

2021 REGIONAL SKILLS CANADA COMPETITION



2021 Regional Skills Canada Competition

Contest Description (Scope Document)

March 2, 2021

EVENT: Cabinet Making	LEVEL: Secondary
DURATION OF CONTEST: 6 HRS	REGIONALIZED: YES If YES, to compete at the Provincial Skills Canada Competition students must qualify at their Regional Skills Canada Competition.
<p>COMPETITION FORMAT: (VIRTUAL/ IN SCHOOL) All secondary competitors will be competing within their school environment and must arrange in advance with a teacher for a safe competition location, according to their school's Covid-19 and workplace safety policies. They will need to prepare their competition space with all of the required tools, equipment, materials, and technology 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. Project materials will be supplied via a shipment to the school; details to follow once registered. In addition, 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/</p> <p>Competitors will join the assigned videoconference link that will be emailed to all registered competitors. Competitors will need to position their camera in such a way that the judges can see their entire work area from an exterior view. It is highly recommended that technology be set up and tested prior to the day of the competition. Competitors will be expected to have their camera on for the orientation but will be able to log off once the competition has started. Competitors must be on camera during breaks and immediately after the competition. This is a good time to check-in with committee members. The meeting link will however be live IF competitors have questions and would like to log back in.</p>	



Once a competitor has completed their assigned project by the specified competition completion time (no additional time will be permitted), competitors must submit photographs of their project WITHIN 15 MINUTES (by 4:00 p.m.) of the contest concluding. For the photos, please use the submission template that will be emailed to the provided registered competitor email.

PROJECT SUBMISSION - Submissions can be uploaded to the following link:
<https://form.jotform.com/SkillsAB/2021rsc>

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 file. To create a zip file – 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.

COMPETITION SCHEDULE:

Tech Check Photo Submission– Submit photo with competitor and opened material package to the above noted upload link	March 1 – due by 4:00 p.m.
March 2, 2021 Live Stream check-in – Mandatory – On camera	7:30 a.m.
March 2, 2021 Live Stream Orientation – Mandatory – On Camera	8:00-8:30 a.m.
March 2, 2021 Competition Start – Off Camera Competition End	Competition 8:30-10:30 a.m. Break – Online Check-in - 10:30-10:45 a.m. Competition 10:45 a.m.-12:15 p.m. Lunch (Online Check-in) 12:15-1:00 p.m. Competition 1:00-2:30 p.m. Break – Online Check-in - 2:30-2:45 p.m. Competition 2:45-3:45 p.m.
PHOTOS DUE	4:00 p.m.

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: ALL competitors must be present for the mandatory safety orientation listed above in the schedule. If competitors are not present, their project will be disqualified. Prior to the start of competition, competitors should familiarize themselves with the Pre-Start Checklist which can be accessed at the following link: <https://skillsalberta.com/additional-2021-competition-resources/>

AWARDS CEREMONY INFORMATION: Please join us for a live virtual awards ceremony on March 25th at 6:30PM.

CONTEST INTRODUCTION

The “Skills in a 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 sliding tray and a chamfered lid. It is designed to reinforce common cabinetmaking practices as well as test higher level hand skills in a short time frame.

- A mitred case reinforced with dowel pegs
- Hand cut dovetails as part of a wood on wood sliding tray
- A chamfered lift off lid with a universal reveal

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 Supplied by the Committee to the Competitor:

Each competitor will receive one (1) project kit that contains the required materials to build project.

Equipment and materials competitors must supply:

Safety glasses	Safety foot wear	Metric tape measure
Pencils (HB or 2H)	Calculator (optional)	

- NO PRE-MADE JIGS WILL BE ALLOWED. Milled material will be provided.

Competitors materials will be limited to the following:

HAND TOOLS	EQUIPMENT	SUPPLIES
Sanding Block	Table-mounted router	ONLY Supplied wood & materials
Block plane	Table saw- with mitre gauge	*extra materials may be used for setup
Coping/Fret saw	Compound Miter saws	router bits *not supplied by SCA
Scratch awl	Workbench	all adhesives
Square	Pencil sharpener	Masking tape
Sliding t-bevel	Sharpening station	Sandpaper (80-220 grit)
Dovetail saw	Portable Power drill	1/8" brad point drill bit
Bevelled chisels	Bar clamps	

RECOMMENDED PROCEDURES LIST

You may have instructors set up for all router table operations.

Mitres for Carcass- Tablesaw with a Mitre gauge with auxiliary fence or Mitre saw preferably with zero clearance auxiliary fence.

Plough (Dado) cut for tray- Router table. This is NOT a stopped cut.

Plough (Dado) cut for carcass- Router table or multiple cuts ripping on the Table saw.

Rabbet for Lid- Router table or Table saw with supervision.

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

Dowels and Lid hole- Drill press or hand drill

Dovetails- All hand Cut. No power tools may be used in any part of this process.

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.

RELATED CAREER AND TECHNOLOGY STUDIES COURSES

Descriptions of all modules are located at the following website:

https://education.alberta.ca/media/160533/fab_course_summaries_old.pdf

CON1010	CON1120	CON1130	CON1160
CON2130	CON2140	CON2170	

JUDGING CRITERIA

- Dimensions 25%
 - Joinery 40%
 - Fit and Finish 35%
- 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.

ADDITIONAL 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>

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.

Competition Results and Progression: As per previous years, the top placements in the 2021 Regional Skills Canada Competition will advance onto the virtual Provincial Skills Canada Competition. While all regional competitors will compete together on the same day, provincial spots will still be allotted on a regional basis. Medals will be awarded to gold, silver and bronze placements (packages will be sent in the mail after the virtual Awards Ceremony).

COMMITTEE MEMBERS

Harold Bergmann	SAIT
Steve Woodard	Bev Facey High School
Ivan Mazuryk	Notre Dame High School
Josh Backer	Glendon School
Aaron Saunders	
Taylor Desjardins	
Tyler Wagner	

Last Updated February 8, 2021

