



Provincial Scope Document

CABINETMAKING (Secondary) 2008

Contest Length: 6 hrs

Check in time: 8:00

Contest Start: 8:30

Contest Sponsor: Reimer Hardwoods

Purpose of the Challenge:

To assess the contestant's knowledge and skill in cabinetmaking by building a simple project from a provided drawing.

Skills & Knowledge to be Assessed may include:

- Safety and safety equipment practices
- Structure, properties and uses of wood and other cabinetry materials such as:
 - veneer
 - fiberboard
 - particle board
 - hardboard
 - plywood
 - adhesives
 - abrasives
 - hardware
 - metal fastenings
- Design and construction of cabinetry products
 - The set-up and safe operation of basic wood working machines, portable power tools and hand tools
 - The project may consist of dowel joints, mortise and tenon joints, biscuit joints, dado joints and other wood joints. Other skills like cutting shapes, routering, drilling etc. may also be included.
 - The demonstration of sound machining, sanding, and assembly techniques in the building of a simple project to an acceptable standard

Specific Requirements:

Plan to arrive one hour ahead of the contest start time for registration (8:00am) and to set up your tools on the assigned bench. You may be sharing a bench with someone else. This will allow you to have a chance to try out the portable power tools prior to the start of the contest.

- All competitors will be given a blueprint of a simple project to be built. Further rules and clarification will also be given at this time.
- Once work on the project begins you are to work by yourself and not discuss the project with anyone but the judges. The project changes each year.
- A lunch break (1/2 hr approx.) will be given and then work will resume until ending time.
- If a mistake is made and you wish to have a new piece of wood, please get it from a judge who will record this error and marks will be deducted from your score. Critical pieces such as table tops, gable ends or other large pieces we may or may not be able to replaced. In these cases mistakes should be fixed or adjustments be made in order to complete the project
- Since time is limited, your solid wood may already be planed to thickness.
- During the contest, some joints may need to be marked by the judges prior to you gluing them together. Please read all your documentation that you receive on the day of the contest.
- Plan your work accordingly so that the judges may mark your joints and return them to you when they are done.
- All work to be done on site

Safety Instructions:

Must know and comply with minimum industry safety standards at all times. Contestants will not be allowed to compete without the required safety equipment.

Contestants must wear the appropriate clothing and safety equipment: CSA approved steel toe footwear, protective eye wear and ear protection.

Equipment / Tools / Materials

Supplied by Committee:

- Table Saw (equipped with necessary blades)
- Electric drills (cordless)
- Chop Saw (with a finishing blade)
- Router with router Table
- Portable routers
- Work Bench with Vise
- Jig Saw
- All project materials
- Belt sander
- Portable Orbital sander

Supplied by Contestant:

- CSA approved Steel toe footwear (no running shoes)
 - CSA approved eye protection and ear protection
 - Suitable clothes, long pants, long or short sleeved shirts (No muscle shirts, or jewelry)
 - Carpenter belt, overalls or work apron
 - Tape measures (metric and imperial)
 - Combination square and a large steel square
 - Hammer (finishing) and Mallet
 - Utility knife or striking knife
 - Jointer, Smoothing and Block plane
 - Sanding block
 - Nail sets
 - Chisels 1/4, 3/8, 1/2, 3/4, 1"
 - Pencil and eraser
 - Calculator (non- programmable)
 - Router bits 1- 1/4" shank - any profile for a shaped edge. 1- Straight 1/4" bit
 - Drill Bits (set 1/16" to 3/8")
 - Marking Gauge
 - Dovetail Saw
 - Screw drivers (Slotted, Phillips, Robertson)
 - Files/rasps (1/2, 1/2 round, flat)
 - Dowel Centers (1/4" and 3/8")
 - Bar clamps – qty 4 (that can reach at least 14") and other desired clamps
 - Other hand tools may be used.
 - The above is a suggested minimum tool list.
- No other power tools may be used.

Judging / Distribution of Marks

- Safety / Work habit (marks deducted for unsafe work habits)
- Accuracy, quality, machining, assembly, sanding, conformation to drawing
- A detailed mark sheet will be given to you prior to the beginning of the competition

Technical Committee

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Technical Chair

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Gold medal winners at the BC Skills Competition are eligible to compete at the Canadian Skills Competition May 25-28, 2008, Calgary, Alberta.

Skills Canada BC reserves the right to make changes to the scope document. Please check the website for updates.