



2018 21st ANNUAL SKILLS MANITOBA COMPETITION CONTEST DESCRIPTION

CONTEST NAME: Cabinet Making

CONTEST NO: 24

CATEGORY: Secondary - 8 competitors

CONTEST LOCATION: Red River College - Notre Dame Campus - B124

CONTEST START TIME AND DURATION:

Start time is 7:30 AM sharp. An alternate start time may be arranged 4 weeks prior to competition date. Contest duration will be 7 hours.

PURPOSE OF CHALLENGE:

To assess the contestant's knowledge and skills in cabinetmaking by understanding and reproducing a specific cabinetmaking specialty by following a detailed set of shop drawings.

SKILLS AND KNOWLEDGE TO BE TESTED:

- Ability to derive sizes and relationships from blueprint shop drawings
- Quality construction of a cabinetmaking specialty
- Ability to demonstrate time management and complete project under deadline
- Compliance with safety regulations and the proper use of safety equipment

POINT BREAKDOWN / 100 TOTAL:

- Safety / Work habits /5
- Conformance with specifications and accuracy of measurements /20
- Quality of joints (marked before gluing) /20
- Quality of assemblies /15
- Quality of sanding/15
- Squaring/10
- Fitting /10
- Material usage /5
- Material Used: 1st part exchanged=minus 4 points

Every part afterward=minus 2 marks

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:

- Table saw c/w blades
- Mitre saw
- Router
- Workbench with vice
- Bar clamps
- All project materials (wood, glue, dowels, sandpaper, etc.)
- Edge sander
- Portable power drill
- Drill press
- 3/8 dowel jig
- Mortise machine

Contestants are NOT to bring portable power tools

EQUIPMENT, TOOLS, MATERIALS TO BE SUPPLIED BY COMPETITOR:

- Steel-toe footwear
- Hearing protection
- Protective eyewear
- Suitable work clothes(no muscle shirts and no shorts)
- Screwdriver driver bits(Robertson #6 & #8 screws)
- Metric Tape Measure
- Hammer or mallet
- Block plane
- Sanding block
- Chisel set
- Pencil, eraser, calculator
- Drill bit set(including 3/8 drill bit)
- Sliding t bevel
- 3/8 dowel jig
- Screwdrivers(basic set)
- Dovetail or back saw
- 19 mm masking tape
- utility knife
- cabinet hand scraper
- 2 files (round & flat)

Contestants may bring any other hand tools they use on a regular basis, but must have them approved by the provincial technical committee at the orientation session.

WORKSITE SAFETY RULES / REQUIREMENTS:

- must wear steel toe footwear
- must wear hearing and eye protection
- must follow industry standard safety rules and regulations

SPECIAL CONDITIONS / ADDITIONAL INFORMATION:

To be successful competitors should be enrolled in a secondary level woodworking program. He/she should be proficient in blueprint reading and use of hand, power and stationary woodworking tools and have good knowledge of construction procedures.

If a competition results in a tie, the projects involved will be re-evaluated on a half point basis to conformance to drawings and accuracy of measurements.

THE IMPORTANCE OF ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES;

Essential skills are used in nearly every job and at different levels of complexity. They provide the foundation for learning all other skills and enable people to evolve with their jobs and adapt to workplace change. Good Essential Skills means you will understand and remember concepts introduced in technical training. The level of Essential Skills required for most trades is as high as or higher than it is for many office jobs.

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

Numeracy, Oral Communication, Working with Others, Continuous Learning, Reading Text, Writing, Thinking, Document Use, Digital.

Top Essential Skills for Cabinetmaking: Document Use, Numeracy, Thinking: Problem Solving, Decision Making

FOR MORE INFORMATION PLEASE CONTACT TECHNICAL COMMITTEE MEMBER:

Todd Birtwhistle, Red River College, Winnipeg
(204) 632-3024

Vern Bergen, Red River College, Winnipeg
(204) 632-2344

PLEASE NOTE: Plans for the project are available from the committee 4 weeks prior to the Provincial competition