

# **Framing 30S**

*In this course, students will learn basic framing techniques. It includes many of the objectives found in Carpenter Level 1, Unit A6: Wood and Wood Products, From Apprenticeship Manitoba.*

## **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

## **Terminology and Skills:**

- 4) Interpret codes, regulations, and information found on drawings and specifications pertaining to wood and wood products
- 5) Identify types of wood, and describe their characteristics and applications
- 6) Identify types of wood products, and their characteristics and applications
- 7) Identify wood defects
- 8) Describe wood processing
- 9) Describe the procedures used to select, handle and store wood products
- 10) Identify hazards and describe safe work practices pertaining to tools and equipment
- 11) Demonstrate the identification, use, and management of fasteners and adhesives
- 12) Interpret codes, regulations, and specifications pertaining to project drawings, specifications, and trade documentation
- 13) Identify types of specification documents, and describe their applications
- 14) Identify types of drawings, and describe their applications
- 15) Describe the procedures used to interpret and extract information from drawings and specifications
- 16) Demonstrate the skill required to lay out projects
- 17) Demonstrate the skills required to perform on-center
- 18) Demonstrate the skill required to align framing members
- 19) Demonstrate the skills required to align panel products
- 20) Calculate area/volume
- 21) Demonstrate proficiency in manipulating fractions, decimals, ratios, and percentages
- 22) Demonstrate proficiency in converting to and from metric and standard/imperial units of measure
- 23) Demonstrate an awareness of the ethical expectations of carpenters
- 24) Demonstrate an awareness of the existence of building codes and other local regulations related to framing

## **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 understanding of the use of critical thinking in carpentry

#### **Cultures:**

- Discuss and Define Culture

#### **Human Sustainability:**

- Identify sustainable practices that influence human health and well-being for carpenters

#### **Sustainability Practices:**

- Demonstrate the efficient use of materials

#### **Structure and Scope:**

- Demonstrate an awareness of the scope of framing

#### **Apprenticeship, Post-Secondary Education, and Employment Opportunities:**

- Demonstrate an awareness of employment opportunities in carpentry and in associated occupations

#### **Evolution of Carpentry and its Technological Progression and Emerging Trends:**

- Demonstrate an awareness of the evolution, technological progression, and emerging trends in framing

#### **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%
<b>Total</b>	<b>100%</b>

**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:** \_\_\_\_\_