



Limestone Skills Competition 2017
Competition Date March 24th , 2017
Small Powered Engines @L.C.V.I
Chair: Tom Bruce brucetp@limestone.on.ca
Judges: T.B.A.

QUALIFYING COMPETITIONS: Please Note: Students participating in this contest at the Secondary level must will also have to compete at a Skills Ontario Qualifying Competition to determine if they will be advancing to the Ontario Technological Skills Competition (OTSC). Only the top students from each Qualifying Competition may advance to the OTSC. For more information on the Qualifying Competitions, please review the Competition Information Package at: www.skillsontario.com , or speak with your school board contact. Qualifying Competitions take place on Saturday, April 16, 2016.

PURPOSE OF THE CONTEST: To test the skills and knowledge of each student in the air and liquid cooled engine field and to prepare each student for employment in the industry.

SKILLS AND KNOWLEDGE TO BE TESTED:

Practical – 80%

Theory – 20%

- To demonstrate the skills and knowledge involved with the air and liquid cooled engines, disassemble and reassemble engines, carburetor theory and adjustments, electrical component testing, measuring and identifying parts
- Use of repair manuals
- Technical competence
- Tool handling and recognition
- General knowledge of 4 cycle engines
- General knowledge of 2 stroke engines
- Following instructions
- Electrical wiring of lawn and garden equipment

EQUIPMENT AND MATERIALS:

Supplied by Limestone District School Board:

- All tools supplied: socket set and wrenches, pliers set, screw driver set, Fluke multimeter
- Engines: Briggs and Stratton 4 stroke
- Manuals
- All equipment: Electrical Testing Board. Please Note: Tools and materials may change based on availability.

Supplied by Competitor:

- Safety equipment listed below

Please note: Competitors are not to bring their own power tools to the OTSC unless specified in the scope. Please note: Competitors are not to bring their own computer to the OTSC Books, notes, materials and assisting devices are not permitted unless listed above. **Media devices,**

such as cell phones, smart phones, mp3 players or PDAs are not permitted on the contest site. Prior to attending the OTSC, students should be familiar and competent in the use of the tools and equipment listed above as well as what safety precautions will be observed during the OTSC.

SAFETY: Safety is a priority at the Ontario Technological Skills Competition. At the discretion of the judges and technical chairs, any competitor can be removed from the competition site for not having the proper safety equipment and/or not acting in a safe manner.

1. It is mandatory for all competitors to wear CSA approved eyewear (including side shields for prescription eyewear).
2. It is mandatory for all competitors to wear CSA approved footwear. (For Qualifier only)
3. Jewellery such as rings, bracelets and necklaces or any items deemed unsafe by competition judges shall be removed.
4. Proper shop attire is to be worn (no loose straps, baggy sleeves). Any attire that is deemed unsafe by competition judges will not be permitted.

Competitors will not be permitted to compete until they have the needed safety equipment. Competition judges will have final authority on matters of safety. Competitors must show competence in the use of tools and/or equipment outlined in this scope and can be removed at the discretion of the judges and technical chairs if he/she does not display tool and/or equipment competency.

JUDGING CRITERIA:

Engine Measurements:	25
Electrical	30
4 Stroke diagnostic/troubleshooting	25
Theory	20
Total	100

A minimum score of 60% will be required to receive any ribbon or medal or to be eligible to advance to the Skills Ontario Regional Competition.

As the rules state, there are no ties. If the score is even after the contest closes. Competition Judges will have final authority of which contestant receives the gold metal.

Should you have any questions about this scope please contact the competition co- chairs: