

Contest Description

Edmonton Expo Centre, Edmonton

May 8 & May 9, 2024

EVENT: Cabinet Making	LEVEL: Secondary																																
WORLDSKILLS TRADE #: 24	LOCATION: HALL C, Edmonton Expo Centre, Edmonton																																
DURATION: 12 hours total Day 1 – 7 Hours Day 2 – 5 Hours	REGIONALIZED: Students must qualify through a Regional Skills Canada Competition (RSCC) to earn a position in the Cabinet Making Secondary competition at the Provincial Skills Canada Competition (PSCC).																																
COMPETITION SCHEDULE: MAY 8, DAY 1	MAY 9, DAY 2																																
<table border="1"> <tr> <td><i>ORIENTATION/BRIEFING</i></td> <td>8:00am – 8:30am</td> </tr> <tr> <td>COMPETITION</td> <td>8:30am – 10:00am</td> </tr> <tr> <td><i>BREAK</i></td> <td>10:00am - 10:15am</td> </tr> <tr> <td>COMPETITION</td> <td>10:15am – 11:30am</td> </tr> <tr> <td><i>LUNCH</i></td> <td>11:30am - 12:15pm</td> </tr> <tr> <td>COMPETITION</td> <td>12:15pm – 2:15pm</td> </tr> <tr> <td><i>BREAK</i></td> <td>2:15pm - 2:30pm</td> </tr> <tr> <td>COMPETITION</td> <td>2:30pm - 4:45pm</td> </tr> <tr> <td><i>CLEAN UP</i></td> <td>4:45pm – 5:00pm</td> </tr> </table>	<i>ORIENTATION/BRIEFING</i>	8:00am – 8:30am	COMPETITION	8:30am – 10:00am	<i>BREAK</i>	10:00am - 10:15am	COMPETITION	10:15am – 11:30am	<i>LUNCH</i>	11:30am - 12:15pm	COMPETITION	12:15pm – 2:15pm	<i>BREAK</i>	2:15pm - 2:30pm	COMPETITION	2:30pm - 4:45pm	<i>CLEAN UP</i>	4:45pm – 5:00pm	<table border="1"> <tr> <td><i>BRIEFING</i></td> <td>8:00am – 8:15am</td> </tr> <tr> <td>COMPETITION</td> <td>8:15am – 10:00am</td> </tr> <tr> <td><i>BREAK</i></td> <td>10:00am – 10:15am</td> </tr> <tr> <td>COMPETITION</td> <td>10:15am – 11:30am</td> </tr> <tr> <td><i>LUNCH</i></td> <td>11:30am - 12:15pm</td> </tr> <tr> <td>COMPETITION</td> <td>12:15 - 2:15pm</td> </tr> <tr> <td><i>CLEANUP</i></td> <td>2:15pm - 2:30pm</td> </tr> </table>	<i>BRIEFING</i>	8:00am – 8:15am	COMPETITION	8:15am – 10:00am	<i>BREAK</i>	10:00am – 10:15am	COMPETITION	10:15am – 11:30am	<i>LUNCH</i>	11:30am - 12:15pm	COMPETITION	12:15 - 2:15pm	<i>CLEANUP</i>	2:15pm - 2:30pm
<i>ORIENTATION/BRIEFING</i>	8:00am – 8:30am																																
COMPETITION	8:30am – 10:00am																																
<i>BREAK</i>	10:00am - 10:15am																																
COMPETITION	10:15am – 11:30am																																
<i>LUNCH</i>	11:30am - 12:15pm																																
COMPETITION	12:15pm – 2:15pm																																
<i>BREAK</i>	2:15pm - 2:30pm																																
COMPETITION	2:30pm - 4:45pm																																
<i>CLEAN UP</i>	4:45pm – 5:00pm																																
<i>BRIEFING</i>	8:00am – 8:15am																																
COMPETITION	8:15am – 10:00am																																
<i>BREAK</i>	10:00am – 10:15am																																
COMPETITION	10:15am – 11:30am																																
<i>LUNCH</i>	11:30am - 12:15pm																																
COMPETITION	12:15 - 2:15pm																																
<i>CLEANUP</i>	2:15pm - 2:30pm																																

*Please Note: This document is subject to change as competition information is updated. Competitors are responsible for staying up to date with the most recent information. Check the footer for last updated date. Changes will be highlighted in **yellow**.*

CONTEST INTRODUCTION:

Students who qualify at their Regional Competitions will have an opportunity to compete on the Provincial level. They will be able to demonstrate their knowledge, skill, and craftsmanship in a fun and competitive environment. Projects will be evaluated by a team of industry professionals and educators and the winner will earn the chance to represent Alberta at the Skills Canada National Competition.

SKILLS AND KNOWLEDGE TO BE TESTED:

- Time management
- Interpretation of drawings and specifications
- Use of edge cutting tools such as planes and chisels
- Accurate measuring
- Proper gluing techniques
- Cutting of sheet stock
- Proper installation of common hardware
- Solving of construction problems
- Final surface preparation before finishing
- Safe use of table saw, table router, band saw, miter saw, drill press, portable power tools, chisel mortiser, and basic hand tools

PROJECT DESCRIPTION:

This year's project is inspired by the Arts and Crafts furniture style. It contains slatted side frames with curved lower rails as well as arched bracket details. The drawer features hand-cut dovetail joinery and the top will have solid edging mitred all 4 corners. Post-Secondary competitors will create a diamond-match veneer, vacuum pressed to the top core. The project will incorporate various types of joinery including:

- Joints reinforced with biscuits and dowels
- Machined joints such as Mortise and Tenon
- Grooving for side slats and back
- Hand cut dovetail joinery

Project drawings will be posted with specifications for this year's Secondary and Post-Secondary project. Please note that the actual competition project **may** have up to 30% change from the posted drawings.

The project combines the use of solid wood and manufactured sheet goods. Clean machining of components, efficient assembly and consistent surface preparation all need to come together for a successful outcome. Competitors must be competent with hand tools, stationary woodworking machinery and portable power tools. Safe working practices will be in effect at all times.

EQUIPMENT & MATERIALS

Equipment and Materials Competitors To Supply:

Conventional hand tools commonly found in a cabinetmaker's tool box may be supplied by the competitors. No pre-made, project specific jigs or fixtures may be used in the competition. No commercial jigs or fixtures may be used for cutting dovetails. Dovetail layout markers are allowed. Competitors may use excess of supplied material to make on site jigs.

Equipment supplied by the competitor should include:

CSA Steel Toed Work Boots*	Utility knife	Set of bench chisels
CSA Safety Glasses*	Hammer	Sanding block
CSA Hearing Protection*	Metric tape measure	Cabinet scraper
Block and smoothing plane	Measuring tools	Combination square
Masking or fiber tape	Marking gauge	Wooden Mallet
Calculator	Sliding T-bevel	Clamps to assemble project
Pencils	Try Square	Flush Trim Saw
Dovetail Saw	Coping/Fret Saw	Assorted Screwdrivers

*Safety Equipment is MANDATORY and competitors MUST be wearing appropriate PPE (Personal Protective Equipment) in order to compete. The committee will have a supply of additional hearing and eye protection, but we strongly encourage competitors to bring the PPE they are familiar with and comfortable in. Prescription safety glasses must include side shields and properly fitting eye protection must be worn over regular glasses.

**No headphones or cellphone use will be allowed during the competition.

Equipment and Materials Supplied by the Committee:

All project materials, solids and sheet goods	Adhesives	Selection of Sandpaper
Hardware and screws as required	Miter Saws	Table Saws and Bases (No Dado Blades)
Edge Sander	Biscuit Joiners	Table Routers and Bits
Cordless Drills	Vacuum Bag and Pump (if required)	Cross Cut Sleds



Drill Bits	Air Nailer	Work Benches
Chisel Mortisers (if required)	Dust Collector	Drill Press

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 or sleeveless T-shirts will not be permitted. Steel toed boots and safety glasses are mandatory. For safety on and around machinery – loose fitting sleeves, dangling jewelry or other items (eg hoodie strings, lanyards) should be avoided.

JUDGING CRITERIA

The project elements will be marked according to the following guidelines:

Overall Dimensions	10%
Detail Dimensions	10%
Case Joinery and Assembly	30%
Lower Frame Joinery and Assembly	30%
Surface Preparation	15%
Drawing Reading Quiz	5%

Some of the joinery components will be marked **prior to assembly** so that internal surfaces may be evaluated. It is up to the competitors to make sure those components are handed in.

Exact weighting of elements may deviate slightly on the actual marking rubric.

TIE BREAKING PROCESS

The Drawing Reading Quiz will be utilized to break any ties. If still tied, the quality of the dovetails, then other joinery elements will be used.

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.

***Please Note:** Personal Protective Equipment must be worn at all times during the competition.

RELATED CAREER AND TECHNOLOGY STUDIES COURSES

Descriptions of all modules are located at the following website:

<https://education.alberta.ca/career-and-technology-studies/programs-of-study/?searchMode=3>

CON1010- Construction Tools and Materials	CON 2130 Furniture Box Construction	CON 3130 Furniture Leg and Rail Construction
CON1120 Product Management	CON 2150 Finishing and Refinishing	CON 3140 Furniture Surface Enhancement
CON1130 Solid Stock Construction	CON2170 Cabinetmaking Door and Drawer	

ADDITIONAL INFORMATION

Skills Canada Alberta Regional and Provincial Rules and Regulations

[Regional and Provincial Rules and Regulations](#)

Competitor Registration

Registration for regionalized events will open online at on January 10, 2024 @ 8:30 AM. Please refer to this competitions event page for additional registration and competition information:

<https://skillsalberta.com/competition/>

Test Project change at the Competition

Where the Test Project has been circulated to competitors in advance, PTC can change a maximum of 30% of the work content.

Lunch

Lunch for accredited competitors will be provided by Skills Canada Alberta.





Parking & Venue Maps: <http://edmontonexpocentre.com/attend/parking/>
Parking is FREE for all attendees.

Opening Ceremonies / Competitor Registration

Opening Ceremonies for the PSCC will take place on Tuesday May 7, 2024, at 6:00 pm in Hall D of the Edmonton EXPO Centre. Admission is free, and everyone is welcome to attend. It is important to note that competitor registration will open immediately following the Opening Ceremony.

Awards Ceremony

The Awards Ceremony will take place on Thursday May 9, 2024, at 6:30 pm in Hall D of the Edmonton EXPO Centre. Admission is free and everyone is welcome to attend. The Awards Ceremony will be shown live at <http://skillsalberta.com/>

Team Alberta Information

Team Alberta will be selected at the PSCC Awards Ceremony. Gold medalists will then be eligible to participate at the Skills Canada National Competition (SCNC) on May 27- June 1, 2024, in Quebec City, QC. It is recommended that competitors review the SCNC contest description to be familiar with the national contest description and project at <http://www.skillscanada.com/>.

During the PSCC Awards Ceremony on Thursday May 9, 2024, gold medalists will be given their Team Alberta information package and will confirm their participation in the SCNC. Students must be present at the Awards Ceremony to claim their position on Team Alberta. If the Gold medalist is not able to attend SCNC, the next top ranking individuals will be asked to participate. If a student is not able to attend the Awards Ceremony a letter confirming the student’s interest in Team Alberta participation must be emailed to javierad@skillsalberta.com prior to the start of competition on May 8, 2024.

Please prepare your students in advance to accept a position on Team Alberta and outline how your school will support their participation. Furthermore, it is very important that all fieldtrip/travel information for potential Team AB members is organized and completed prior to the selection of Team AB.

Questions?

Please contact Whitney Koop at whitneyk@skillsalberta.com if you have any questions regarding the Contest Description.

COMMITTEE MEMBERS

Andrew Spring	Aaron Saunders
---------------	----------------



Josh Allen	Ivan Mazuryk
Melinda Spring	Mick McGowan
Harold Bergmann	Dustin Sejdl
Mitch Christopherson	Steve Woodard
Taylor Desjardins	Andrew Campbell (Committee Chair)
Tyler Wagner	Christian Lohmann

