

Skill #	Skill Name
<input type="checkbox"/> Secondary	<input type="checkbox"/> Post-Secondary
Date of Competition:	Location of Competition:
Maximum Capacity (choose one) <input type="checkbox"/> Competitors:  <input type="checkbox"/> Teams & Max number of Competitors per team: i.e., 5 teams with 2-5 competitors per team	1 competitor or 1 team per Secondary School <u>unless otherwise noted.</u> Maximum Competitor/ Team allowance may be subject to change due to unforeseen space limitations.
Provincial Technical Committee Chair: Name: Email:	Provincial Technical Committee Chair: Name: Email:

Competition Schedule	Competition is 1 Day Only
Check-in time	
Orientation	
Project Start	
Contest Completion	

## 1. SKILLS FOR SUCCESS

In response to the evolving labour market and changing skill needs, the Government of Canada has launched the new Skills for Success (former Essential Skills) model defining nine key skills needed by Canadians to participate in work, in education and training, and in modern society more broadly.

The following 9 skills have been identified and validated as key skills for success for the workplace in the legend below:

The key Skills for Success in this career path are **Reading | Numeracy | Writing | Digital | Problem Solving | Communication | Collaboration | Adaptability | Creativity & Innovation**

## 2. PURPOSE OF THE COMPETITION | SKILLS & KNOWLEDGE TO BE TESTED

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. 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.

### 3. SAFETY

Safety is the top priority at the Provincial Skills Competition. All participants in the SCS Provincial Competition must meet the designated safety requirements for their respective event areas. These safety requirements will be thoroughly explained during the orientation with all the competitors. It is essential to adhere to these safety guidelines, as failure to do so will result in non-participation in the competition.

### 4. PREREQUISITES

#### *Contest-Specific Prerequisites or Limitations*

Competitors should be familiar with the Scope, Project, and all Appendices released for this competition.

### 5. EQUIPMENT

#### *a. What Will Be Supplied by Facility:*

- Exclusive Use Playing Fields for each Team's Game and Evaluated Robot Experiences
- One worktable with access to a 120 V Power outlet (minimum 100W) per team.

#### *b. What will be supplied by SCSPC/Sponsor:*

#### *c. What 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)

### 6. CLOTHING | UNIFORM | ATTIRE REQUIREMENTS

#### *a. What Will Be Supplied by SCSPC*

#### *b. What Competitors Must Supply*

Closed toe footwear.

## 7. PPE

### a. *What Will Be Supplied by SCSPC*

### b. *What Competitors Must Supply*

- Safety Glasses
- Ear plugs (if required by ESR)
- Closed toe shoes

## 8. EVALUATION & JUDGING CRITERIA

### a. **Points Breakdown:** This information is subject to change

ITEM	POINT VALUE / PERCENTAGE
Teleoperated Task	75
Autonomous Task	24
Safety Mark	1

### b. **Ties are NOT allowed.**

- Ties in individual games are allowed. No ties in overall mark total are allowed.
- If a tie in overall marks occurs, the tie will be broken by examining the following individual mark categories in this order:
  - Tiebreaker #1: Comparison of the tied team overall points scored totals in all tournament games each team played. If the teams remain tied, then:
  - Tiebreaker #2: Comparison of each team total marks awarded in the "Autonomous Robot Section."
  - Tiebreaker #3: Comparison of the tied team total marks awarded based on their 20 tournament play individual games (total # of individual game losses = 0 marks / total # of individual game ties = 1 mark / total # of individual game wins = 2 marks).

## 9. SKILL SPECIFIC COMPETITION RULES

SKILL Specific Rules cannot contradict or take priority over the Competition Rules.

COMPETITION SPECIFIC RULE
Competitors will compete in the Teleoperated task and the Autonomous Task during the 1 day of competition. This is described in detail in the project document.

NOTE: Any additional competition rules will be reviewed during competitor orientation.

## 10. PTC CONTACT INFORMATION

NAME	Association/Organization	Email
Dave Dalton	Rossignol High School	ddalton@icsd.ca

## 11. ADDITIONAL NOTES

### ***Ethical Conduct:***

- *We expect all competitors to participate in the competition with fairness, respect, and adherence to the established rules, embodying the true spirit of Skills Canada Saskatchewan.*
- *Our competitions are designed to be positive and supportive environments, showcasing student skills in various areas and promoting different trades. Honesty, integrity, and fair play are highly valued, and any form of abusive or berating behavior towards others will not be tolerated.*

### ***Competition Results and Progression:***

- *Gold-level winners of the 2024 Skills Canada Saskatchewan Provincial Competition may have the opportunity to advance to the Skills Canada National Competition.*
- *Medals will be awarded to participants achieving gold, silver, and bronze placements. This does not guarantee an invitation to the Skills Canada National Competition.*
- *A comprehensive ranking of the Provincial Competition results will be available on the website the week following the competition [www.skillscanadasask.com](http://www.skillscanadasask.com)*
- *The National Competitions for qualifying Secondary and Post-Secondary participants will be held in-person in Quebec City the week of May 27-31, 2023.*

### ***Certificate of Participation:***

- *Competitors who fully participate in the Provincial Competition are eligible for a Certificate of Participation.*
- *All participation certificates will be mailed out to participants after the competition concludes. This is a great addition to your resume portfolio.*

### ***Infractions and Mark Deductions:***

- *Any infractions of the contest scope, project outline(s), and rules will result in appropriate mark deduction(s) at the discretion of the Tech Chair(s)/Judge(s).*
- *Not all infractions lead to automatic disqualification unless explicitly stated in the competition scope.*
- *Decisions regarding mark deductions or possible disqualifications will be reviewed by the Tech Chair(s) and Director of Competitions.*

*We encourage everyone to approach the competition with a positive and supportive attitude, demonstrating good sportsmanship and respect for fellow participants and organizers. We have come together to celebrate skills and trades, fostering an environment of growth and mutual support.*

## 12. SKILLS CANADA CONTACT INFORMATION

<p><b>Skills Canada Saskatchewan</b></p> <p>3634 Millar Ave. Saskatoon, SK S7P 0B1</p> <p><a href="mailto:infosask@skillscanada.com">infosask@skillscanada.com</a></p> <p>(306) 373 6035</p>	<p><b>Jayden Leister</b> Executive Director <a href="mailto:jaydenl@skillscanada.com">jaydenl@skillscanada.com</a></p> <p><b>Heidi Friesen</b> Lead Competition Coordinator <a href="mailto:heidif@skillscanada.com">heidif@skillscanada.com</a></p> <p><b>Adrianne Markham</b> Program and Events Coordinator <a href="mailto:adriannem@skillscanada.com">adriannem@skillscanada.com</a></p>
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