

2021 PROVINCIAL SKILLS CANADA COMPETITION



CONTEST DESCRIPTION

CONTEST AREA: CABINET MAKING	LEVEL: Secondary
COMPETITION SCHEDULE: 7:45 – VIRTUAL REGISTRATION 8:00-8:15 – VIRTUAL ORIENTATION 8:15– 9:45 COMP 9:45 – 10:00 BREAK (WEBEX CHECK IN) 10:00 – 11:30 COMP 11:30 – 12:00 LUNCH (WEBEX CHECK IN) 12:00 – 1:45 COMP 1:45 – 2:00 BREAK (WEBEX CHECK IN) 2:00 – 4:00 COMP 4:00 – 4:15 PHOTO SUBMISSION (WEBEX CHECK IN)	LOCATION: COMPETITOR’S SCHOOL. SEE COMPETITION FORMAT INFORMATION BELOW
DURATION: 6 HOURS 45 MINUTES	REGIONALIZED: Yes 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 FORMAT: (VIRTUAL/ IN SCHOOL) <p>All secondary competitors will be competing with in their school environment and must arrange in advance with a teacher for a safe competition location, according to their school’s Covid-19 safety policies. They will need to prepare their competition space with all of the required tools, equipment, materials, and technology (as listed below) that will be needed to complete the competition. Teachers and competitors will need to work together to ensure the competitor is ready for success on their competition day.</p> <p>Each competitor must have a teacher/ supervisor available throughout the day, in case of incident. (Teacher/Supervisor must be present at the competition orientation.)</p> <p>Competitors and Teachers should be prepared to receive additional information about the competition projects, livestreams, shipping, etc. prior to the competition. Please ensure you are double checking for emails from Skills, including checking junk mail.</p>	
WEBEX LIVESTREAMS:	



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Competition Orientation: The competition will begin with a virtual orientation. Competitors will join the assigned videoconference link that will be emailed to all registered competitors for the competition orientation. Camera's MUST be on and competitors visible on the camera during the orientation. **An email with the WebEx link will be sent out in advance of the competition.**

PROJECT SUBMISSION DEADLINE: APRIL 15 BY 4:15PM

PROJECT SUBMISSION LINK:

- <https://form.iotform.com/SkillsAB/2021PSCC>
- Multiple files can be uploaded at once, each file has a maximum size of 1G. If file sizes are larger than 1G, please follow alternate instructions through the submission link.

ACCEPTED FILE TYPE: zip

To create a zip file – would Select all the files that you like to submit and right-click your mouse, a menu will open, select Send To, and then click on Compressed (zipped) folder. A zip file will then be created containing your submission documents.

Please note: Late submissions sent after the date and time specified above will not be accepted.

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.

Safety Checklist: It is the responsibility of each competitor and teacher to review the Safety Checklist (<https://skillsalberta.com/additional-2021-competition-resources/>) in advance of the competition and ensure they are able to meet all safety requirements. During the orientation, the safety checklist will be formally reviewed.

AWARDS CEREMONY INFORMATION: Please join us for a live virtual awards ceremony on May 13th at 6:30PM.

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.



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CONTEST INTRODUCTION

Students who qualify through their Regional Competition will have a chance to compete at the Provincial level. The projects for the Provincial Competition will be marked by photo submission with the results to be announced at the Virtual Awards Ceremony.

SKILLS AND KNOWLEDGE TO BE TESTED

The project will test the full range of skills needed by a competent Cabinetmaker.

- Interpretation of drawings and specifications
- Planning and scheduling of processes
- Safe use of edge cutting hand tools such as chisels and hand planes
- Accurate measuring and mark out
- Safe use of woodworking machinery such as: table saw, miter saw, router table, drills, biscuit joiner
- Proper gluing techniques
- Final surface preparation before finishing
- Using critical thinking to solve construction problems

PROJECT DESCRIPTION

This year's project is a Tool Tote that competitors will be able to use for years to come! The project includes various different skill elements such as:

- Case with pegged mitre corner joinery and integrated tongue and groove construction
- Cutting and shaping of curves
- Hand cut dovetail joinery

The project combines the use of sheet goods and solid hardwoods. Planning, layout, cutting and machining of interlocking joinery, assembly techniques and final surface preparation will all play a part in achieving a successful outcome.

Please note that the project drawings posted may be changed up to 30% for the actual competition. Changes would not be major but make sure you are referencing the correct drawings when it comes time for the competition!



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SUBMISSION REQUIREMENTS

Photo submission will be required of the relevant aspects of the project. The marking rubric and a photo submission template will be posted online in advance of the competition. *Photo submission instructions will also be part of the Materials package.*

EQUIPMENT & MATERIALS

A materials package for the competition project will be delivered by April 13th. The material package will contain:

- all the materials required for the project as well as a materials checklist
- sealed competition project drawings
- marking rubric and photo submission instructions

The materials package may be opened and the checklist items confirmed but the sealed project drawings are to be opened the morning of the competition.

Any and all conventional hand tools commonly found in a cabinetmaker's tool box may be supplied by a competitor. 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.*

Tools and Materials provided by Skills Canada Alberta:

½" Cordless Drill-DeWalt	Pin Nailer (23g)-DeWalt	Driver Bit, Rob #1 x 1"
10" Sliding Miter Saw-DeWalt	Pin Nails 23G, ¾" & 1"	Assorted Biscuits
Miter Saw Stand-DeWalt	Brad Nails 18G, 1 ½" & 2"	Brad Point Drill Bit Set
Biscuit Jointer-DeWalt	#6 Countersink	Forstner Bit Set
Laminate Trimmer-DeWalt	Driver Bit, Philips #1 x 1"	Driver Bit, Rob #2 x 2"
Cordless Brad Nailer (18g)-DeWalt	Router Bit, ¼" Straight Bit	Router Bit, 45° chamfer bit



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Recommended Tools and Materials provided by School/Competitor:

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

*Safety equipment must be worn during the competition

Machinery requirements include the following:

- Table saw (*preferably with mitring crosscut sled*)
- Router table with 1/4" straight bit and 45° chamfer bit
- Band saw (*could be done with a jig saw or scroll saw as well*)
- Spindle sander or edge sander with end column support table
- Cordless drill (*drill press preferred for some operations*)
- Drill bit sizes required – 1/4", 3/8" (3/4" optional)

Competitor Provided Tools, Materials, and Equipment

Competitors and schools will need to work together to arrange for the tools, equipment, and materials provided by the competitor. If a competitor and/or school is unable to procure a certain item, please contact mikes@skillsalberta.com to inquire if additional arrangements can be made.

VIRTUAL COMPETITION RESOURCE SUPPORT FORM

A \$40 competition resource subsidy is available to all competitors. It is intended for items that were purchased to support competitors (e.g. food supplies, materials, technical equipment, tools, etc.). The form can be accessed at the following link: <https://skillsalberta.com/additional-2021-competition-resources/>



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SHIPPING INFORMATION

Any tools and equipment provided by Skills Canada Alberta will be shipped to your school by: **April 13th**
If you do not receive your shipment by this time, please contact: whitneyk@skillsalberta.com.

JUDGING CRITERIA

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

Overall Dimensions	10%
Detail Dimensions	15%
Case Joinery and Assembly	30%
Tray Joinery and Assembly	20%
Surface Preparation	20%
Drawing Reading Quiz	5%

*Weighting of elements may deviate slightly on actual marking rubric

TIE BREAKING PROCESS

The Drawing Reading Quiz will be used as the first tie breaker. Second tie breaker will be the quality of the dovetails after assembly. Third tie breaker if needed will be the quality of the case mitres. Other Joinery elements will be used as tie breakers as required.

CLOTHING REQUIREMENT

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 and open toed shoes/sandals will not be permitted. No loose-fitting clothes or jewelry.



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RELATED CAREER AND TECHNOLOGY STUDIES COURSES

Descriptions of all modules are located at the following website:

<http://education.alberta.ca/media/2205310/cons.pdf>

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

Competition Registration will open online at <https://portal.skillsalberta.com/> on January 12, 2021 at 8:30AM for the Regional Skills Canada Competition and on January 14, 2021 at 8:30 AM for the Provincial Skills Canada Competition (PSCC)

Lunch

Lunch will be provided by Skills Canada Alberta

Virtual Awards Ceremony

The Virtual Awards Ceremony will take place **Thursday, May 13th at 6:30PM**. A link will be made available on the website with additional information.

Team Alberta Information

Team Alberta will be selected from competition Gold medalists who will then be eligible to participate at the Skills Canada National Competition (SCNC) in a virtual format May 25-30, 2021. 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/>.



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Ethical Conduct

We recognize that participants will be competing individually in their own unique environments. We expect all competitors to compete fairly, respecting and abiding by the established rules in the true spirit of Skills Canada Alberta.

Letter of Participation

Competitors who participate in the 2021 Provincial Skills Canada Competition are eligible for a Letter of Participation that can be downloaded on the Registration Portal after the competition ends.

COMMITTEE MEMBERS

Harold Bergmann - Chair	Josh Backer	Dustin SejdI
Ivan Mazuryk	Joel Entz	Mitch Christopherson
Steve Woodard	Josh Allen	Robert Milton
Andrew Spring	Jason Krueger	Taylor Desjardins
Melinda Spring	Tyler Wagner	Aaron Saunders
Mick McGowan	Andrew Campbell	

