

Have an interest in Carpentry, Plumbing, Masonry, or Electrical?

- Throughout the three courses of the pathway you will learn about employability skills, use of tools, and how to maintain a vehicle properly.
- Through classroom and laboratory experiences, students will gain essential skills to prepare them for carpentry, plumbing, masonry, and electrician careers.
- Students will develop leadership skills, build relationships between academic and technical skills, and learn industry standards to achieve the National Center for Construction Education and Research (NCCER) certification.



SkillsUSA®

Skills USA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. Skills USA helps each student excel. We provide educational programs, events and competitions that support career and technical education (CTE) in the nation's classrooms.

Skills USA is the Career Technical Student Organization (CTSO) for this pathway. Students will have opportunities to compete with other schools in the state and nationally. This CTSO also serves as a networking platform for students and offers scholarships for college.



CONSTRUCTION PATHWAY

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Industry Fundamentals and Occupational Safety Course 1

This course prepares students for the basic knowledge to function safely on or around a construction site and in the industry in general. Students gain knowledge to prepare for more hands-on learning and producing a product for a customer.

Topics include: employability skills, the concepts of construction, how to use tools, and safety procedures.

Students will gain knowledge and demonstrate skills that can lead to accreditation by the National Center for Construction Education Research (NCCER) Certification.



Introduction to Construction Course 2

This course builds on student knowledge and skills developed in Course 1. This course introduces students to the history and traditions of the carpentry, masonry, plumbing, and electrical craft trades.

Students will learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to and develop skills to differentiate between blueprints related to each individual craft area.

Students will apply their knowledge with hands-on construction of cabinets, tables, and small building structures.



Carpentry I Course 3

This course provides an overview of the building materials used in the carpentry craft, as well as techniques for reading and using blueprints and specifications related to the carpentry craft.

Students will learn industry terminology, specific knowledge and skills in construction site layout, floor, and wall framing systems.

Students will apply their knowledge with hands-on construction of a scaled version of a house to include; framing, wiring, plumbing, dry-walling, and roofing a kitchen/bathroom.

