

2026 Provincial Skills Canada Competition

Contest Description

Edmonton Expo Centre, Edmonton

May 6 & 7, 2026

EVENT: Steamfitter/Pipefitter	LEVEL: Post-Secondary																								
DURATION: 12hrs (Two Days)	LOCATION: Hall A, Edmonton EXPO Centre, Edmonton																								
COMPETITION SCHEDULE:																									
May 6:	May 7:																								
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Please Note: This 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 assess the competitor's knowledge and skills in the fabrication of a piping system and components, with high regard to the aspects of quality, workmanship and accuracy of work.

SKILLS AND KNOWLEDGE TO BE TESTED

- Applying mathematical concepts involving planning, measuring and layout of a piping system.
- Interpretation and application of blueprint specifications.
- Assembling and fabricating a piping system
 1. measure, cut and fabricate copper and carbon steel pipe spools and fittings
 2. use fabrication tools & equipment to join pipe and fittings
 3. applying safe work practices
- Assemble and fabricate a heating system and related components
 - measure, cut, thread and install a heating system (hydronic – steam)
 - apply safe work practices

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Tasks that may be Performed During the Competition*

- Applying mathematical concepts involving offsets
- Interpreting and applying the blueprint specifications
- Assembly of various pipe and fitting systems
 1. Carbon steel threaded
 2. Copper /compression /ProPress
 3. Fabrication of strut-based hangers and supports
- Apply safe work practices
- All dimensions shall be in millimetres
- All dimensions will be taken from the designated centerline or benchmarks unless directed otherwise
- Tool inspection prior to event or the evening before competition
- There **will not** be any onsite pipe joinery technique instruction
- Proper insertion for all pipe joints is mandatory
- It is to be understood that throughout the competition, safety and project judging will be ongoing
- No project specific aids, tools or jigs allowed
 - * Dimensions may be modified before competition

EQUIPMENT AND MATERIALS

Equipment and Materials Supplied by the Committee:

Power Vises	Benches, Vises, And/or Tables	2' Level
2 Foot Square	Combination Square	9" Level
Propress Crimping Tool	Propress Depth Gauge	Tube Deburring Tool
8", 12" Adjustable Wrench	Half-Round Bastard File	Permanent Sharpie Marker
Soap Stone + Holder	Copper Tubing Cutters 1/4"-1" OD	Teflon Tape
Master Pro-Dope, Brush Top	Combination Wrench Sets (7/16 – 1-5/8)	Ball Peen Hammer
Channel Locks	6' Stepladder	Power Cords
Welding Gloves, Fitters Glove	Non-Prescription Safety Glasses	Face Shields
Hack Saw	Ready Rod Cutter	Torque Wrench
Hearing Protection	Emery Cloth	Calculators

****No other tools other than the tools listed above, will be allowed into competition area.**

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Equipment and Materials Competitors Must Supply:

- No further equipment and materials will be required by the competitor.

Note: No cell phones or electronic devices allowed

Competition Specific Rules

The following Competition Specific rules along with SCA's overall Policies and Procedures provide specific details in competition areas that may vary from one another. Any additional contest rules will be reviewed during the Competitor Orientation.

Topic/Task	Contest Specific Rule
Use of Technology	Competitors are not allowed laptops, tablets, cameras, cell phones, ear buds, calculators or other personal electronics in the competition area unless specified by the committee for certain tasks.
Tool Usage	All tools and material will be supplied. Competitors cannot bring in their own tools, equipment or materials into the competition area.

JUDGING CRITERIA

POINT BREAKDOWN – PROGRESS FABRICATION	/100
Correct measurements	20%
Orientation	15%
Alignment	15%
Grade	10%
Attachments	10%
Joint Preparation (deburring and depth)	10%
Joining Practises	10%
Safe work practices (deduction)	10%
Point deduction: Full points for dimensions within 2mm Half points for dimension within 3-4mm Points deduction for each material item request Points deduction for each deviation from plan	= 100%

POINT BREAKDOWN – HEATING FABRICATION (threaded)	/100
Correct measurements	15%
Orientation	15%
Threading Procedure	10%
Use of Thread Lubricant	10%

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Tightening	10%
Proper Fitting Sequence	10%
Grade	10%
Neatness	10%
Safe Work Practices (deduction)	10%
Point deduction: Full points for dimensions within 2mm Half points for dimension within 3-4mm Points deduction for each material item request Points deduction for each deviation from plan	= 100%

TIE BREAKING PROCESS

In the event of a tie, the winner will be determined by the time of completion of all the projects combined.

REQUIRED CLOTHING (Provided by Competitor)

Coveralls /Overalls* (*long sleeves required)

No jewellery

Long hair must be safely secured

SAFETY REQUIREMENTS (Provided by Competitor)

CSA approved safety shoes

Prescription safety glasses (if required)

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.

ADDITIONAL INFORMATION

Skillz & Thrillz Podcast

Check out our podcast – Skillz & Thrillz: Alberta’s Trade & Tech Youth Podcast. Our talented alumni share tips and tricks on how to succeed in competitions and your career! Their insights can help you prepare for your Skills journey, and who knows, you might just be a future guest!

<https://skillsalberta.com/student-resources/skillz-thrillz-albertas-trade-tech-youth-podcast/>

Skills Canada Alberta Regional and Provincial Rules and Regulations

[Regional and Provincial Rules and Regulations](#)



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Test Project Change at the Competition

Where a Test Project has been circulated to competitors in advance, the PTC can change the project up to a maximum of 30% of the work content for the competition.

Lunch

Lunch for competitors will be provided by Skills Canada Alberta.

Parking & Venue Maps

Parking is FREE for all attendees.

Attendees **MUST** register for FREE parking by clicking the below link. Attendees can pre-register their vehicle at anytime prior to the PSCC or register onsite at the PSCC.

<https://www.offstreet.io/events/CBLHM7U1>

<http://edmontonexpocentre.com/attend/parking/>

Opening Ceremonies / Competitor Onsite Registration

Opening Ceremonies for the PSCC will take place on Tuesday May 5, 2026, at 6:00 pm in Hall D of the Edmonton EXPO Centre. Admission is free, and everyone is welcome to attend. It is important to note that competitor registration will open immediately following the Opening Ceremonies.

Awards Ceremony

The Awards Ceremony will take place on Thursday May 7, 2026, at 6:30 pm in Hall D of the Edmonton EXPO Centre. Admission is free and everyone is welcome to attend. The Awards Ceremony will be shown live at <http://skillsalberta.com/>

Team Alberta Information

Team Alberta will be selected at the PSCC Awards Ceremony. Gold medalists will then be eligible to participate at the Skills Canada National Competition (SCNC) on May 27- May 30, 2026, in Toronto, Ont. It is recommended that competitors review and become familiar with the SCNC contest description and project at

<https://www.skillscompetencescanada.com/en/event/skills-canada-national-competition-2026/>

During the PSCC Awards Ceremony on Thursday May 7, 2026, Gold medalists will be given their Team Alberta information package and will confirm their participation in the SCNC. Students must be present at the Awards Ceremony to claim their position on Team Alberta. If the Gold medalist is not able to attend SCNC, the next highest-ranking individual will be asked to participate. If a student is not able to attend the Awards Ceremony an email confirming the student's interest in Team Alberta participation must be emailed to javierad@skillsalberta.com prior to the start of competition on May 6, 2026.



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Please prepare your students in advance to accept a position on Team Alberta and review how your school will support their participation.

Please see this link for additional Team Alberta information: <https://skillsalberta.com/team-alberta/>

Questions?

Please contact Mike Sury MikeS@SkillsAlberta.com

COMMITTEE MEMBERS

Ryan Buhler	Rob Elliott	Chris Waples
David Johnston	Darryl Magas	Rob McCrea
Chad Baron	Graham Hammel	Richard Hardie
Shawn Corbin		

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Example Project

