2024 North West Regional Skills Canada Competition
Contest Description (Scope Document)
Northwestern Polytechnic (NWP) Fairview Campus
April 18 & 19, 2024

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
ORIENTATION	April 18 - 6:00pm	**If YES, To compete at the Provincial Skills Canada Competition students must qualify at their Regional Skills Canada Competition.**
COMPETITION	April 19 - 9:00am - 12:00pm	
LUNCH	April 19 - 12:00pm - 12:30pm	
COMPETITION	April 19 - 12:30pm - 3:30pm	

AWARDS CEREMONY INFORMATION: April 19 @ 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 co-operative teams to design, fabricate and operate a robot or multiple robots.

Mission Statement:
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.

SKILLS AND KNOWLEDGE TO BE TESTED
- Drafting
- Mechanics
- Electronics
- Computer Programing
- Metalwork
- Woodworking
- Communications

PROJECT DESCRIPTION

****Please print off the 2024 Robotics Provincial Contest Description as it is referred to several times throughout the contest description**

NORTHWESTERN POLYTECHNIC

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

  o Competition will be in NWP Administration Building Atrium with a playing surface of 16ft x 16ft square
  o It will be held April 19, 2024

EQUIPMENT & MATERIALS
Equipment and Materials Competitors Must Supply:
Please refer to page 2 of the Provincial Contest Description.

Equipment and Materials Supplied by the Committee:
Please refer to page 2 of the Provincial Contest Description
***Bullet point 3 refers to the winner of the Provincial competition and is therefore not relevant to the Regional Competition.

JUDGING CRITERIA
Please refer to the Provincial Contest Description.

TIE BREAKING PROCESS
PLEASE REFER TO PAGE 3 OF THE PROVINCIAL CONTEST DESCRIPTION

RELATED CAREER AND TECHNOLOGY STUDIES COURSES
Descriptions of all modules are located at the following website:
https://education.alberta.ca/career-and-technology-studies/programs-of-study/

CLOTHING REQUIREMENT
It is important that competitors present a professional image and appearance. Appropriate work clothing must be worn to compete. All clothing must be neat and clean and free of rips and tears. Casual wear such as shorts will not be permitted. No loose fitting clothes or jewelry.

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

Lunch will be 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 information & venue maps:
Regulations & Policies: A copy of the Skills Canada Alberta Regional Regulations & Policies can be found at the following link: http://www.skillsalberta.com/policies-and-procedures

COMMITTEE MEMBERS

Jason Martin			