



OHIO CONSTRUCTION TECHNOLOGIES CAREER FIELD TECHNICAL CONTENT STANDARDS

- Competency 1.1: Explore career pathways in Construction Technologies
Descriptor: 1.1.1: Identify current and future career options for a person trained in Construction Technologies.
Descriptor 1.1.4: Identify education and training needed for a career in Construction Technologies.
- Competency 1.3: Examine the physical aptitudes necessary to perform critical work functions.
Descriptor: 1.3.2: Discuss the various types of physical requirements needed by workers for performing various tasks.
Descriptor 1.3.3: Compare different physical aptitudes necessary for different construction areas.
- Competency 1.9: Explain the rights and responsibilities of participants in construction industry and training programs.
Descriptor: 1.9.2: Differentiate job descriptions and duties between various construction industry and training programs.
Descriptor 1.9.5: Discuss the need to enroll and complete construction industry and training programs.
- Competency 2.1: Examine the various materials used in construction.
Descriptor: 2.1.1: Identify the various materials used in the construction industry.

MICHIGAN CAREER AND EMPLOYABILITY STANDARDS ALIGNMENTS

Content Standard 1: All students will apply basic communication skills (e.g. reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.

Middle School

6. (Listening and Presentation Skills) Listen to a spoken message and record important information. Report back identifying the central idea and key points. (ELA 3, 7, 9, 10, WKL 4)

High School

6. (Listening and Presentation Skills) Listen to a spoken message and record important information. Report back identifying central themes and key points to explain how the message applies to a similar situation. (ELA 3, 7, 9, 10, WKL 4)



Content Standard 2: All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.

Middle School

1. Develop an understanding of career clusters and employment opportunities by participating in exploration activities (e.g., business tours, career days, Michigan Occupational Information System—MOIS, job shadowing, the internet, career center/college visitations).
2. Describe careers or employment which involves working for self and working for others.
3. Describe how personal aptitudes and interests may lead to a career choice and select activities and courses that explore career interests.
4. Use initial career assessment information to identify career interests and abilities.

High School

1. Understand and organize career information and labor market trends from a variety of sources (e.g., MOIS, computer data banks, the internet, interviewing experts and potential employers, mentorships, internships).
4. Interpret information from a variety of career assessments to identify career interests and abilities.

Content Standard 3: All students will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas and organize and present information in formats such as symbols, pictures, schematics, charts, graphs.

Middle School

1. Gather and interpret basic data contained in symbols, pictures, charts, blueprints and graphs.
2. Collect and analyze information from multiple sources.
3. Generate and organize ideas on a technical or specialized topic.

High School

1. Gather, interpret, analyze and refine data contained in symbols, pictures, charts, blueprints, and/or graphs.
2. Analyze and synthesize information and data from multiple sources.

Content Standard 9: All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies.

High School

4. Describe the technical systems related to a career interest area.



Apprentice Lesson Plan Standards Alignments

OHIO CONSTRUCTION TECHNOLOGIES CAREER FIELD TECHNICAL CONTENT STANDARDS

Competency 1.7: Explain apprenticeships and their role in the construction industry.

Descriptor 1.7.1: Define apprentice, apprenticeships, and apprenticeable occupations

Descriptor 1.7.2: Define journeyperson and indentured

Correlated English Language Arts Academic Content Benchmarks:

- Use context clues and text structures to determine the meaning of new vocabulary.
- Use multiple resources to enhance comprehension of vocabulary.