



CONTEST DESCRIPTION / DESCRIPTION DE CONCOURS

CABINETMAKING EBENISTERIE

SECONDARY AND POST-SECONDARY /
NIVEAU SECONDAIRE ET POSTSECONDAIRE

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1 THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY

SCC is currently working with Employment and Social Development Canada (ESDC) in order to bring awareness to the importance of Essential Skills that are absolutely crucial for success in the workforce. Part of this ongoing initiative requires the integration and identification of Essential Skills in contest descriptions, projects, and project documents. The next phase and very important aspect of our Essential Skills (ES) initiative is to provide an ES report card to each competitor at the Skills Canada National Competition. The purpose of the ES report card is to inform the competitor about their current level of essential skills based on their competition scores. With this knowledge, the competitor will be made aware which essential skill may require improvement. Full implementation is expected in the 2017 Skills Canada National Competition.

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

¹Numeracy, ²Oral Communication, ³Working with Others, ⁴Continuous Learning, ⁵Reading Text, ⁶Writing, ⁷Thinking, ⁸Document Use, ⁹Digital

These essential skills have been identified with in section 2.3 and/or 3.2 of your Contest Description. The top three Essential Skills for your area of competition have been identified on your Project and all other supporting project documents.

2 CONTEST INTRODUCTION

2.1 Description of the associated work role(s) or occupation(s)

<http://skillscompetencescanada.com/en/careers/construction/cabinetmaking/>

2.2 Purpose of the Challenge.

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

2.3 Duration of contest.

13 hours

2.4 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.
- Technical drawings are metric.

3 CONTEST DESCRIPTION

3.1 List of documents produced and timeline for when competitors have access to the documents.

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Test Project (drawings)	January, 2017

3.2 Tasks that may be performed during the contest

- Set-up and safe operation of woodworking machines, portable power tools and hand tools.⁷
- From the drawing provided, demonstrate handwork, machining, sanding and assembly techniques in the building of a project to a professional standard^{1, 8}
- 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.⁸

Essential Skills – ¹Numeracy, ⁷Thinking (Problem Solving, Decision Making), ⁸Document Use

4 EQUIPMENT, MATERIAL, CLOTHING

4.1 Equipment and material provided by Skills/Compétences Canada

- Table saws c/w blades – General International
- Mitre saws - DeWalt
- Project specific jigs (templates if required)
- Routers - General International
- Router tables - General International
- Work benches with vises
- Band saws and Band saw blades 3/8, 6TPI - Canadian Woodworker
- Bar clamps
- All project materials (wood, glue, dowels, hand sandpaper 100,120,150 etc.)
- Portable power tools - DeWalt
- Mortising machines - General International
- Drill Presses - General International
- Vacuum Bags
- Portable Sanders
- Edge sander
- Biscuit machines
- 6" glue roller and glue roller tray - Canadian Woodworker
- Drill Bits 35mm Forstener - Canadian Woodworker model: CB35057R (Freud)
- 24" Bessey clamps - Canadian Woodworker
- Dust Collector - Canadian Woodworker model: CWI-DCP020H
- Mortising chisel 3/8" - Canadian Woodworker model: 70-940

- Mortiser Stand - Canadian Woodworker model: 75-045
- Mortiser - Canadian Woodworker
- 14" bandsaw - Canadian Woodworker model: CWI-B1512
- Drill press - Canadian Woodworker model: CWI-DP260
- Edge Sander - Canadian Woodworker model: CWI-S6089
- Router bit 3/8" Straight fluted (1/2" shank) - Canadian Woodworker model: 12-108 (Freud)
- 80 Tooth x 10" finishing blade - Canadian Woodworker model: DW7116
- Router Bit 1/2" Cove - Canadian Woodworker model: 18-126 Freud)
- Sia Starting kit sanding blocks - Canadian Woodworker
- Toggle Clamps - Canadian Woodworker
- Wood glue (bottle) - Canadian Woodworker
- CNC router - Canadian Woodworker
- Router bit 1/2" Chamfer - Canadian Woodworker model: 40-114 (Freud)
- Router table with router - Canadian Woodworker model: BD40-250-PK
- Sand Paper for Edge Sander 120 grit - Canadian Woodworker
- Sliding table accesory-Sawstop - Canadian Woodworker model: TSA-SA48
- Table saw Rip 30T blades 10" - Canadian Woodworker model: LM74M010 (Freud)
- Table saw dado set blades 8" - Canadian Woodworker model: SD308 Freud)
- Table saws – Sawstop - Canadian Woodworker model: PCS31230L
- Table saw Plywood 80T blades 10" - Canadian Woodworker model: LU80R010 (Freud)
- Sawstop 8" and 10" brake - Canadian Woodworker
- Sawstop throat plate Dado - Canadian Woodworker
- Magnetic catch - Canadian Woodworker
- Router bit 1/2" with 1/2" shank - Canadian Woodworker
- 5mm brad point drill bits - Canadian Woodworker
- 5mm shelf pins - Canadian Woodworker
- Orbital Sand paper 5" 120, 150 - Stanley/DeWalt model: DW4311 and DW4312
- Orbital Sander 5" - Stanley/DeWalt model: DWE6421
- #20 Biscuits - Stanley/DeWalt model: 5553
- 10" Miter Saw and Stand - Stanley/DeWalt model: DW716 and DWX725B
- 12" planer -portable bench - Stanley/DeWalt model: DW735S
- Biscuit Joiner - Stanley/DeWalt model: DW682K
- Portable Drill - Stanley/DeWalt model: DCD796D2
- Miter saw stands - Stanley/DeWalt model: DWX7252
- Drill bit 8mm - Stanley/DeWalt

COMPETITORS WILL BE REQUIRED TO USE THE MATERIAL AND EQUIPMENT PROVIDED BY SCC. ALL OTHER MATERIAL AND EQUIPMENT WILL BE REMOVED FROM THE SKILL AREA.

4.2 Equipment and material provided by the competitor

- Assorted driver bits
- 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)
- Dowel jig and Dowel centres
- Masking tape
- Utility knife
- Cabinet Scraper
- Veneer knife/saw
- 4 – 12" 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

4.3 Required clothing provided by competitor

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

5 SAFETY REQUIREMENTS

5.1 Safety workshop

Upon arrival at the Skill area, Competitors will participate in a Safety workshop and they will be expected to work and maintain a safe working area during the competition. Any Competitor breaking any health, safety and environment rules, may be removed from the competition.

5.2 List of required personal protective equipment (PPE) provided by Skills/Compétences Canada.

- Safety Glasses - McCordick

5.3 List of required personal protective equipment (PPE) provided by competitors

- Hearing protection
- CSA approved Safety shoes

6 ASSESSMENT

6.1 Point breakdown

POINT BREAKDOWN	/100
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

7 ADDITIONAL INFORMATION

7.1 Consecutive translation

If consecutive translation is required on site, the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this service might not be guaranteed.

7.2 Tie (No ties are allowed)

In the event of a tie, the competitor with the highest score in Conformance with specifications & accuracy of measurements criteria will be declared the winner.

7.3 Test Project change at the Competition

Where the Test Project has been circulated to Competitors in advance, NTC shall change a maximum of 30% of the work content. Please refer to the Competition Rules.

7.4 Competition rules

Please refer to the competition rules of the Skills Canada National Competition.

8 NATIONAL TECHNICAL COMMITTEE MEMBERS

Member Organization	Name	Email address
Yukon	Gerry Quarton	
Alberta	Mick McGowan	
Saskatchewan	Brad Peterson	
Manitoba - Chair	Todd Birtwhistle	tbirtwhistle@rrc.ca
Ontario	Doug Coleman	
Québec	Jonathan Arbour	
New Brunswick	Nick Maltais	
Nova Scotia	Wayne MacDonald	
Prince Eduard Island	Graham Hicken	
Newfoundland and Labrador	Kelly Tompkins	
British Colombia	Dave Dunn	