



## 2017 20<sup>th</sup> ANNUAL SKILLS MANITOBA COMPETITION CONTEST SCOPE

*This is the final scope and tool list. The project drawings posted are last year's project. This year's project will be similar, but key dimensions and details will be changed for the actual project.*

*NOTE: Only cordless power tools will be used for this project.*

*The projects become the property of the competitors, so advisors must make arrangements for the removal of the projects 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

**CONTEST START TIME AND DURATION:** 6 hours, starting at 8:00 a.m. sharp

**PURPOSE OF CHALLENGE:**

To assess the contestant's ability to conduct traditional carpentry tasks safely, accurately, and within an allotted time period 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 portable saw
  - Layout rafters given slope, span and overhang 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.

Stationary power tools such as table saws or radial-arm saws will not be available.

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

All power tools supplied by the competitor must be cordless, battery –powered tools. Competitors should supply a charger and additional batteries.

carpenter's apron

hammer

speed square

sliding T-bevel

hand-saw

2 - 12" bar clamps

calculator

chalk line or straight edge

measuring tape (imperial only)

utility knife

framing square

saw-protractor

cordless portable circular saw

cordless jig saw

battery charger and extra batteries

**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 and overhang projection.

**FOR MORE INFORMATION, PLEASE CONTACT:**

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