

# Construction Trades 1

Apply safety principles, practices, philosophy, and guidelines to the work environment. STS.HS.10.1

- a Complete applicable safety assessment with 100% accuracy. STS.HS.10.1.A
- b Employ appropriate Personal Protective Equipment (PPE) while in the lab setting. STS.HS.10.1.B
- c Employ eye protection in compliance with Neb. Rev. Statute 79-715. STS.HS.10.1.C
- d Employ the safe application of tools and machines. STS.HS.10.1.D
- e Explain the main hazards that are possible in the lab setting. STS.HS.10.1.E
- f Demonstrate proper handling and storing of materials. STS.HS.10.1.F
- g Demonstrate proper use of a ladder. STS.HS.10.1.G

Identify career opportunities in the construction industry. STS.HS.10.2

- a Describe work behaviors needed to be employable. STS.HS.10.2.A
- b Identify employment trends in various construction sectors (e.g., residential, commercial, industrial, energy, green technologies, etc.). STS.HS.10.2.B
- c Identify the responsibilities and characteristics of professionals in the construction industry STS.HS.10.2.C
- d Identify the training, education, certification, and licensing requirements for various careers in the construction industry. STS.HS.10.2.D

Demonstrate use of construction communications. STS.HS.10.3

- a Interpret construction terminology. STS.HS.10.3.A
- b Identify construction tools and equipment. STS.HS.10.3.B
- c Interpret construction plans, drawings, and schedules. STS.HS.10.3.C

Summarize building systems and components. STS.HS.10.4

- a Identify construction materials needed to complete a project (i.e., dimensional, engineered, and steel. STS.HS.10.4.A
- b Identify different types of fasteners, adhesives, and finishes needed to complete a project. STS.HS.10.4.B

Demonstrate the building

- a Identify, receive, and inspect materials. STS.HS.10.5.A

**process** STS.HS.10.5

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**b** Apply math functions and formulas to complete tasks. STS.HS.10.5.B

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**c** Correctly and accurately use tools and equipment to perform material takeoff (MTO) from the drawings and meeting specifications. STS.HS.10.5.C

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**d** Construct a project using dimensional, engineered, or steel components. STS.HS.10.5.D