



## **27<sup>th</sup> ANNUAL SKILLS MANITOBA COMPETITION CONTEST DESCRIPTION APRIL 10, 2025**

*This is the scope and tool list. The project drawings posted will be a new project. This year's project will be like the scope project, but key dimensions and details will be changed for the actual project.*

*NOTE: Only cordless tools will be used on this project. The projects become the property of the competitors, so advisors must make prior arrangements for the removal of the projects so that they can be removed immediately after the competition.*

*NOTE: The competitors will not be allowed to leave the competition site during the competition and must not communicate with their advisors (teachers or parents) during the competition.*

**CONTEST NAME:** CARPENTRY

**CONTEST NO:** 26

**LEVEL:** Secondary

**NOTE:**

**Secondary Level:** 1 competitor per school – maximum of 8.

Each school with a Carpentry program will be allowed one competitor before any schools are allowed two competitors. Entries are on a “first come, first served” basis. If there are less than 8 competitors when registrations close, schools with a registered competitor may be allowed a second competitor.

**CONTEST LOCATION:** Notre Dame Campus Room T1-25

### **CONTEST START TIME AND DURATION:**

6 hours

Tool Drop Off between 7:00 and 7:30 a.m.

Orientation 7:45 a.m.

Start 8:00 a.m. Sharp

Lunch 11:30 a.m.

Finish 2:30 p.m.

Note: 6 working hours maximum plus 1/2 hour for lunch.

### **PURPOSE OF CHALLENGE:**

To assess the contestant's ability to conduct traditional carpentry tasks safely, accurately, and within an allotted time from a set of drawings.

### **SKILLS AND KNOWLEDGE TO BE TESTED:**

- Ability to interpret and follow plans and specifications
- Ability to use appropriate hand and power tools safely, accurately and proficiently
- Ability to demonstrate an appropriate standard of workmanship
- Ability to perform floor, wall and basic roof framing procedures:
  - Cut notches and bird's mouths with the portable saw & jig saw or handsaw
  - Make plumb cuts & seat cuts with the circular saw, and hand tools.
  - Layout rafters given slope, span, ridge board size and roof projection.

### **POINT BREAKDOWN / 100% TOTAL: Will be provided at Competition**

### **NATIONAL COMPETITION ELIGIBILITY:**

- A mark of **70% or higher** must be scored by the gold medalist in order to attend the National Skills Competition

### **EQUIPMENT, TOOLS, MATERIALS TO BE PROVIDED BY COMMITTEE:**

Sufficient materials to complete the project (care will be required in the selection of material to ensure the project can be completed – no additional materials will be provided.)

2 sawhorses will be provided for each competitor.

Contractor table saw will be the only tool provided by the competition.

### **EQUIPMENT, TOOLS, MATERIALS TO BE SUPPLIED BY COMPETITOR:**

The following list are additional tools to help each competitor be successful:

Cordless Circ saw	Cordless Impact Driver
Cordless Drill Driver	Wood Chisel
Carpenter's apron	Measuring tape (imperial only)
Hammer	Utility knife
Speed square	Framing square
Sliding T-bevel (optional)	Saw-protractor (optional)
Hand-saw	Chalk line or straight edge
2 - 12" F clamps	Calculator (not a cell phone)
2' or 4' level	Pencil
Flat-bar or wonder bar	Nail-puller
Nail set	Hand plane

Twist drill bits (up to 1/2")  
Sanding Block

Assortment of driver bits #2 Robertson/Philips

### **WORKSITE SAFETY RULES / REQUIREMENTS:**

Contestants must wear appropriate clothing and protective gear. CSA approved safety glasses, safety boots and hard hats must be worn. Hearing protection must be used where required.

### **SPECIAL CONDITIONS / ADDITIONAL INFORMATION:**

To be successful, contestants should be enrolled in a secondary level carpentry vocational program. Contestants should be proficient in blueprint reading, use of hand and power tools and have good knowledge of residential framing procedures. Contestants should also be able to lay out plumb cuts and seat cuts with a framing square and calculate rafter length given the span, slope, ridge board size and overhang projection.

### **THE IMPORTANCE OF SKILLS FOR SUCCESS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY;**

In response to the evolving labour market and changing skill needs, the Government of Canada has launched the new Skills for Success (former Essential Skills) model defining nine key skills needed by Canadians to participate in work, in education and training, and in modern society more broadly. SCC is currently working with Employment and Social Development Canada (ESDC) to bring awareness of the importance of these skills that are absolutely crucial for success in Trade and Technology careers. Part of this ongoing initiative requires the integration and identification of the Skills for Success in contest descriptions, projects, and project documents. The following 9 skills have been identified and validated as key skills for success for the workplace: 1.Numeracy, 2.Communication, 3.Collaboration, 4.Adaptability, 5.Reading, 6.Writing, 7.Problem Solving, 8.Creativity and Innovation, 9.Digital

### **FOR MORE INFORMATION, PLEASE CONTACT:**

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**Note: In order to prepare your students for this year's project, please refer to the Scope project from 2018-19, and 2023-24. I realize they are different projects, but initially this will give you an idea of what to expect. Scope will be posted by end of January.**