



CONTEST DESCRIPTION

# Carpentry

POST-SECONDARY

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## **1 THE SKILLS FOR SUCCESS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY**

The Government of Canada has updated the previous Essential Skills framework to the new Skills for Success model in response to the evolving labour market and changing skill requirements. This model outlines nine fundamental skills Canadians need to thrive in work, education, training, and daily life.

Skills/Compétences Canada aims to highlight the importance of these skills, vital for success in trade and technology careers. Competitors can see how Skills for Success are integrated into contest descriptions, projects, and project documents. Recognizing these skills during the competition helps competitors match tasks with specific skills necessary for success and understand how these skills apply within their trade or technology programs and future careers.

The nine key Skills for Success, validated for workplace success, are:

1. Numeracy
2. Communication
3. Collaboration
4. Adaptability
5. Reading
6. Writing
7. Problem Solving
8. Creativity and Innovation
9. Digital

These Skills for Success are detailed in sections 2.3 and/or 3.2 (to be completed by SCC) of your Contest Description and, if relevant, in your Project and supporting documents.

## **2 CONTEST INTRODUCTION**

### **2.1 Description of the associated work role(s) or occupation(s)**

[https://www.skillscompetencescanada.com/en/skill\\_area/carpentry/](https://www.skillscompetencescanada.com/en/skill_area/carpentry/)

### **2.2 Purpose of the Challenge**

Assess the contestant's ability to accurately and safely complete certain carpentry tasks using generally accepted carpentry practices.

### **2.3 Duration of contest**

Full Competition 12 hours: Day One, 7 hours & Day Two, 5 hours.

### **2.4 Skills and Knowledge to be tested.**

- Quality, accuracy, and attention to detail while performing tasks necessary to complete project.

- Site housekeeping
- Ability to safely work to deadline and manage materials effectively.
- Pre-requisites: Work planning skills<sup>7</sup>, ability to interpret plans<sup>5</sup> and specifications includes (elevations, sections and details) ability to do trades math<sup>1</sup>, and proficiency in the safe use of hand and power tools.

Skills for Success - <sup>1</sup>Numeracy, <sup>5</sup>Reading, <sup>7</sup>Problem Solving

### 3 CONTEST DESCRIPTION

- 3.1 List of documents produced and timeline for when competitors have access to the documents on the Skills/Compétences Canada website

DOCUMENT	DATE OF DISTRIBUTION
Project (Isometric)	December 2024

- 3.2 Tasks that may be performed during the contest

- Project is to be built in metric measurement (plans will be metric only)<sup>1,5,7</sup>
- Measuring and laying out components<sup>1</sup>
- Cutting material
- Assembly of components<sup>7</sup>
- Construction to be traditional framing methods
- Construction may consist of floor, wall, roof systems and finishing<sup>7</sup>

Skills for Success - <sup>1</sup>Numeracy, <sup>5</sup>Reading, <sup>7</sup>Problem Solving

### 4 EQUIPMENT, MATERIAL, CLOTHING

- 4.1 Equipment and materials provided by Skills/Compétences Canada:

- 7 1/4" Cordless Circular Saw with blade
- Cordless Drill & Impact Driver
- Cordless Jig Saw with blade
- Required Batteries
- 2 sawhorses per competitor
- Minimum 2-step ladders available
- Speed Square
- 8m/26ft Tape Measure
- Block Plane
- 1" diameter x 6" wood spade bit
- #2 Robertson bit
- All required building materials and fasteners

- 4.2 Tools provided by the competitor:

- Carpenter's belt or apron

- 2' (maximum) level
- Calculator (Construction/Programmable calculators are NOT Allowed)
- Pencils and erasers
- Carpenter's hammer(s)
- Metric or Imperial Framing Square
- Stair/Square Gauges (Button Style)
- Combination square
- Chalk line
- Utility knife with blades
- Sanding block and 2 sheets of sandpaper
- # 2 Robertson bit
- Hand saw(s)
- Maximum 1-½" wood chisel(s)
- Sliding T-bevel
- Cat's paw (nail puller)
- Clamps (overall length must be 18" or less)
- Nail sets
- Drill Bits (Drill Index) 1/16" – ¼" Bits
- Compass

**COMPETITORS WILL BE LIMITED TO THE USE OF THE MATERIALS AND EQUIPMENT LISTED ABOVE IN 5.1 AND 5.2. ALL OTHER MATERIALS AND EQUIPMENT WILL BE REMOVED FROM THE SKILL AREA.**

NOTE:

Items **Not** Allowed During Competition:

- Premade jigs or fixtures, power tool accessories, homemade tools, or written notes.

#### 4.2.1 Toolboxes Guidelines

##### **TOOLS & TOOLBOXES WILL BE CHECKED DURING ORIENTATION**

One of the objectives of SCC is the sustainability of the Competition. As a result, the toolboxes brought by Competitors will be restricted to the following maximum specifications.

The Competitor toolbox must not exceed 1 meter<sup>3</sup> in volume. It can be multiple toolboxes, but the total of all toolboxes must not exceed the maximum volume indicated. There is no exception to this rule. If the Competitor toolbox is larger than what is indicated, the Competitor with the guidance of the NTC, will need to remove items from the toolbox and those items will not be used during the competition. All tools must fit inside one or more toolboxes. Tools outside of a toolbox will not be permitted.

#### 4.3 Required clothing provided by the competitor.

- Appropriate clothing for tasks to be performed.
- Sleeveless shirts, sweatpants and shorts are not permitted.

## 5 HEALTH AND SAFETY

### 5.1 Safety program

SCC has implemented a comprehensive safety program as health and safety is an integral part of our competitions. Our safety program includes guidelines and procedures to make the work environment in each skill area safer.

#### 5.1.1 Safety manual

As part of our program a safety manual has been created to monitor and document health and safety within each skill area. It includes a definite plan of action designed to prevent accidents. The safety manual will be provided for every skill and these instructions must be followed and respected by all participants and officials at the SCNC.

#### 5.1.2 Safety workshop

During orientation, Competitors will participate in a Safety workshop, and they will be expected to work and maintain a safe working area during the competition. Any Competitor breaking any health, safety, and environmental rules, may be required to undertake a second safety workshop, this will not affect the Competitor's competition time.

#### 5.3 List of personal protective equipment (PPE) provided by Skills/Compétences Canada

- N95 Dust Masks (Optional)
- Hearing Protection (Mandatory Use During Competition)

#### 5.4 List of personal protective equipment (PPE) provided by the competitor:

- CSA approved steel toed boots (Mandatory Use During Competition)
- Hard Hats (Mandatory Use During Competition)
- Safety glasses (Mandatory Use During Competition)
- Gloves (Optional Use During Competition)

**Note:** Competitors who do not have the required protective equipment will not be allowed to participate in the competition.

## 6 ASSESSMENT

### 6.1 Point breakdown

**Note:** This list is subject to change.

TASKS	/100
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Safety	10
Floor framing	15
Trim and finishes	25
Roof framing	25
Exterior structure	20
Efficient use of materials/Professionalism	5

## 7 CONTEST SPECIFIC RULES

Contest specific rules cannot contradict or take priority over the Competition Rules. They do provide specific details and clarity in areas that may vary from contest to contest. Any additional contest rules will be reviewed during the competitor orientation.

TOPIC/TASK	CONTEST SPECIFIC RULE
Drawing & Notes	<ul style="list-style-type: none"> <li>• The Drawings for the Project will be given to the competitors on the first morning of competition.</li> <li>• Up to 30% of the project may change from the project that is posted on SCC website and will be distributed at beginning of Day#1.</li> <li>• The Drawings must remain face down at the beginning of each day and after lunch until the start is called.</li> <li>• The Drawings must always remain in the skill area.</li> <li>• The Drawings will be returned to National Technical Committee (NTC) during lunch and at the end of each day of competition.</li> <li>• The Drawings will be numbered to match competitor's identification. Each competitor will have their original drawings returned to them.</li> <li>• Competitors are strictly prohibited to take any photos or make copies of the Drawings. Competitors will be expelled from the skill area for taking pictures.</li> <li>• Competitors will not be allowed to bring notes made outside of the competition area (Includes notes made prior to Competition and during break or lunch time).</li> <li>• Any notes taken during the competition must always remain on site.</li> </ul>
Schedule / Clean-up	<ul style="list-style-type: none"> <li>• Competitors must follow the Competition Schedule (Unless instructed by SCC/NTC).</li> </ul>

	<ul style="list-style-type: none"> <li>• Competitors who complete their project before time runs out, are required to clean up their area and return their Blueprints to an NTC to have their time recorded</li> <li>• Competitors will be required to help with ½ hour cleanup of tools, materials and skill area at end of day 2</li> </ul>
Leaving the site	<ul style="list-style-type: none"> <li>• Competitors, NTC, judges and interpreters are required to sign in and sign out if they leave the skill area for any reason outside of breaks and lunch</li> </ul>
Tools / Infrastructure	<ul style="list-style-type: none"> <li>• Competitors will be allowed time on Orientation Day to check their materials for quantity (as per competition materials list) and quality prior to the contest. If material is missing or wish to exchange a piece of wood, competitors must advise an NTC member.</li> <li>• Competitors must plan the use of their materials carefully. Competitors will be provided with just enough material to complete the project</li> <li>• Marks will be deducted if Competitors require extra material</li> <li>• Marks will not be deducted for natural defects in the material</li> <li>• All materials and tools must remain inside the marked construction area of each competitor</li> <li>• Competitors will have a maximum of 2 batteries at their construction station at any time</li> <li>• Batteries shall be exchanged as needed at the charging station</li> <li>• Extra blades for Circular &amp; Jig Saw will be provided at request</li> <li>• Competitors will not be allowed to bring pre-made jigs and/or templates to the skill area.</li> </ul>
Use of technology - personal laptops, tablets and mobile	<ul style="list-style-type: none"> <li>• Competitors are not allowed to bring personal laptops tablets or mobile phones into the skill area</li> <li>• National Technical Committee (NTC) members, Interpreters and judges are allowed to use personal devices into the skill area with permission of the Chair</li> </ul>

## 8 ADDITIONAL INFORMATION



## 8.1 Interpreter

If a competitor requires the help of an interpreter once onsite during the competition, the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this service may not be guaranteed.

## 8.2 Ties

- Tiebreaker #1: The competitor with the highest score in the safety criteria will be declared the winner.
- Tiebreaker #2: If tie remains, the competitor with the highest score in the Roof Framing criteria will be declared the winner.
- Tiebreaker #3: If tie still remains, the competitor with the highest score in the efficient use of materials/professionalism criteria will be declared the winner.

## 8.3 Test Project change at the Competition

Where the Test Project has been circulated to Competitors in advance, NTC shall change a maximum of 30% of the work content. Please refer to the Competition Rules.

## 8.4 Competition rules

Refer to the competition rules of the Skills Canada National Competition which can be found on our website.

## 9 NATIONAL TECHNICAL COMMITTEE MEMBERS

MEMBER ORGANIZATION	NAME
Newfoundland and Labrador	Amos Pynn
Prince Edward Island	Donnie Brown
Nova Scotia	Josh Hiltz
New Brunswick	Craig Carlin
Quebec	Jovan Mercier-Montminy
Ontario	Nicole Ross
Manitoba	Jamie Cole
Saskatchewan	Bradley Dutka
Alberta	Paul Bettio – Co-Chair
British Columbia	Timothy Kasten
Yukon	Cory France – Chair
Northwest Territory	Mike McCloskey

Contact the Skills/Compétences Canada national secretariat for any questions or concerns: Nathalie Maisonneuve.