



21ST ANNUAL **TERRITORIAL COMPETITION**

CONTEST DESCRIPTION DOCUMENT

24- Cabinetmaking **Secondary & Post-Secondary Level** (NOTE: Scope may change without notice)

PURPOSE OF THE CHALLENGE

DURATION: 6 HOURS

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

SKILLS AND KNOWLEDGE THAT MAY 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
- Technical drawings are metric

Tasks that may be performed during the contest:

- Set-up and safe operation of woodworking machines, portable power tools and hand tools
- From the drawing provided, demonstrate handwork, machining, sanding and assembly techniques in the building of a project to a professional 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
- Must read and interpret drawings and documentation provided

ESSENTIAL SKILLS

Essential skills are used in nearly every job to varying degrees. They provide a foundation for learning all other skills and enable people to evolve with their jobs and adapt to workplace change. Good Essential Skills will help you understand and remember concepts introduced in technical training. The level of Essential Skills required for most trades is as high or higher that for many office jobs.

Of the nine skills that have been identified and validated as key essential skills for the workplace, this contest involves the following:

- | | | | | | |
|-------------------------------------|---------------------|-------------------------------------|--------------------|--------------------------|---------------------|
| <input type="checkbox"/> | Continuous Learning | <input checked="" type="checkbox"/> | Numeracy | <input type="checkbox"/> | Thinking |
| <input type="checkbox"/> | Digital | <input type="checkbox"/> | Oral Communication | <input type="checkbox"/> | Working with Others |
| <input checked="" type="checkbox"/> | Document Use | <input checked="" type="checkbox"/> | Reading Text | <input type="checkbox"/> | Writing |

EQUIPMENT, TOOLS, AND SUPPLIES

Provided by the competitor:

- Screwdriver bits (Robertson #2 screws)
- Tape measure (with metric)
- Combination square/Tri-square
- Hammer or wood mallet – not rubber
- Block plane
- Sanding block
- Chisels (1/4", 1/2", 3/4", 1")
- Pencils and eraser, calculator
- Drill bits (set of 1/16" to 3/8")
- 2 files (round and flat)
- Marking gauge
- Dovetail or back saw
- Screwdrivers (basic set) 0, 1, 2 Robinson drivers
- 3/8" dowel jig and Dowel centres
- Masking tape
- Utility knife
- Cabinet Scraper
- Veneer knife/saw
- 4C 6" deep clamps or quick grip clamps
- Contestants may bring any other hand tools they use on a regular basis, but must have
- them approved by the National Technical Committee at the orientation session
- No portable power tools accepted
- No pre-made project-specific jigs or tooling will be permitted

Competitors may bring any other hand tools they use on a regular basis, but must have them approved by the territorial Technical Chair at the orientation session. Competitors are NOT to bring power tools.

Contestants must supply and wear the appropriate clothing (no muscle shirts, shorts etc.)

Provided by the committee:

- Table saws c/w blades
- Mitre saws
- Project specific jigs
- Routers
- Work benches with vises
- Band saws
- Bar clamps
- All project materials (wood, glue, dowels, sandpaper etc.)
- Portable power tools
- Mortising machines
- Dust collectors
- Drill Presses
- Vacuum Bags
- Portable Sanders- Orbital
- Edge sander

SAFETY REQUIREMENTS

Failure to comply with safety regulations may result in disqualification or removal of the competitor from competition.

Personal protective equipment (PPE) provided by the competitors:

- Hearing protection
- CSA approved Safety shoes
- Safety Glasses

SCORING / POINT BREAKDOWN

Each competition station will have a stated maximum available point score. The actual point scores from each station will be added up to calculate an individual competitor's final total score for the competition. In the event of a tie, the written exam mark will be used to determine the winner.

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
POINT BREAKDOWN	/100

TECHNICAL COMMITTEE MEMBERS - JUDGES

Roger Nendsa- Technical Chair

Ideal Woodwork, Yellowknife

867-444-8274

Judges- TBA