

DSBN REGIONAL PLUMBING SKILLS CHALLENGE 2024 SECONDARY LEVEL SCOPE

CHAIRS: Scott Wade & Brad Snively

Stamford Collegiate and St Catharines Collegiate

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PURPOSE OF THE CONTEST:

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

EVENT DETAILS:

Date: Thursday, March 7, 2024

Time: 8:00AM (Arrival & Setup) to 2:30PM (Clean-up & Judging)

Location: Stamford Collegiate, Niagara Falls

ENTRY: Students must register online at <u>DSBN Technological Skills Challenges 2024</u> Registration with all the required information completed to be eligible to participate.

SKILLS AND KNOWLEDGE TO BE TESTED:

- Theoretical knowledge of plumbing and general practices.
- Blueprint reading and interpretation.
- Design and layout of materials

- Accurate 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**.
- 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 Mark's Plumbing Supply:

- All copper and Pex pipe, fittings and Push Connect fittings required to complete the project (delivered to Skills Challenge)
- All consumables (solder, flux paste, etc) to complete the project.

All Portable Power Tools Supplied By DSBN Tech Department

Hand Tools & Equipment Supplied by the Competitor/Home School:

- 1lb Propane soldering tank and torch
- 2" and 1" copper tubing cutter
- Hand Saw (optional)
- Imperial/Metric Measuring Tape
- Permanent sharpie marker/calculator
- Striker for Torch
- Paste/Flux with brush
- Sand/Grit Cloth
- ½ » fitting Brush
- Lead Free Solder
- Copper Reaming Tool
- Cleaning rags
- 1/2" Pex Crimping tool, fittings and rings
- Pex tubing cutter
- 2 of 6" Slip joint pliers
- Pex "Go no Go" gauge
- Pex Depth gauge
- ***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 Required at "ALL TIMES".
- CSA Approved safety footwear required.
- Any added PPE as per safety policies.

PROJECT AND COMPETITION EXPECTATIONS:

• To be disclosed on Wednesday, February 14, 2024

JUDGING CRITERIA:

• Judging will be conducted by specialists in Plumbing with the following rubric:

Criteria	Earned Points	Possible Points	Comments
Worksite Safety & Site Cleanup		10	
Preparedness		5	
Accuracy of Project, Fit, Finish & Appearance ■ Points deducted per 1/8"	/15 /15 /15 /15 /15 /15	75	
Project Completion	2.5 2.5 2.5 2.5 2.5	10	
TOTAL		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 one (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 6,
 2024 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 the day of the Plumbing Challenge.

TEACHER'S ROLE:

 Instructors are expected to acquaint their student participants with all of the enclosed guidelines. Teachers 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 during the build.

SPECIAL INSTRUCTIONS AND GUIDELINES:

Respective students' school will keep

COMPETITION AGENDA:

LOCATION: 34 Catherine St, St. Catharines, ON L2R 5E7

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