



SKILLS CANADA PEI PROVINCIAL COMPETITION

CONTEST DESCRIPTION	
Competition Date	March 15, 2018
Competition location	Summerside Waterfront Campus
Trade Number	53
Trade Name	Outdoor Power Equipment
Level	Secondary

1. INTRODUCTION

1.1 Purpose of the Challenge.

To organize and reward the Outdoor Powered Equipment students who demonstrate achievement in skills and knowledge necessary to service today's outdoor powered equipment.

1.2 Duration of contest.

6 Hours

1.3 Skills and Knowledge to be tested.

- ☐ Skills and knowledge necessary to disassemble an air cooled engine
- ☐ Technical competence and safe workplace practices and procedures
- ☐ Routine maintenance
- ☐ Tool and Outdoor Powered Equipment engine parts identification
- ☐ General carburetor system component identification, diagnosis and repair
- ☐ Electrical system component identification, diagnosis and repair
- ☐ General knowledge of 4 stroke – cycle theory
- ☐ General knowledge of 2 stroke – cycle theory
- ☐ Proper use of service manuals
- ☐ Use of precision measuring tools (Metric and Imperial)
- ☐ Use of diagnostic equipment and digital multimeter (DVOM)

2. ESSENTIAL SKILLS

Essential skills are used in nearly every job and at different levels of complexity. They provide the foundation for learning all other skills and enable people to evolve with their jobs and adapt to workplace change. Good Essential Skills means you will understand and remember concepts introduced in technical training. The level of Essential Skills required for most trades is as high or higher than it is for many office



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jobs.

3. EQUIPMENT, MATERIAL, CLOTHING

3.1 Each competitor will bring the following:

- Safety goggles/glasses
- CSA approved steel-toed work boots
- Coveralls and lab coat

3.2 Equipment and material provided by the competition site

- Outdoor Powered Equipment engine components
- All necessary materials, hand tools, diagnostic equipment, and shop equipment required to perform the tasks

3.3 Required clothing (Provided by competitor)

- Coveralls and lab coat.

4. SAFETY REQUIREMENTS

4.1 List of required personal protective equipment(PPE) provided by competitors

Failure to comply with safety regulations will result in disqualification or removal of competitor from the competition.

Safety goggles/glasses, CSA approved safety steel-toed footwear, and appropriate work apparel (coveralls/Shop lab coat) must be worn at all times.

Note: Competitors will not be allowed to compete if the above items are not brought and used

5. ASSESSMENT

5.1 Point breakdown

- Knowledge exhibited by the level of completion of the written test
- Comprehension of written instructions and safe service procedures
- Interpretation and performance of all tasks
- Diagnostic abilities
- Safe and clean work habits



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Point Break Down (total 100%)

20% Competency related multiple choice and component/tool identification

80% Practical exercise and related testing

6. ADDITIONAL INFORMATION

6.1 Tie (No ties are allowed)

In the event of a tie, time completed will be used to determine the winner

6.2 Competition rules

Please refer to the competition rules for all general PSC information.

7. CONTACT INFORMATION

Name	Email address
Ed Feehan	eefeehan@hollandcollege.com
Tawna MacLeod – Executive Director, Skills Canada PEI	tmacleod@hollandcollege.com