



2024 South West Regional Skills Canada Competition

Contest Description (Scope Document)

Lethbridge College

Saturday, March 16, 2024

EVENT: Cabinet Making	LEVEL: Secondary										
DURATION OF CONTEST: 6 HOURS	LOCATION: Lethbridge College TR 1840										
COMPETITION SCHEDULE: <table border="1"> <tr> <td>CHECK IN (FOUNDERS' SQUARE)</td> <td>7:30 A.M.</td> </tr> <tr> <td>ORIENTATION</td> <td>7:45 A.M.</td> </tr> <tr> <td>COMPETITION BEGINS</td> <td>8:00 A.M.</td> </tr> <tr> <td>LUNCH</td> <td>11:45 A.M. – 12:15 P.M.</td> </tr> <tr> <td>COMPETITION ENDS</td> <td>2:30 P.M.</td> </tr> </table>	CHECK IN (FOUNDERS' SQUARE)	7:30 A.M.	ORIENTATION	7:45 A.M.	COMPETITION BEGINS	8:00 A.M.	LUNCH	11:45 A.M. – 12:15 P.M.	COMPETITION ENDS	2:30 P.M.	REGIONALIZED: YES If YES, To compete at the Provincial Skills Canada Competition students must qualify at their Regional Skills Canada Competition.
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AWARDS CEREMONY INFORMATION: The awards ceremony will be held at 4:00 p.m. in the Swing Space (AN1804). It is open to the public, parents are encouraged to attend.											

PROJECT DESCRIPTION

The *Wall Cabinet* project is designed to provide an opportunity for contestants to demonstrate a variety of woodworking skills and abilities. The competent and safe use of hand tools, portable power tools and stationary power tools will be required to complete the project.

This project has two prominently displayed hand-cut dovetails for the top corners. The bottom shelf of the cabinet will be installed using a single size-20 biscuit, with the fixed shelf being glued into a dado cut into the sides. Through dowels will be used to install the hanging rail and to also reinforce the single dado. The top is oversized in width with a 45-degree chamfer on the front to add detail above the door. The door itself will be supplied over-sized with top and bottom pre-edged, students will be responsible for cutting the door to size and installing the remaining two edges. Students will also be required to install two non-mortise hinges in order to hang the door.

Proficiency in the Regional project will be a good building block to gain the skills necessary for the Provincial project.

SKILLS AND KNOWLEDGE TO BE TESTED

- Reading & interpreting drawings
- Planning work procedures
- Layout and cutting of dovetail joints with hand tools only
- Cutting components to size accurately with stationary power tools
- Efficient & effective glue up and assembly of project
- Ability to produce a clean and well-sanded project for evaluation

EQUIPMENT & MATERIALS

- Each competitor will receive one (1) project kit that contains the required materials and hardware to build the project. Any extra materials required by the competitor, in addition to what has been supplied in the project kit, will lead to an automatic deduction in that competitor's score.
- Competitors will not be allowed into the competition area without the required safety equipment, including CSA approved footwear – green triangle standard.
- Competitor tools will be provided by Lethbridge College; however, competitors are encouraged to bring their own hand tools. No pre-made jigs will be allowed, this includes pre-set dovetail markers and dowel jigs.
- Any tools not on the list below need to be approved by competition judges and/or committee members.
- No construction calculators are allowed.
- No cell phones are allowed.

Equipment and materials competitors must supply:

CSA approved footwear	Calculator (optional)
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Equipment & materials supplied by the committee:

HAND TOOLS	EQUIPMENT	SUPPLIES
Sanding Block	Table saw with mitre gauge or crosscut sled/mitre sled	All Material & hardware for project
Block plane		Limited extra pieces
Coping/Fret saw	Table saw with single blade	*extra materials for setup
Scratch awl	Router table	All adhesives
Square	Compound Miter saws	Masking tape
Sliding t- bevel	Drill Press / Cordless drills	Sandpaper (80-220 grit)
Dovetail saw	Laminate Trimmers	Necessary dowels & biscuits
Beveled chisels	Biscuit Joiners	Ear plugs/safety glasses
Workbench	Bar and f-clamps	Pencils (HB or 2H)
Steel ruler	All necessary router bits	
Combination square	All necessary drill bits	
Screw drivers	Plate joiner	
Pencil sharpener	18 & 23 gauge brad-nailers	
Mallet		
Metric tape measure		
Striking knife/utility knife		
Hand/cabinet scrapers		



Recommended Procedure List:

Instructors may set up some or all router and router table operations depending on the facility.

Dovetails - Hand cut, no power tools may be used in any part of this process. Dovetails will be evaluated pre- and post-assembly.

Dado for Case - Table Saw (multiple cuts) or router table (each with mitre gauge & auxiliary fence).

Biscuits for Lower Shelf - Biscuit joiner. Students should be familiar with how to check and adjust for proper setup.

Door Sizing - Table saw and/or mitre saw.

Door Edging - glue and clamped, finished with a flush trim bit on a laminate trimmer or block plane.

Chamfer for Top - Router table set up or laminate trimmer with material securely clamped.

No-mortise hinges - Hand drill and/or screwdriver with scrap case material to prop up door.

SAFETY

The health, safety and welfare of all individuals involved with Skills Canada Alberta are of vital importance. Safety is a condition of participation with Skills Canada Alberta and shall not be sacrificed for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

CLOTHING REQUIREMENT

It is important that competitors present a professional image and appearance. Appropriate work clothing must be worn to compete as inappropriate clothing may present safety risks. All clothing must be free of rips and tears, with no vulgar images or text. No loose fitting clothing or excessive jewelry. Casual wear such as shorts will not be permitted.

RELATED CAREER AND TECHNOLOGY STUDIES COURSES

Descriptions of all modules are located at the following website:

https://education.alberta.ca/media/160534/con_course_summaries_old.pdf

CON1010	CON1120	CON1130	CON1160
CON2130	CON2140	CON2170	

JUDGING CRITERIA

1. Dimensions	25%	
2. Joinery	45%	
3. Fit and Finish	30%	Overall Total 100%

***PLEASE NOTE: Unsafe work practices will result in points being deducted from the competitor’s overall score.**

***PLEASE NOTE: Any communication between spectators (including teachers, parents, chaperones, etc.) and competitors during the contest times may be seen as coaching and could result in points being deducted from the competitor’s overall score.**



TIE BREAKING PROCESS

The quality of the dovetails will determine the winner in the event of a tie. If the results are still inconclusive the quality of the remaining joinery will be used.

ADDITIONAL INFORMATION

Lunch will be provided for all competitors, teacher chaperones, judges, and volunteers. Unfortunately, all allergies may not be able to be accommodated for. Your lunch ticket will be in the back of your name tag.

PARKING INFORMATION & VENUE MAPS:

Please park in Lot V – there is no charge. Overflow will also be allowed in Lot P. A printable parking map of Lethbridge College can be found at: <https://lethbridgecollege.ca/document-centre/forms/facilities-management/parking-map>

REGIONAL REGULATIONS & POLICIES

A copy of the Skills Canada Alberta Regional Regulations & Policies can be found at the following link: <http://www.skillsalberta.com/policies-and-procedures>

COMMITTEE MEMBERS

Tyrel Churko	Lethbridge College
Brody Forster	Lethbridge College
Zac Harris	Matthew Halton High School
Ryan Kaustinen	Lethbridge College
Holly Lehbauer	Career Transitions
Corby Pankhurst	Community Member
Shawn Scotney	Lethbridge College
Judy Stolk-Ingram	Career Transitions
Leon Wensmann	Community Member
Tara Yagos	Career Transitions