



2023 Regional Skills Canada Competition



2023 South West Regional Skills Canada Competition

Contest Description (Scope Document)

Lethbridge College

Saturday, March 18, 2023

EVENT: Cabinet Making		LEVEL: Secondary
DURATION OF CONTEST: 6 HOURS		LOCATION: Lethbridge College TR 1840
COMPETITION SCHEDULE:		REGIONALIZED: YES If YES, To compete at the Provincial Skills Canada Competition students must qualify at their Regional Skills Canada Competition.
CHECK IN (CE 1305)	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.	
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 INFORMATION

The *Button Box* project is designed to provide an opportunity for contestants to demonstrate a variety of woodworking skills and abilities. Participants will need to be able to interpret the drawing and perform various joinery techniques to construct the project. The competent and safe use of hand tools, portable power tools and stationary power tools will be required to complete the project.

SKILLS AND KNOWLEDGE TO BE TESTED

- Reading plans
- Planning work procedures
- Layout and cutting of dovetail joints with hand tools
- Cutting components to size accurately with mitre and table saws
- Efficient glue up and assembly of the project
- Competent clean up and sanding of the project

PROJECT DESCRIPTION

The project is a 4 corner mitred box with a chamfered lid. It incorporates a hand dovetailed sliding tray as well as hardwood edging. The processes to complete this box are designed to reinforce common cabinetmaking practices, as well as test higher level hand skills in a short time frame.

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



EQUIPMENT & MATERIALS

Equipment and Materials Competitors Must Supply:

- Safety footwear (toe caps will be provided for competitors who do not have boots)
- Competitors will not be allowed into the competition area without the required safety equipment.
- Competitor tools will be provided by Lethbridge College.
- You may bring your own personal hand tools. Any tools not on the list need to be approved by competition judges.
- NO PRE-MADE JIGS WILL BE ALLOWED. Milled material will be provided to use on site.
- NO construction calculators are allowed.
- No cell phones are allowed.

Equipment and Materials Supplied by the Committee:

All wood, materials & hardware	Sanding Block	Workbench
All adhesives	Coping/Fret saw	Dovetail saw
Sandpaper (80-220 grit)	Table-mounted router	All necessary drill bits
Dowels & biscuits	All necessary router bits	Bench grinder and honing station
Compound Miter saws	Plate joiner	Block plane
Drill press / cordless drills	Combination square	Set of bevelled chisels
Scratch awl	Bar clamps	Screw drivers
Pencil sharpener	Dado blade set	Panel Saw
Masking tape	18 & 23 gauge brad-nailers	Ear plugs/safety glasses
Sliding t-bevel	Striking knife/utility knife	Mallet
Steel ruler	Hand/cabinet scrapers	Basic calculator
Metric tape measure	Laminate Trimmers	F-clamps
Drill Press	*extra materials for setup	Limited extra pieces

JUDGING CRITERIA

- Dimensions 25%
- Joinery 45%
- Fit and Finish 33%

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.



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 CON2130
- CON1120 CON2140
- CON1130 CON2170
- CON1160

CLOTHING REQUIREMENT

It is important that competitors present a professional image and appearance. Appropriate work clothing must be worn to compete. All clothing must be neat and clean and free of rips and tears. Casual wear such as shorts will not be permitted. No loose fitting clothes or jewelry.

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.

RECOMMENDED PROCEDURES LIST *Instructors may set up some or all router table operations depending on facility*

Step	Procedure
Mitres for Carcass	Table Saw with a mitre gauge & auxiliary fence <u>or</u> mitre sled <u>or</u> mitre saw
Plough (Dado) cut for tray	Router table. This is a through stopped cut (NOT STOPPED)
Plough (Dado) cut for carcass	Router table <u>or</u> multiple cuts ripping on the Table Saw
Rabbet for Lid	Router table <u>or</u> Table saw with supervision
Chamfer for Lid	Router table set up <u>or</u> laminate trimmer with material clamped
Dowels and Lid hole	Drill press <u>or</u> hand drill
Dovetails	Hand Cut Only. <u>No power tools may be used in any part of this process</u>
Edging	Flush trim bit on a laminate trimmer <u>or</u> block plane and hand sanding

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/lc-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>



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COMMITTEE MEMBERS

Mark Adams	Lethbridge College
Rob Burton	Ramton Homes
Tyrel Churko	Lethbridge College
Brody Forster	Lethbridge College
Zac Harris	Matthew Halton High School
Corby Pankhurst	Community Member
Shawn Scotney	Lethbridge College
Judy Stolk-Ingram	Career Transitions
Leon Wensmann	Community Member
Tara Yagos	Career Transitions

