

**Unit:** Safety

**Title:** Introduction to Safety

**Skill(s) and Knowledge:** Students will be able to: Explain the importance of safety. Distinguish between hazards, accidents, and injuries. Identify the kinds of mistakes that lead to accidents and injuries. Summarize the methods for preventing accidents. Support the training procedures required to promote safety.

**Tasks:** Demonstrate the proper use of PPE (Personal Protective Equipment) and describe how and why each item is used, such as: safety glasses, work boots, long pants, hard hats, gloves, ear protection, and high visibility vests. Identify the location of the first aid kit, eye wash station and procedures used if an injury should occur.

**Performance objective:** To demonstrate the importance of safety by describing the types of accidents that can occur and the methods of accident prevention, including identification of hazards, proper use of PPE and others like these.

**Tools, supplies and reference materials:** Shop or Jobsite with staged hazards for students to identify. Career Connections Project Book 2, pages: 3-25.

**Methods of instruction:** Demonstration on how to identify hazards, lecture on safe work habits and attitudes. Field trip to a jobsite or the Union Training Hall to see the task performed by professional carpenters.

**Estimated time:** 2 hrs. **Number of students:** 10-15

**Task analysis or activities:** Students will act as inspectors and search the shop or jobsite for hazards and offer suggestions for correcting the infractions. Or act out a skit of a mock injury giving students different roles to play, reinforcing what actions need to be taken in the event of an injury.

**Evaluation:** Students will be graded on their use of time, safety methods, quality of work, cleaning and organization of their work area, interaction with other students, and vocational employability skills grading rubric. Manipulative skills assessments and written evaluations.

**Performance Notes:**

**Vocational Frameworks References**

1.A.02.03 Identify, describe and demonstrate personal, shop and job site safety practices and procedures.

1.A.02.04 Demonstrate safe dress and use of relevant safety gear, personal protective equipment (PPE) and ergonomics, e.g., wrist rests, adjustable workspaces, equipment, gloves, proper footwear, earplugs, eye protection and breathing apparatus.

1.A.02.05 Demonstrate appropriate safe body mechanics, including appropriate lifting techniques and ergonomics.

**English/Strand 3 Frameworks References:**

RST Grades 9-10 #4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases in a technical context.

**Frameworks References: Math****Common Core References:**

Read and listen critically for information understanding and enjoyment

Set goals and achieve them by organizing time, workspace, and resources effectively

Work both independently and in groups

**SCANS references:****Foundation Skills:**

1. Basic skills— reading, writing, mathematics, speaking, and listening.
2. Thinking Skills-- thinking creatively, making decisions, solving problems, visualizing, knowing how to learn, and reasoning
3. Personal qualities--individual responsibility, self-esteem, sociability, self management, and integrity

**Work Place Competencies**

1. Resources--allocating time, money, material, space, and staff.
2. Interpersonal skills--working in teams, teaching others, serving customers, leading negotiating, and working well with culturally diverse populations.
3. Information--acquiring and evaluating data, organizing and maintaining files, interpreting & communicating, and using computer to process information
4. Systems--understanding social, organizational, and technological systems, monitoring and correcting performance, and designing or improving systems.
5. Technology--selecting equipment and tools, applying technology to specific tasks, and maintaining and troubleshooting technologies.