



Career & Technical Education (CTE)

Foundations of CTE 10



www.moboces.org
(315) 361-5700



★ Overview

Foundations of CTE 10 offers 10th grade students the unique opportunity to build employability skills needed to apply for, obtain, and maintain a job. In-house internships culminate the learning experience so that students can more readily transition into a specialized program for their junior and senior years.

The goal of the one-year program is to help students reconnect with learning via experiential and kinesthetic experiences. Students complete projects, learn how to keep themselves safe in the work environment, and experience academic learning in a new context.

Specific learning in the program encompasses safety and first aid, measurement, hand and power tools, building materials, basic woodworking and wood finishing, an introduction to basic manufacturing processes and welding, and basic home maintenance skills. A well-equipped laboratory/shop helps students relate what they learn in class to real-world projects.

Note: This program is for sophomore (10th grade) students.

★ Units of Study

- Program Orientation and Basics of Safety
- Basics of First Aid
- Measurement
- Introduction to Hand Tools
- Introduction to Hand-Held Power Tools
- Introduction to Stationary Power Tools
- Materials
- Wood Finishing
- Basics of Manufacturing
- Introduction to Welding and Plasma Cutting
- In-House CTE Internships
- Professionalism/Employability
- Basic Home Maintenance
- Interdisciplinary Projects with other CTE programs, including:
 - Outdoor Power Equipment, Heavy Equipment Operation, Carpentry, Electrical/HVAC, Automotive Trades, Health Professions & Conservation



★ Class Format

Classroom, laboratory/shop, internships

★ Equipment Needed

- Boots and pants
- Pencils and an easy to read tape measure/activities

★ Safety is Important

- Students must wear personal protective equipment any time they are working in the shop or on a job site.
- Students are required to pass safety assessments with 100% accuracy before being allowed to continue using various tools and equipment associated with the course.
- Shop rules will be followed at all times and privileges can be revoked.

★ Features and Benefits

- **Academic Preparation:** Program structure and guidance helps students more readily transition into their chosen CTE programs in their junior and senior years.
- **Work-Based Learning:** In-house internships provide students with simulated real-world, professional experiences.

★ More Information

Contact your guidance counselor, call our CTE office, attend an open house, or visit us online.