



2025 North West Regional Skills Canada Competition

Contest Description

Northwestern Polytechnic (NWP) Fairview Campus

April 10 & 11, 2025

EVENT: Cabinet Making		LEVEL: Secondary										
DURATION OF CONTEST: 6 HOURS		LOCATION: NWP FAIRVIEW CAMPUS – CARPENTRY SHOP										
COMPETITION SCHEDULE: <table><tr><td>ORIENTATION</td><td>April 10th 6:00pm</td></tr><tr><td>COMPETITION</td><td>April 11th 9:00 am-12:00pm</td></tr><tr><td>LUNCH</td><td>12:00pm-12:30pm</td></tr><tr><td>COMPETITION</td><td>12:30pm-3:30pm</td></tr><tr><td>JUDGING</td><td>3:30pm-5:30pm</td></tr></table> ORIENTATION IS MANDATORY: Should a competitor not attend orientation they will be disqualified from the competition.		ORIENTATION	April 10 th 6:00pm	COMPETITION	April 11 th 9:00 am-12:00pm	LUNCH	12:00pm-12:30pm	COMPETITION	12:30pm-3:30pm	JUDGING	3:30pm-5:30pm	REGIONALIZED: YES If YES, students must qualify at their Regional Skills Canada Competition to compete at the Provincial Skills Canada Competition.
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AWARDS CEREMONY INFORMATION: April 11 @ 6 pm in the NWP Fairview Campus Theatre												

SKILLS AND KNOWLEDGE TO BE TESTED

- Reading & interpreting drawings
- Planning work procedures
- Layout and cutting of dovetail joints with hand tools
- Cutting components to size accurately with hand and/or stationary power tools
- Effective assembly of project components that are square and flush
- Ability to produce a well-finished project that is true to the drawing

PROJECT DESCRIPTION

The *Tea Sorting Box* project is designed to provide an opportunity for contestants to demonstrate a variety of woodworking skills and abilities. The project consists of a mitred outer case with a central divider which separates the box into two sections. A sliding tray sits on top of the dividers and slides side-to-side to reveal one half of the box or the other. The joinery of this tray will include two hand-cut dovetail corners and two rabbeted corners as per drawing. Safe and confident use of hand tools, portable power tools and stationary power tools will be required to complete this project. Proficiency in the Regional project will be a good building block to gain the skills necessary for the Provincial project.



EQUIPMENT & MATERIALS

Competitors are encouraged, but not required, to bring their own hand tools. However, no pre-made jigs and/or power tools will be allowed, this includes dovetail cutting jigs. Any tools not on the list below need to be approved by competition judges and/or committee members.

Equipment and materials competitors must supply:

Safety glasses	CSA Safety Footwear	Metric tape measure
Pencils (HB or 2H)	Calculator (optional)	Ear Plugs

Equipment Competitors may bring:

Any hand tools from the list below or typically found in a Cabinetmakers tool kit will be allowed pending judges or committee members approval. No pre-made project specific jigs will be allowed.

HAND TOOLS COMPETITORS MAY BRING		
Hammer	Square	Clamps (Bar, F, & Quick)
Mallet	Sliding T-bevel	Masking tape
Chisels	Block plane	Sanding Block
Coping/Fret saw	Scratch awl	Sandpaper (80-220 grit)
Dovetail saw		
* Dovetail markers are allowed for layout but not as a cutting guide		

Equipment & materials supplied by the committee:

Each competitor will receive one (1) project kit which will contain the required materials to build the project. If a competitor requires extra material due to a mis-cut of the original pieces there will be a deduction in that competitors score. Competitors will have an opportunity to inspect their project kit to ensure all materials are present with no defects before beginning.

EQUIPMENT	SUPPLIES
Router table	All Material & hardware for project
Necessary router bits	*Extra materials for setup checks
Drill Press/cordless drills	Limited extra pieces
Necessary drill bits	Adhesives/glue
Compound Miter saws	Masking tape
Table saw with mitre gauge or sled	Sandpaper (80-220 grit)
Laminate Trimmers	Necessary dowels & biscuits
23-gauge pin nailers	

Recommended Procedure List:

Dovetails - Hand cut, no power tools may be used in any part of this process. Dovetails will be evaluated both before and after assembly. Dovetail parts need to be brought up for marking unassembled but with clear layout marking.

Rabbets for Case & Tray - Router table with $\frac{3}{4}$ " straight bit. *Instructors may set up some or all router and router table operations depending on the facility but only students may perform any operations.* Glue and 23-gauge pin nailers will be available to secure bottoms into rabbets.



Case Mitres - Table saw with mite gauge or sled. Mitre saws may also be used but are not recommended.

Case Edging - glue and clamped or taped (clear packing tape is a good option), finished with a flush trim bit in a laminate trimmer or block plane.

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

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 unnecessarily presents increased 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%

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 to determine the winner.

ADDITIONAL INFORMATION

Lunch will be provided for all competitors. Unfortunately, all allergies may not be able to be accommodated for. Please connect with the local Regional Coordinator for more information.

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

REGIONAL COMMITTEE MEMBERS

Coleman Larson
