



## DSBN REGIONAL ELECTRICAL WIRING CHALLENGE 2017 SECONDARY LEVEL SCOPE

**CHAIR:** Marc Demers, E.L.C.S.S.

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### PURPOSE OF THE CONTEST:

- To evaluate competitors' abilities and wiring techniques.
- To recognize outstanding performances and professionalism in the field of residential electrical wiring.

### EVENT DETAILS:

Date: Wednesday March 01, 2017

Time: 8:30am – 2:30pm

Location: Niagara College Welland Campus, Rankin Building rm. TC 76

### SKILLS AND KNOWLEDGE TO BE TESTED

Competitors will be expected to perform competently in all aspects of residential wiring installations with respect to the following:

- Perform the assigned task from given drawings and specifications.
- Conform the assigned work to the rules and regulations of the Canadian Electrical Safety Code.
- The assigned task will require a thorough working knowledge in any or all of the following aspects relating to residential electrical wiring:
  - Safety rules and practices in the electrical construction field.
  - Proper use of tools, materials and equipment.
  - Basic electrical theory, circuitry, schematics, blueprints.
  - Application and interpretation of the Canadian Electrical Safety Code.
  - Installation of all types of outlet boxes and related equipment and devices.
  - Trouble shooting of the installation should any problems arise.

**SAFETY REQUIREMENTS:**

Competitors are required to wear safety glasses, safety shoes, and hard hat (supplied), and to follow industry safety standards during the competition related to the electrical field.

**EQUIPMENT, MATERIALS, TOOLS AND SUPPLIES:**

All equipment, and materials are provided. Competitors are encouraged to bring their own tools.

**CLOTHING REQUIREMENTS:**

Casual work attire must be worn with DSBN Technology shirts. Contact your school Technology department for your shirt.

**JUDGING CRITERIA:**

Practical portion will consist of various wiring tasks to be completed within a set time limit.

**JOB INTERVIEW COMPONENT:**

All students should be prepared with a resume, an interview workshop will be held for gold medalists moving on to provincial competitions.

**ENTRY:**

Students must register online at: <http://teched.dsbns.org/> with all of the required information completed to be eligible to participate. Teachers should forward a list of competitors participating from their school to the contest coordinator 7 days prior to the date of the contest.

**TRANSPORTATION:**

Students are responsible for their own transportation.

**TEACHER'S ROLE:**

Instructors are expected to acquaint their student participants with all of the enclosed guidelines. Teachers must accompany their students but may not assist the competitors during the challenge.

**SPECIAL INSTRUCTIONS OR GUIDELINES:**

- Lunch will be provided.
- It is expected that competitors arrive with a resume and be ready for interview questions related to the technical career path their contest reflects.
- There will be gold, silver, and bronze medal winners. Judges decisions are final.

**COMPETITION AGENDA:**

- Please arrive at Niagara College Welland Campus by 8:00 am.
- Opening Ceremonies will be in the Auditorium AH141 at 8:30
- The competition will start at 9:00 a.m. sharp.
- Lunch approximately at 11:30 a.m.
- Competition ends at 2:30 pm
- Judging will commence shortly after 2:30 p.m.