



2026 North West Regional Skills Canada Competition

Contest Description

Northwestern Polytechnic (NWP) Fairview Campus

March 27, 2026

EVENT: Robotics		LEVEL: Secondary
DURATION OF CONTEST: 3 – 5 HOURS (DEPENDENT ON THE NUMBER OF ENTRIES)		LOCATION: NWP Fairview Campus - Atrium
COMPETITION SCHEDULE:		REGIONALIZED: NO If YES, To compete at the Provincial Skills Canada Competition students must qualify at their Regional Skills Canada Competition.
ORIENTATION	March 27 – 8:45 am	
COMPETITION	March 27 – 9:00 am – 12:00 pm	
LUNCH	March 27 – 12:00 pm – 12:30 pm	
COMPETITION	March 27 – 12:30 pm – 3:30 pm	
AWARDS CEREMONY INFORMATION: March 27 @ 6 pm in the NWP Fairview Campus Theatre		

CONTEST INTRODUCTION

Purpose of the Challenge

To create engineering projects to encourage individuals with different skill sets to form con operative teams to design, fabricate and operate a robot or multiple robots.

Skills and Knowledge to be Tested

The intent of the challenge is to have teams of students independently designing / fabricating / operating robots capable of completing the competition tasks in competition with other student fabricated robots. Teams are not allowed to develop or implement strategies based on interfering with their opponent's ability to complete the competition task set.

Tasks That may be Performed During the Contest

- A team will consist of two competitors

Project Description

The NW AB Regional Skills Competition duplicates the Alberta Skills Canada (Provincial) challenge with the exception of the following changes:

- Competition will be held in the NWP Administration Building Atrium with a playing surface of 16ft x 8ft. This is a half-court, intended for one team at a time.
- Competition will only be a single day, and have no 'Build On-site Task'.

EQUIPMENT & MATERIALS

Equipment and Materials Competitors Must Supply:

- Robots and Robot accessories (including batteries, battery charger, spare parts)
- Various tools required to modify and repair robots on site
- 25-foot multi-outlet extension cord/power bar
- Wiring diagram
- Safety Data Sheet for Batteries
- Easily accessible fuses
- Easily accessible kill switch(es)
- Laptop(s)

Equipment and Materials Supplied by the Committee:

- Worktable with access to a 120V power outlet
- Playfield

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
Pre-built Robot Task	<ul style="list-style-type: none"> • Competitors will compete in the Pre-built Robot task during the competition. This is described in detail in the Provincial project documents.
Safety Mark	<ul style="list-style-type: none"> • Safe operation and safe workspace practices.
Internet	<ul style="list-style-type: none"> • Competitors are not allowed Internet, cell or data access during the competition.
Use of Technology	<ul style="list-style-type: none"> • Competitors are not to be in possession of their phones during the competition. • Use of technology is limited to a laptop (with no Internet or cellular connection).
Use of Artificial Intelligence (AI)	<ul style="list-style-type: none"> • Competitors cannot make use of AI or any surrounding tools during the competition.

JUDGING CRITERIA

As per Provincial Skills Canada Competition documents.

TIE BREAKING PROCESS

As per Provincial Skills Canada Competition documents.



ADDITIONAL INFORMATION

Lunch: Provided for all competitors. Unfortunately, all allergies may not be able to be accommodated for. Please connect with the local Regional Coordinator for more information.

Parking & Maps: <https://www.nwpolytech.ca/about/campus-maps>

Regulations & Policies: View the Skills Canada Alberta Regional Regulations & Policies here <http://www.skillsalberta.com/policies-and-procedures>

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/>

REGIONAL COMMITTEE MEMBERS

Jason Martin
Caidyn Martin