



2012 Nova Scotia Skills Competition

Official Competition Name: **Cabinet Making**
 Competition Level: **Post-Secondary**
 Competition Location: **NSCC Pictou Campus**
 Competition Date: **March 22, 2012**

Purpose of Challenge:

To assess the contestant's knowledge and skills in cabinet making by building a project from a drawing provided

Number of Stations:

4

Specific spots allotted to Campuses and Apprentices:

School/Campus/Apprentice	Number of available spots
Akerley Campus	
Annapolis Valley Campus	
Burridge Campus	
Cumberland Campus	
Halifax Campus	
Institute of Technology Campus	
Kingstec Campus	
Lunenburg Campus	
Marconi Campus	2
Pictou Campus	2
Shelburne Campus	
Strait Area Campus	
Truro Campus	
Apprentices	
Universities	
Private Career Colleges	

Skills and knowledge to be tested:

- Working properties of wood and use of other materials such as veneer, fibreboard, particleboard, plywood, adhesives, abrasives, hardware, metal fastenings.
- Construction of cabinetry product.
- Compliance with safety regulations and use of safety equipment.

Note: Drawings and blueprints are metric and are drawn to scale.

Specific requirements:

- Set-up and safe operation of woodworking machines, portable power tools and hand tools.
- Demonstration of machining, sanding and assembly techniques in the building of a project to an acceptable standard.
- During competition all material, equipment, plans and work must remain on site.
- No wood putty may be used at any time during the competition.

Health and Safety:

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: steel-toe footwear, protective eyewear and ear protection.

Prerequisites:

Participants must be in good standing in a post-secondary cabinetmaking or wood products manufacturing program, or have standing as an apprentice cabinetmaker or equivalent.

Equipment, tools, supplies, clothing:

Equipment supplies by the Committee:

- Table saws c/w 2 blades (1 comb., 1 ply)
- Mitre saw
- Router (table-mounted and bits)
- Work bench with vise
- Jig saw
- Bar clamps
- Biscuit joiner
- All project materials (glue, dowels, sandpaper etc.)
- Portable power drill

Contestants are NOT to bring portable power tools. Contestant should supply:

- Steel-toe footwear
- Protective eyewear
- Suitable work clothes (no muscle shirts or shorts)
- Screwdriver bits for Robertson #6 and #8 screws
- Tape measure (**with metric**)
- Combination square
- Hammer
- Mallet
- Block plane
- Sanding block
- Nail set
- Chisels (1/4", 1/2", 3/4", 1")
- Pencils and eraser, calculator
- Drill bits (set of 3 mm to 8 mm)
- Sliding T-bevel
- 2 files (round and flat)
- Trammel Points
- Marking gauge
- Dovetail or back saw

- Screwdrivers (basic set)
- 3/8" dowel jig or Dowel pin
- 19 mm masking tape
- Utility knife
- Cabinet Scraper

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.

Point Breakdown:

POINT BREAKDOWN / 100 TOTAL

- Safety / work habits (5)
- Conformance with specifications & accuracy of measurements (20)
- Quality of joints – marked before gluing (20)
- Quality of assemblies (15)
- Quality of sanding (15)
- Squaring (10)
- Fittings (10)
- Material usage (5)

Score 0-10

- Perfect = 10 points
- Very good = 9 points
- Good = 8 points
- Rather good = 7 points
- Sufficient = 6 points
- Medium = 5 points
- Weak = 4 points
- Insufficient = 3 points
- Bad = 2 points
- Very Bad = 1 point
- Non-existent = 0 point

If a competition results in a tie, the projects involved will be re-evaluated on a half point basis for conformance to Drawings & Accuracy of measurements.

Technical Committee Member and Judges:

- Wayne MacDonald, Faculty (Cabinetmaking, NSCC – Pictou Campus)
- Adrian Wilson, Faculty (Wood Manufacturing, NSCC –Marconi Campus)
- D.A. MacDonald, Faculty (Wood Manufacturing, NSCC –Marconi Campus)