

<b>DATE:</b> April 12 2024	<b>LOCATION:</b> NSCC Akerley Campus
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**Schedule**

<b>TIME</b>	<b>TASK</b>
7:30 am- 8:00	Orientation
8:00 am – 10:00 am	Competition
10:00 am – 10:15 am	Break
10:15 am – 12:00 pm	Competition
12:00 pm – 12:30 pm	Lunch (provided)
12:30 pm – 2:30	Competition
2:30pm – 2:45pm	Break
2:45pm- 4:00pm	Competition Ends / Judging

**Purpose of the Contest**

The purpose of the plumbing competition is to exhibit the attitude, skills, and talent required to complete a challenging plumbing project.

**Criteria**

The criteria of this competition will be for the students/apprentice plumbing learners to compete with safety first and foremost on their minds. They have the opportunity to show their quality of work, personal goals, while developing and building relationships with other apprentices and accepting the decisions of the judges with the final outcomes.

**Number of Stations / Allocations**

There will be ten (10) spaces.

**Skills & Knowledge to be Tested**

- Submit isometric drawings and material list for assessment.
- Calculate lengths, measurements and fitting allowance and various piping offsets.
- Apply safe work practices.
- Assemble piping project as represented in the drawing.

- Use various pipe and joining methods including but not limited to the following types of pipe and fitting systems – ABS, PVC system 15, Cast-iron, pex (various fitting systems), Viega Propress and copper to name some;
- Set a plumbing fixture
- Perform an air test.
- Pipe Bending

### Prerequisites

- Post-Secondary competitors must meet the following criteria in the current school year:
- Be enrolled in a community college, university, private school OR be a registered apprentice with the Department of Labour and Advanced Education (Apprenticeship Agency);
- Be registered as a competitor with Skills Canada – Nova Scotia;
- The competitor cannot be a certified journey-person;
- Possess Canadian citizenship or Permanent Resident (Landed Immigrant) status and be a resident of Nova Scotia; or be a registered International Student. Competitors are responsible for verifying this information if requested;
- Have been earning post-secondary credits in a sector relevant to the one in which they wish to compete (i.e. to compete in carpentry, the student would be earning credits in any construction-related trade) at any time during the academic school year (September to June);
- All competitors must be able to show either current apprenticeship status and/or proof of enrollment in a post-secondary institution upon request of the Provincial Technical Committee (PTC) or Skills Canada – Nova Scotia.
- Have completed and submitted a signed release form

### Equipment & Clothing

#### What Will Be Supplied

- All piping and fittings and necessary pipe joining tools;
- Solder;
- Paste;
- Cleaning cloth;
- Cleaning brushes;
- PVC cement;
- Rubber / latex gloves for glue, if necessary;
- Screws;
- Propane.
- Propress tool.

#### What Competitors Must Supply

- Safety glasses;
- Hard hat;
- CSA Approved boots;
- Gloves for soldering (leather or Kevlar);
- Coveralls or overalls;
- Measuring tape;
- Pencil;
- Torpedo level;
- Calculator;
- Hacksaw;
- Copper tube cutters;
- Red Robertson Screwdriver;
- Torch for soldering;
- Flint Striker;
- Philips Screwdriver;
- Pair of Channel locks;
- 2- adjustable wrenches;
- Pex cutters;
- IPT hand book.
- Hammer
- Cordless Drill
- Canadian Plumbing Code 2015/2020
- 5/16<sup>th</sup> nut driver

#### Evaluation & Judging Criteria

<b>POINT BREAKDOWN</b>	<b>/ 100</b>
Accuracy of installation	50%
Quality of Work	30%
Pressure Test	10%
Safety	10%
<b>TOTAL</b>	<b>_____ / 100</b>

No ties are permitted

#### PTC Contact Information

<b>Name</b>	<b>Employer</b>	<b>Email</b>
NSCC		
Ronda Frigault- Chair	NSCC	Ronda.frigault@nsc.ca
Greg Pope	UA Local 56	training@local56.ca
Robb Riggs	NSCC	Robb.riggs@nsc.ca