



## 2026 Lakeland Regional Skills Canada Competition

### Contest Description

Trades Centre, Lakeland College, 5707 College Drive, Vermilion, AB

February 27, 2026

<b>EVENT:</b> Electrical Installations		<b>LEVEL:</b> Secondary										
<b>DURATION OF CONTEST:</b> 6 HOURS		<b>LOCATION:</b> TC132, Trades Centre Carpentry Shop										
<b>COMPETITION SCHEDULE:</b> <table><tr><td>REGISTRATION</td><td>7:30AM - 7:45AM</td></tr><tr><td>ORIENTATION</td><td>7:45AM - 8:00AM</td></tr><tr><td>COMPETITION</td><td>8:30AM - 11:30AM</td></tr><tr><td>LUNCH</td><td>11:30AM - 12:00PM</td></tr><tr><td>COMPETITION</td><td>12:00PM - 3:00PM</td></tr></table>		REGISTRATION	7:30AM - 7:45AM	ORIENTATION	7:45AM - 8:00AM	COMPETITION	8:30AM - 11:30AM	LUNCH	11:30AM - 12:00PM	COMPETITION	12:00PM - 3:00PM	<b>REGIONALIZED: NO</b> If YES, To compete at the Provincial Skills Canada Competition students must qualify at their Regional Skills Canada Competition.
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<b>AWARDS CEREMONY INFORMATION:</b> Alumni Hall (AH Cafeteria) 4:00 PM												

### CONTEST INTRODUCTION

The purpose of the Secondary Electrical competition is to provide high school students (referred to as secondary competitors) with an opportunity to compete with their peers in the practical application of the Canadian Electrical Code. It is understood that secondary students have not had the opportunity to attend post-secondary electrical training. However, many students are able to learn electrical skills via their high school programs, work experience(s) and/or RAP placements.

### SKILLS AND KNOWLEDGE TO BE TESTED

- Interpreting and using basic electrical design & diagrams of a physical facility.
- Wiring (AC90 & NMD) a sub panel and various branch circuits using standard trade practices, complying with relevant sections of the current CEC. Wiring will be fished/pulled to various circuits.
- Basic conduit bending. (EMT) may include offsets, saddles, 90 degree bends and strapping.
- Determining adequate protection for equipment and components.

### PROJECT DESCRIPTION

Competitors will be introduced to basic skills of the electrical wiring trade. They will interpret and use basic electrical design and diagrams, wall mount a panel and determine the adequate protection for equipment and components.

## EQUIPMENT & MATERIALS

### Equipment and Materials Competitors Must Supply:

Pencil	Measuring tape (metric)	Side cutters
Long nose pliers	Flat screwdrivers	Water pump pliers
Hacksaw and blades	Linesman pliers	
Claw hammer	Robertson screwdriver (black/red/green)	Philips screwdriver
Wire strippers	Electricians' knife (no snap off blades)	5/8" Auger bit
Tapping tools (6/32 & 8/32)	Magnetic torpedo level	Half round or round file
CSA Approved Footwear (green triangle standard)		Suitable work clothing
CSA Approved: Eyewear and Hard Hat (Loaners will be available)		Gloves

### Equipment and Materials Supplied by the Committee:

Cordless Drills (Competitors must use drills provided by the Committee)	Conduit benders
Ladders	Canadian Electrical Code – current edition (will be available for use)

\* No additional power tools or power tools accessories will be allowed during the competition.

\* Any tool or equipment not contained in the scope will be inspected and approved/removed by a regional committee member.

## 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 <b>not allowed</b> laptops, tablets, cameras, cell phones, ear buds, calculators or other personal electronics in the competition area unless specified by the committee for certain tasks.
Use of Artificial Intelligence (AI)	Competitors <b>cannot</b> use AI to develop/generate any of the submitted work for any aspects of the competition.
Equipment	All tools may be inspected before the competition. Electrical outlets will be made available for each competition site.



## **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.

### **Safety Requirements: MANDATORY**

- **CSA approved footwear – green triangle standard (Competitor)**
- **CSA approved hard hat (Provided by Competitor, loaner may be available)**
- **CSA approved safety glasses (Provided by Competitor, loaner may be available) (Prescription glasses must conform to CSA regulations.)**
- **CSA approved glove protection (when using knife or hack saw)(Competitor)**
- **Suitable work clothing (Competitor)**
- **Competitors are required to follow all industry safety standards during the competition.**

### **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. Competitors may bring work gloves to wear but are not mandatory.

## **JUDGING CRITERIA**

- Observance of Occupational Health and Safety rules
- Observance of Canadian Electrical Code regulations
- Interpretations of diagrams, plans and estimates
- Installation techniques
- Planning and organization of work
- Choice and economical use of materials
- Installation techniques: location of devices and conduit
- Verification of function
- Identification of circuit breakers
- Connection of conductors
- Housekeeping



#### **TIE BREAKING PROCESS**

- Compare the overall time used by competitors to complete the project

#### **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, Neil Napora, for more information. [neil.napora@lakelandcollege.ca](mailto:neil.napora@lakelandcollege.ca)

#### **Parking & Maps:**

[https://lakelandcollege.ca/resources/about/campuses/Vermilion\\_CampusMaps.pdf](https://lakelandcollege.ca/resources/about/campuses/Vermilion_CampusMaps.pdf)

**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 MEMBER**

DAVID BATES
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