

Carpentry Fundamentals 20S

This course gives students a broad, introductory overview to the carpentry cluster. Students will develop basic knowledge, skills, and attitudes related to carpentry.

Safety:

- 1) Demonstrate an understanding of and adherence to health and safety practices
- 2) Identify personal protective equipment (PPE) and procedures
- 3) Identify hazards and describe safe work practices pertaining to handling wood and wood products
- 4) Identify safety requirements as they apply to WHMIS with emphasis on the following:
 - a) WHMIS as a system
 - b) Provincial regulation under the Safety and Health act
 - c) Federal Hazardous Products Act
 - d) WHMIS generic training
 - e) Description of WHMIS (include varieties of WHMIS certification)
- 5) Identify hazards and describe safe work practices pertaining to handling wood and wood products
- 6) Identify hazards and describe safe work practices pertaining to handling non-wood products
- 7) Define terminology associated with wood and wood products
- 8) Identify hazards and describe safe work practices pertaining to tools and equipment
- 9) Identify hazards and describe safe work practices pertaining to handling non-wood products
- 10) Identify hazards and describe safe work practices pertaining to tools and equipment

Terminology and Skills:

- 11) Define terminology associated with tools and equipment
- 12) Identify tools and equipment
- 13) Identify the factors to consider when selecting tools and equipment
- 14) Identify fasteners and adhesives
- 15) Demonstrate the identification use and management of fasteners and adhesives
- 16) Demonstrate an awareness of project drawings
- 17) Define terminology associated with project drawings and specifications
- 18) Identify drafting instruments and describe their applications and procedures for use
- 19) Identify drawing projections and views, and describe their applications
- 20) Demonstrate basic sketching techniques
- 21) Transfer information from drawings to projects
- 22) Demonstrate the skills required to lay out project
- 23) Demonstrate the skills required to measure accurately

- 24) Demonstrate the skills required to measure efficiently and accurately, to the 1/16th of an inch
- 25) Demonstrate the skills required to prepare and assemble a project
- 26) Perform basic arithmetic operations
- 27) Perform linear measurement
- 28) Apply geometrical principles

Ethical and Legal Standards:

- Demonstrate an awareness of ethics and its place in the workplace
- Demonstrate an awareness of the existence of building codes, guidelines, and codes of practice within the building industry

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 problem-solving skills
- Demonstrate an awareness of critical thinking

Structure and Scope:

- Demonstrate an awareness of the scope of interior and exterior finishing

Awareness of Sustainability and Human Sustainability:

- Discuss sustainability as it relates to human health and well-being
- Define sustainability as it relates to human health and well being

Sustainability Practices:

- Demonstrate an awareness of wood and wood products as limited resources
- Demonstrate an awareness of the opportunities to reduce waste and reuse materials

Structure and Scope:

- Demonstrate an awareness of the scope of carpentry

Apprenticeship, Post-Secondary Education, and Employment opportunities:

- Demonstrate an awareness of opportunities in carpentry

Technological Progression and Emerging trends:

- Demonstrate and awareness of the evolution, technological progression, and emerging trends in the interior and exterior finishing

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:** _____