

2021 REGIONAL SKILLS CANADA COMPETITION



2021 Regional Skills Canada Competition

Contest Description (Scope Document)

March 4, 2021

CONTEST AREA: Carpentry		LEVEL: Secondary
Duration: 5.5 Hours		REGIONALIZED: Yes
COMPETITION SCHEDULE:		AWARDS CEREMONY INFORMATION: Please join us for a live virtual awards ceremony on March 25 th at 6:30PM.
Live Stream Test – March 1, 2021	3:00-4:00 p.m.	
Welcome and Check in	8:00 – 8:15 a.m.	
Safety/project orientation - MANDATORY	8:15 – 9:00 a.m.	
Competition	9:00 a.m. – 12:00 p.m.	
Lunch	12:00 – 12:30 p.m.	
Competition	12:30 – 3:00 p.m.	
COMPETITION FORMAT: (VIRTUAL/ IN SCHOOL)		
<p>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 safety policies. They will need to prepare their competition space with a FLOORPLAN AREA NOT TO EXCEED 14’ x 12’. All the required tools, equipment, materials, technology and activity needed to complete the competition will be housed in this workspace. Teachers and competitors will need to work together to ensure the competitor is ready for success on their competition day.</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. Competitors must always remain in the visible work area during the contest. Please ensure there is adequate audio and lighting provided for the competitor’s workspace.</p>		
<p>SAFETY: ALL competitors must follow the Safety Protocol of the participating schools. Please note: Attendance at Safety/Project orientation is mandatory for all competitors and supervisors. Competitors not in attendance will not be allowed to participate. 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/</p>		

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Please note: This contest description 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

- To evaluate each contestant's competency to organize and execute a given work assignment accurately and safely in the carpenter trade.
- To recognize outstanding excellence and professionalism.

SKILLS AND KNOWLEDGE TO BE TESTED

- Demonstrate skills and competency in interpreting prints, shop drawings, and specifications.
- Demonstrate the safe use of hand and power tools.
- Demonstrate acceptable site management, housekeeping, and best practices.
- Proficient knowledge and demonstration of skill in; framing, cutting and drilling materials, fastening techniques, joinery, determining angles & elevations.
- Quality, accuracy, and thoroughness of workmanship.
- Ability to complete an assignment within a specified time frame.

PROJECT DESCRIPTION

Please view the draft/practice project print and Contest Description. On the day of the Regional competition, competitors will access the competition dimensional print along with the evaluation sheet and Judge's Handbook.



Doghouse Frame

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EQUIPMENT & MATERIALS

***NOTE:** A \$250 competition resource subsidy is available to all competitors. It is intended to cover the cost of all materials and fasteners required to complete the project on the day of competition. The form can be accessed at the following link: <https://skillsalberta.com/additional-2021-competition-resources/>

Host School Provided Tools, Materials, and Equipment

Power Tools Equipment	Cordless Tool Requirements	Safety	Misc.
Corded/Cordless Circular Saw	Extra Batteries	First Aid Kit	Sawhorses
Corded/Cordless Drill	Battery Charger	Water	Drill Bits
Corded/Cordless Impact Driver			Driver Bits #2
Corded/Cordless Jig Saw			#8 Countersink Bit

* No additional hand tools, power tools or power tool accessories will be allowed during the competition.

Competitor / Host School Provided Tools, Materials, and Equipment

Measuring/Layout	Safety	Assembly Tools	Misc.
Pencils	CSA Approved Footwear – green triangle standard	Hammer	Non-Programmable Calculator
Metric Tape Measure	CSA Approved Hearing Protection	Screwdriver (Rob #2)	Carpenters Apron
Framing Square	CSA Approved Eye Protection		2-12" Speed Clamps (minimum)
Speed Square and/or	CSA Approved Hard Hat (as required)		Sanding Block



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Combination Square and/or	Gloves (Optional)	Disassembly Tools	Sandpaper
Sliding T-Bevel	Dust Mask (as required)	Nail Puller and/or	18 - 38 X 89 - 2440 Spruce (2" x 4" - 8')
Stair Gauges	Cutting Tools	Glazing Bar and/or	250 - 3" wood screws or 3 1/4 " coated nails 50 - 2" wood screws or coated nails
Chalk Line	Hand Saw	Cat's paw and/or	1 - 800 x 1200 x 19 (3/4" ply)
	Wood Chisels	Wonder Bar	
	Block Plane		

***NO personal electronic data devices (cell phones, smartphones, tablets, etc.) will be allowed during the competition.**

*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 not able to procure a certain item, please contact mikes@skillsalberta.com to inquire if additional arrangements can be made.

JUDGING CRITERIA

Safety/Clean-up	15%
Dimensions	35%
Construction	35%
Saleability	5%
Material Usage	10%
OVERALL TOTAL	100%



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TIE BREAKING PROCESS

If two or more participants are tied in points at the end of the competition, the following tie breaking procedure will be used:

- Step 1.** Participant with the highest Safety score.
- Step 2.** Participant who has completed the project in the least amount of time.
- Step 3.** Re-evaluate the projects with different judges.

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 participation if the competitor does not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

ALL competitors must follow the Safety Protocol of the participating schools.

Please note: Attendance at Safety/Project orientation is mandatory. Competitors not in attendance will not be allowed to participate.

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.

Safety Requirements: MANDATORY

- CSA approved footwear – green triangle standard
- CSA approved hard hat – when required
- CSA approved safety glasses. However, prescription glasses must conform to CSA regulations.
- CSA approved hearing protection.
- Suitable work clothing.

Competitors are required to follow all industry safety standards during the competition.

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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

CRA 3407	HAND TOOLS THEORY
CRA 3417	PORTABLE POWER TOOLS
CRA 3452	SKETCHING & DRAWINGS
CRA 3457	DRAWING PRINCIPLES
CON 1010	CONSTRUCTION TOOLS AND MATERIALS
CON 1070	BUILDING CONSTRUCTION
CON 1120	PRODUCT MANAGEMENT
CON 1130	SOLID STOCK CONSTRUCTION
CON 2035	FRAMING SYSTEMS - FLOOR
CON 2045	FRAMING SYSTEMS – WALL
CON 2050	ROOF STRUCTURES 1

ADDITIONAL INFORMATION

Skills Canada Alberta Regional and Provincial Rules and Regulations

[Regional and Provincial Rules and Regulations](#)

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).

Last Updated January 26, 2021



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COMMITTEE MEMBERS

Gary Halvorson (Chair)	Tony Lovell (Co-Safety Coordinator)
Paul Bettio (Associate Chair)	Len Lopatynski (Co-Safety Coordinator)
Kevin McKinley (Technology Lead)	Carpentry Provincial Technical Committee
Kevin MacKenzie (Regional Lead)	
Alan Kabotoff (Secondary Lead)	
Ron Bolokoski (Post-Secondary Lead)	