



CONTEST DESCRIPTION / DESCRIPTION DE CONCOURS

CARPENTRY

CHARPENTRY

SECONDARY AND POST-SECONDARY /
NIVEAU SECONDAIRE ET POSTSECONDAIRE

Table of Contents

| | |
|---|----------|
| 1. THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY | 3 |
| 2. CONTEST INTRODUCTION | 3 |
| 3. CONTEST DESCRIPTION | 4 |
| 4. EQUIPMENT, MATERIAL, CLOTHING | 4 |
| 5. SAFETY REQUIREMENTS | 6 |
| 6. ASSESSMENT | 6 |
| 7. ADDITIONAL INFORMATION | 6 |
| 8. NATIONAL TECHNICAL COMMITTEE MEMBERS | 7 |

1. THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY

SCC is currently working with Employment and Social Development Canada (ESDC) in order to bring awareness to the importance of Essential Skills that are absolutely crucial for success in the workforce. Part of this ongoing initiative requires the integration and identification of Essential Skills in contest descriptions, projects, and project documents. The next phase and very important aspect of our Essential Skills (ES) initiative is to provide an ES report card to each competitor at the Skills Canada National Competition. The purpose of the ES report card is to inform the competitor about their current level of essential skills based on their competition scores. With this knowledge, the competitor will be made aware which essential skill may require improvement. Full implementation is expected in the 2017 Skills Canada National Competition.

The following 9 skills have been identified and validated as key essential skills for the workplace in the legend below:

¹Numeracy, ²Oral Communication, ³Working with Others, ⁴Continuous Learning, ⁵Reading Text, ⁶Writing, ⁷Thinking, ⁸Document Use, ⁹Digital

These essential skills have been identified with in section 2.4 and/or 3.2 of your Contest Description. The top three Essential Skills for your area of competition have been identified on your Project and all other supporting project documents.

2. CONTEST INTRODUCTION

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

<http://skillscompetencescanada.com/en/careers/construction/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.

12 hours. Day one, 7 hours and 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.⁷
- Pre-requisites: Work planning skills, ability to interpret plans and specifications includes (elevations, sections and details), ability to do trades math¹, and proficiency in the safe use of hand and power tools.

3. CONTEST DESCRIPTION

3.1 List of documents produced and timeline for when competitors have access to the documents.

| DOCUMENT | DATE OF DISTRIBUTION VIA WEBSITE |
|--------------------------|----------------------------------|
| Test Project (isometric) | January, 2017 |

3.2 Tasks that may be performed during the contest

- Project is to be built in metric measurement (plans ⁸ will be metric only)⁷
- Measuring and laying out components¹
- Cutting material
- Assembly of components
- Construction to be traditional framing methods
- Construction may consist of floor, wall, roof systems and finishing⁷

Essential Skills – ¹Numeracy, ⁷Thinking (Job Task Planning and Organizing, Problem Solving), ⁸Document Use

4. EQUIPMENT, MATERIAL, CLOTHING

4.1 Equipment and material provided by Skills/Compétences Canada

- 6 1/2" Cordless Circular Saws - Stanley/Dewalt model: DCS391B
- Cordless Drill & Impact Driver - Stanley/Dewalt model: DCK290L2
- Cordless Jig Saw and blades - Stanley/Dewalt model: DCS331B & DW317K & DW3750H2
- 2 saw horses will be provided for each competitor - Stanley/Dewalt
- Minimum 6 foot step ladder available - Featherlite
- All required building material and fasteners
- Premium Quick Square
- 8m/26ft Fat Max Tape
- Battery 20V - Stanley/Dewalt model: DCB204
- Block Plane - Stanley/Dewalt
- 1" dia x 6" wood spade bit - Stanley/Dewalt model: DW1582
- Impact driver bits - Stanley/Dewalt model: DW2212C
- 3/8" HSS bradpoint drill bits - Stanley/Dewalt model: DW1710

COMPETITORS WILL BE REQUIRED TO USE THE MATERIAL AND EQUIPMENT PROVIDED BY SCC. ALL OTHER MATERIAL AND EQUIPMENT WILL BE REMOVED FROM THE SKILL AREA.

4.2 Equipment and materials provided by the competitor

Equipment recommended but not limited:

- Carpenter's belt or apron
- Measuring tape (metric)
- Calculator (programmable allowed)
- Lead pencils and erasers
- Carpenter's hammer(s)
- Framing square and stair gauges
- Combination square/speed square
- Chalk line
- Utility knife with blades
- Sanding block and 2 sheets 80 and 120 grit sand paper
- #2 bit driver for drill (for #8, #10 Robertson screws)
- Cross cut hand saw
- Wood chisels
- Sliding T-bevel
- Cat's paw (nail puller)
- Pair of 24" speed clamps
- Nail sets
- Pre-made jigs and or templates are not permitted

4.3 Required clothing (Provided by competitor)

- Appropriate clothing for tasks to be performed

5. SAFETY REQUIREMENTS

5.1 Safety workshop

Upon arrival at the Skill area, 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 environment rules, may be required to undertake a second safety workshop, this will not affect the Competitor's competition time.

5.2 List of required personal protective equipment (PPE) provided by Skills/Compétences Canada.

- N95 Respirators – McCordick
- Hearing Protection – McCordick

5.3 List of required personal protective equipment (PPE) provided by competitors

- CSA approved steel toed boots (green triangle)
- Hard Hats
- Safety glasses, mandatory to be worn at all times

Note: Competitors will not be allowed to compete if the above items are not brought and used with the exception of respiratory protection and gloves which is optional.

6. ASSESSMENT

6.1 Point breakdown

| POINT BREAKDOWN | Secondary /100 | Post-secondary /100 |
|--|----------------|---------------------|
| Safety | 5 | 5 |
| Floor framing | 15 | 15 |
| Trim and finishes | 25 | 25 |
| Roof framing | 30 | 30 |
| Exterior structure | 20 | 20 |
| Efficient use of materials/Professionalism | 5 | 5 |

7. ADDITIONAL INFORMATION

7.1 Consecutive translation

If consecutive translation is required on site, 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 might not be guaranteed.

7.2 Tie (No ties are allowed)

In the event of a tie, the competitor with the highest score in the safety criteria will be declared the winner. If necessary, time of completion will be used as the second tie breaker.

7.3 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.

7.4 Competition rules

Please refer to the competition rules of the Skills Canada National Competition.

8. NATIONAL TECHNICAL COMMITTEE MEMBERS

| Member Organization | Name | Email address |
|--------------------------|------------------|---------------------------|
| British-Columbia | Randy Callaghan | |
| Northwestern Territories | Mike McCloskey | |
| Yukon | Cory France | |
| Alberta | Anthony Lovell | |
| Saskatchewan - Chair | Cory Mohr | cory.mohr@saskpolytech.ca |
| Manitoba | Neil MacDonald | |
| Nunavut | Gerald Manning | |
| Ontario | Herb Grootenboer | |
| Québec | Justin Morin | |
| New Brunswick | Steven Austin | |
| Prince Edward Island | Donnie Brown | |
| Nova-Scotia | Arno Raymakers | |
| Newfoundland | Shauna Sutton | |