



TECHNOLOGICAL **SKILLS** CHALLENGES

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2025 DSBN REGIONAL CARPENTRY INDIVIDUAL SKILLS CHALLENGE SECONDARY LEVEL SCOPE

CHAIR: Jacob Piett & Paul Grummett
Laura Secord & A.N. Myer
Jacob Piett P: 905-934-8501 X-85036
jacob.piett@dsbn.org
Paul Grummett P: 905 358 5753 X-81502
paul.grummett@dsbn.org

PURPOSE OF THE CONTEST:

To test the competitor's theoretical knowledge, practical skills, and abilities pertaining to standards within the carpentry industry.

EVENT DETAILS:

Date: Wednesday March 5, 2025
Time: 8:00AM (Arrival & Setup) to 3:00PM (Clean-up & Judging)
Location: Castle Niagara Building & Design Centre 2880 Hwy 20

ENTRY: Students must register online at [DSBN Technological Skills Challenges 2025 Registration](#) with all the required information completed to be eligible to participate.

SKILLS AND KNOWLEDGE TO BE TESTED:

- Theoretical knowledge of carpentry and general practices.
- Blueprint reading and interpretation.
- Design and layout of building materials
- Construction/Assembly of a project
- Safe operation of hand and power tools.

SAFETY REQUIREMENTS:

Competitors are required to follow all "Industry Safety Standards" during the competition.

- It is mandatory for all competitors to wear CSA approved **EYEWEAR**.
- It is mandatory for all competitors to wear CSA approved **FOOTWEAR**.
- It is mandatory for all competitors to wear a CSA approved **HARDHAT (to be provided day of)**
- Jewelry such as rings, bracelets, and necklaces or any item deemed unsafe by the competition judges must be removed.
- Proper shop attire must be worn (NO LOOSE CLOTHING)

EQUIPMENT, MATERIALS, TOOLS, AND SUPPLIES:

Equipment Supplied by the DSBN Tech Department and Castle Building Centre:

- All lumber required to complete the project (delivered to Skills Challenge)
- All consumables (hardware/wood screws) to complete the project.

Hand Tools & Equipment Supplied by the Competitor:

- Carpenter's Belt
- Carpenter's Hammer(s)
- Hand Saw (for Bird's mouth)
- Imperial Measuring Tape(s)
- Pencils
- Framing Square
- Speed Square(s)
- Level(s)(straight edge)
- ***Chalk Line
- *****BROOM, DUST PANS & GARBAGE CONTAINER*****

CLOTHING REQUIREMENTS:

- Competitors are to be dressed in a clean appropriate manner.
- Competitors are to wear DSBN technology shirts.
- Competitors are not permitted to wear clothing with any other logo than the DSBN.
- Safety Glasses, CSA Footwear and Hard Hat Required at "ALL TIMES".
- Any added PPE as per safety policies.

PROJECT AND COMPETITION EXPECTATIONS:

- To be disclosed on **Thursday, February 13, 2025**
- **Students are required to bring their own copy of the plans as well as their own cultist(s)**

JUDGING CRITERIA:

- Judging will be conducted by specialists in Carpentry with the following rubric:

Criteria		Marks	Comments
Doghouse Floor System	Spacing	/5	
	Size	/5	
Doghouse Wall System	Back Wall (Plates, Studs and Dimensions)	/5	
	Side Walls (Plates, Studs and Dimensions)	/10	
	Front Wall (Plates, Studs, opening, and Dimensions)	/10	
Doghouse Roof System	Rafters (Birdmouths, angle and Dimensions)	/10	
	Fascia/sheathing	/10	
	Overall Slope/Plane	/10	
General	Overall Aesthetic (Square, Even, flush, Trimmed)	/15	
	Safety	/10	
	Clean Workspace	/10	
Overall		/100	

- The trade skill component of this challenge is worth approximately **90%** of the overall mark. The judges will also evaluate the competitor's working knowledge of construction safety, level of independence, and clean-up. Competitors will receive the blueprints and the evaluation three (3) weeks prior to the day of the challenge. At the provincial level, students will be expected to be prepared with a resume and must complete a job interview component.

ENTRY:

- Students must be registered online prior to the **Competition Dates: March 5, 2025** with all of the required information completed to be eligible to participate.

TRANSPORTATION:

- Teachers and students are responsible for their own transportation to and from their respective schools on the day of the Carpentry Challenge.

TEACHER'S ROLE:

- Instructors are expected to acquaint their student participants with all of the enclosed guidelines. Teachers/Guests may accompany their students or visit any time during the competition, ***“But may not assist their own competitors during the challenge.”***

****Please Note:** Judges will be instructed to deduct marks from participants that are deemed to be receiving instructions from TEACHERS/Mentors during the build.**

SPECIAL INSTRUCTIONS AND GUIDELINES:

- The use of pneumatic tools is “PROHIBITED”
- Teachers and competitors are responsible for the removal of the project at the end of the Carpentry Challenge.

COMPETITION AGENDA:

<p>8:00 a.m. Arrival at Contest Site & Set Up - (Castle Niagara, 2880 Hwy 20) 8:15 a.m. Orientation & Opening Remarks 8:30- 8:45 a.m. Competition begins 11:30 a.m.-12:00pm ***** Lunch (will be provided) ***** 2:30 p.m. Clean up - (Competitors/Schools are responsible for removal of Waste) 3:00 p.m. Competition Ends - Final Judging and Closing Remarks</p>

**** Each competitor will be given a number by their coordinator upon registration at the location and will be judged anonymously during the competition.**

LOCATION:

Castle Niagara Building & Design Centre 2880 Hwy 20, Fonthill, ON

<https://maps.app.goo.gl/ATDFg7Utqf63E6Mw6>