaches the biomedical sciences through hands-on projects and labs.

Project Lead the Way

Big benefits for our students

- ✦ Students learn challenging engineering skills doing fun projects
- ✦ Students master required math, science and language arts skills through Project Lead the Way curriculum
- ✦ Students collaborate in teams, seeking solutions and sharing results
- ✦ On-site Project Lead the Way master teacher inspires students and staff
- ✦ High schools welcome KTEC students since they are ready for the challenge
- ✦ Businesses hiring PLTW-trained students get workers who are: team players, technology savvy, creative and analytical thinkers
- ✦ Students are on a path to career success in high demand, STEM-related fields



Kenosha School of Technology
Enhanced Curriculum
(262) 359-3800 • ktec.kusd.edu