

Applied Carpentry 40S

In this course, students will synthesize knowledge, skills, and attitudes learned in previous courses to complete projects. They will also prepare for Level 1 accreditation with Apprenticeship Manitoba, and demonstrate knowledge of the "Trade Safety Awareness Manual".

Safety and Terminology:

- 1) Demonstrate an understanding of and adherence to health and safety practices
- 2) Identify safety and health requirements
- 3) Identify electrical safety
- 4) Identify ergonomics
- 5) Identify hazards of confined space entry
- 6) Identify first aid/CPR
- 7) Identify and control hazards
- 8) Explain the importance of trade safety and health in reducing injuries and fatalities to young employees in Manitoba
- 9) Describe the rights and responsibilities of employees, employers, and supervisors under "The Workplace Safety and Health Act"
- 10) Describe the steps to use in the "Right to Refuse" process
- 11) Explain how and where to find information on workplace safety and health
- 12) Demonstrate how to handle potentially dangerous work situations
- 13) Explain the S.A.F.E. acronym
- 14) Define workplace safety and health hazards
- 15) Give examples of trade-specific workplace safety and health hazards
- 16) Give examples of five types of safety and health hazards
- 17) Define workplace safety and health risk
- 18) Give examples of trade-specific workplace safety health risks
- 19) Explain the principles of hazard recognition and control as they apply to carpentry
- 20) Explain the "Workplace Hazardous Material Information System" (WHMIS)
- 21) Match the WHMIS hazardous materials symbols and their meanings
- 22) Describe the importance of the "Material Safety Data Sheet" (MSDS)
- 23) Describe the importance of using "Personal Protective Equipment" (PPE)
- 24) Demonstrate the proper selection and use of a variety of personal protective equipment and fall protection system
- 25) Outline the safety principles for working on and around electrical equipment
- 26) Outline the workplace fire safety principles
- 27) Identify the hazards in confined spaces and the preparation needed to work in a confined space
- 28) Identify types of gas, diesel, and powder-actuated tools and equipment, and material-handling equipment, and describe their applications and procedures for use

- 29) Describe the procedures used to inspect, maintain, and store gas, diesel, and powder-actuated tools and equipment, and material-handling equipment.
- 30) Demonstrate the use of gas, diesel, and powder-actuated tools and equipment, and material-handling equipment.
- 31) Identify types of hoarding and describe their purpose and applications, and the associated equipment and materials used to construct hoarding
- 32) Identify types of lifting, rigging, and hoisting equipment and accessories, and describe their applications, limitations, and procedures for use
- 33) Identify the considerations and procedures used for installing, securing, dismantling, storing, and maintaining temporary access structures
- 34) Identify the methods of communication used during lifting, rigging, and hoisting operations, and describe their associated procedures
- 35) Identify the considerations when modifying existing scaffold structures and describe the procedures used
- 36) Demonstrate the identification, use, and management of fasteners and adhesives
- 37) Identify documentation related to modifications of drawings and specifications, and describe their applications
- 38) Explain resolution protocols to follow when a conflict is identified within a set of project documents
- 39) Demonstrate the literacy skills required to participate fully in the construction or renovation of a structure
- 40) Demonstrate the process of assembling projects
- 41) Demonstrate the layout, measurement, and assembly skills and knowledge required to participate fully in the construction or renovation of a structure

Ethical and Legal Expectations:

- Discuss instances when carpenters performed their responsibilities unethically, along with the ensuing consequences

Employability Skills:

- Demonstrate regular attendance and punctuality
- Demonstrate accountability by taking responsibility for own actions
- Demonstrate adaptability and effort
- Demonstrate the ability to accept and follow direction and feedback
- Demonstrate teamwork skills
- Demonstrate the ability to stay on task and effectively use time

Critical Thinking:

- Demonstrate the ability to solve complex, multi-stage problems related to the design, construction, and/or renovation of structures

Different Cultures

- Demonstrate respectful interactions with individuals of different cultures

Structure and Scope

- Describe the structure and scope of the modern carpenter trade

Apprenticeship, Post-Secondary Education, and Employment Opportunities

- Describe the Apprenticeship Manitoba carpenter program
- Describe special challenges and opportunities regarding apprenticeship training
- Demonstrate an awareness of accommodations for apprentices with disabilities

Digital Citizenship

- The use of cell phones may be used discretely if students are completed with the classroom assignments. If the use of cell phone disrupts other students, it will be taken away from the student by the instructor and given back at the end of class. If this type of behavior keeps reoccurring, the instructor may ask the student to leave device in locker for the length of the class until student earns the privilege again. Any further disciplinary actions may be taken to administration and parents may be notified.
- The use of cell phones is encouraged in the carpentry program as long as it is carpentry related and used in a safe manner. The students need to be aware of their surroundings when using cell phones in the shop and will be asked to keep clear of any machinery.

Assessment Outline:

General Safety	10%
Course Specific Folders	20%
Final Exam	10%
Projects	50%
Class Participation	10%
Total	100%

SVRSS 3-Step PPE Compliance Order - proper Personal Protective Equipment (PPE) is essential for safety in the Building Trades Shop (carpentry shop). **CSA Approved Safety boots or CSA approved toe caps (properly fitted to appropriate footwear) must be worn in the shop. Safety glasses must be worn in the Automotive shop.** If a student fails to comply with PPE requirements, the following steps will be followed:

Step #1: Reminder & Documentation

- The student will be reminded to wear their PPE. PPE will be provided for duration of class
- An entry log will be made in **PowerSchool**, recording that the student was non-compliant and asked to wear their required gear.
- The teacher will explain the importance of PPE and the potential risks of non-compliance.

Step #2: Parent/Guardian Contact

- If the student is reminded to wear PPE again, the teacher will call the student's **parent/guardian** to inform them of the issue. A log entry of this will be made as well. PPE will be provided for the duration of class.
- The teacher will explain the importance of PPE and the potential risks of non-compliance.

Step #3: Office Referral & Potential Removal

- If the student is reminded to wear PPE a third time, they will be **sent to the office** for further action, which will include a parent/guardian, student, teacher and administration meeting.
- The student **may be removed from Vocational programs** for failing to meet minimum safety requirements.

By signing below, I acknowledge that I understand and agree to comply with these PPE requirements.

Student Name: _____

Parent/Guardian Name: _____

Student Signature: _____

Parent/Guardian Signature: _____

Date: _____

Date: _____