

2021 PROVINCIAL SKILLS CANADA COMPETITION



CONTEST DESCRIPTION

CONTEST AREA: CABINET MAKING			LEVEL: Post-Secondary
COMPETITION DATE AND TIMES:			LOCATION: Competitors will compete individually from their local Post-Secondary Institution
Orientation	April 24	8:00-8:30	
Competition Day 1	April 24	8:30 to 4:00	
Competition Day 2	April 25	8:00 to 3:00	
DURATION: 12 HOURS			WorldSkills Trade #: 24
<p>COMPETITION FORMAT: (VIRTUAL, AT A POST-SECONDARY INSTITUTION) Competitors will compete individually, in person, from their local Post-Secondary Institution. Location specific COVID-19 protocols must be followed. Post-Secondary Institutions and competitors will need to work together to ensure the competitor is ready for success on their competition day. 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. This competition will be closed to the public. Only registered competitors and assigned Provincial Technical Committee members will be allowed to attend.</p> <p>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.</p>			
<p>PROJECT SUBMISSION DEADLINE: APRIL 25 BY 3:30PM PROJECT SUBMISSION LINK:</p> <ul style="list-style-type: none"> • https://form.jotform.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. <p>ACCEPTED FILE TYPE: pdf, doc, docx, xls, xlsx, csv, txt, rtf, html, zip, mp3, wma, mpg, flv, avi, jpg, jpeg, png, gif. If you would like to submit a different type of file, please place it in a zip folder.</p> <p>To create a zip folder – Select all the files that you would 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.</p> <p>SHIPPING PROJECT FOR JUDGING: Competition Facilitator will be required to ship their finished projects for judging. Skills Canada Alberta will provide packaging and shipping labels.</p>			



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Projects must be shipped with in 36 hours. Additional shipping information will be shared in advance of the competition.

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

CONTEST INTRODUCTION

Cabinetmaking apprentices born in or after 1999 are eligible to compete in this years Provincial Skills Competition at the Post-Secondary level.

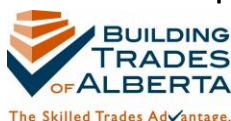
SKILLS AND KNOWLEDGE TO BE TESTED

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



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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 keyed mitred 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!

EQUIPMENT & MATERIALS

A materials package for the competition project will be available at the institution for the competition. The material package will contain:

- all the project material 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.*

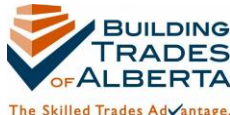
Due to the unique circumstances of this year's competition, competitors will be using the machinery available at their competition site at the discretion of the supervising parties.

Certain machinery (provided by the institute) should be available for the competitor(s) to set up and use, including:

Router Table	Mitre Saw	Band Saw
Table Saw	Drill Press	Pressing equipment (vacuum bag or hydraulic press)



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Portable Power Equipment (provided by the institute) should include:

Cordless Drill	Biscuit Joiner	Trim Router
Air Nailers, 18 or 23 gauge		

Tooling available (provided by the institute) should include:

Various drill bits - 3/8", 3/4"	Various Table Saw blades – ripping, crosscut	Various Router Bits – 1/4" & 1/2" straight cut, Chamfer bit
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Sundry supplies such as glue, sandpaper, screws, pin nails, masking tape etc. should also be available by the institute.

JUDGING CRITERIA

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

Overall Dimensions	10%
Detail Dimensions	15%
Case Joinery and Assembly	30%
Drawer Joinery and Assembly	25%
Surface Preparation	20%

*Weighting of elements may deviate slightly on actual marking rubric

TIE BREAKING PROCESS

The first tie breaker will be the quality of the dovetails after assembly. Second tie breaker will be the quality of the case mitres. Third tie breaker will be the function of the drawer. Other Joinery elements will be used as tie breakers as required.

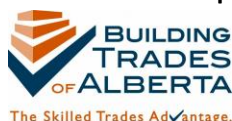
CONTEST AREA SPECIFIC SAFETY REQUIREMENTS

Competitors are required to supply and wear CSA approved steel toed footwear and CSA approved safety glasses.

Policies and procedures in place at the competition site regarding safety and COVID19 should be followed throughout the competition.



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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.

ADDITIONAL INFORMATION

Skills Canada Alberta Regional and Provincial Rules and Regulations
[Regional and Provincial Rules and Regulations](#)

Post-Secondary Competitor Information is [available here](#).

Lunch

Lunch will be provided by Skills Canada Alberta

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/>.

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 by request by contacting katherinek@skillsalberta.com.

COMMITTEE MEMBERS

Harold Bergmann - Chair	Josh Backer	Dustin Seidl
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	



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