



**DSBN REGIONAL Small Power Equipment SKILLS CHALLENGE 2020
SECONDARY LEVEL SCOPE**

CHAIR: Mr. Lucas Bastien
Email: lucas.bastien@dsbn.org

PURPOSE OF THE CONTEST:

To service and repair four cycle and two cycle gasoline small engines.

EVENT DETAILS:

Date: Wednesday, Feb. 27th, 2019

Time: Orientation 8:30 a.m. Competition start time: 9:00 p.m.

Location: Niagara College, Welland, Rankin TC14a

SKILLS AND KNOWLEDGE TO BE TESTED:

Competitors must be able to disassemble and reassemble a 4-stroke and 2-stroke small engine, measure internal components (metric or imperial micrometer) perform basic carburetor component identification, and diagnostics a 4 cycle engine. The 4 stroke engine is an OHV Briggs and Stratton

SAFETY REQUIREMENTS:

Competitors are required to follow all industry safety standards during the competition. Safety Glasses and shoes must be worn at all times.

EQUIPMENT, MATERIALS, TOOLS, AND SUPPLIES:

Equipment Supplied by the Contest Coordinator:

- Engine

Equipment Supplied by the Competitor:

- Safety Clothing, Socket Set complete, Micrometer Standard and Metric/50-75mm/Vernier Calipers Ring Compressor Hammer General Pliers

CLOTHING REQUIREMENTS:

- Casual business attire must be worn with DSBN Technology shirts. Niagara College requires steel toe shoes or boots and safety glasses to be worn at all times in the shop. There is a limited supply of toe caps shoes that will be available from the College.

JUDGING CRITERIA:

1. Written Test (46)
2. 4 cycle Engine Disassembly / Measurement / Reassemble (75)
3. 2 cycle Engine Disassemble / Reassemble (15)
4. 4 Stroke Diagnose (25)
5. Carburetor Component Identification (7)

ENTRY: Students must register online at <http://teched.dsbnet.org/skills> with all of the required information completed to be eligible to participate.

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 may accompany their students or visit any time during the competition, but may not assist the competitors during the challenge.

COMPETITION AGENDA: (Fill in as you see fit and appropriate for your challenge)

8:00- 8:30 a.m.	Sign in/ Arrival/ Set up
8:30 a.m	Orientation
9:00 a.m	Competition begins
11:00 a. m	***** Lunch *****
12:00 p. m.	Competition resumes
~2:00 p. m.	Competition ends -mnJudging

**** 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.**