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## DSBN REGIONAL **ELECTRICAL WIRING CHALLENGE 2018** SECONDARY LEVEL SCOPE

**CHAIR:** Marc Demers, E.L.C.S.S. email: marc.demers@dsbn.org

### **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, Feb. 28, 2018

**TIME:** 8:30 am- 2:30 pm

**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.
- Conformity of 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.

- o Basic electrical theory, circuitry, schematics, blueprints.
- o Application and interpretation of the Canadian Electrical Safety Code.
- o Installation of all types of outlet boxes and related equipment and devices.
- o Troubleshooting 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.dsbm.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:**

**8:00 am** ▪ Please arrive at Niagara College Welland Campus by 8:00 am.

**8:30 am** ▪ Opening Ceremonies will be in the Auditorium AH141 at 8:30

**9:00 am**▪ The competition will start at 9:00 a.m. sharp.

**11:30 am**▪ Lunch approximately at 11:30 a.m.(will not be provided)

**2:30** ▪ Competition ends at 2:30 pm

**2:30** ▪ Judging will commence shortly after 2:30 p.m.

**\*\* Competitors must be on time for their contest and may be disqualified if they do not sign-in at their contest site prior to the start of orientation. At the discretion of the technical committee chair, the competitor may be permitted to compete but would not receive any additional time. Each competitor will be given a number by their coordinator upon registration at the location and will be judged anonymously during the competition.**