



2011 Secondary Regional Technological Skills Competition

Friday, March 25, 2011
Georgian College, Owen Sound

Small Powered Equipment — Secondary Level

Winners may advance to the Skills Ontario Qualifier Competition Saturday, April 16, 2011

SAFETY RULES: see attached Georgian College Waiver

Safety is a priority at the Secondary Regional Technological Skills Challenge. Any student 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 students to wear CSA approved eyewear (including side shields for prescription eyewear).*
- 2. It is mandatory for all competitors to wear CSA approved footwear.*
- 3. Jewelry such as rings, bracelets and necklaces, or any items deemed unsafe by the judge, shall be removed for the competition.*
- 4. Proper shop attire is to be worn (no loose straps, baggy sleeves). Any attire, that is deemed unsafe by the judges, will not be permitted.*
- 5. Judges have final authority on matters of safety.*

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:

To demonstrate the skills and knowledge involved with the air and liquid cooled engines, disassemble and reassemble engines, carburettor 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 theory
- General knowledge of 2 stroke theory
- Following instructions

EQUIPMENT AND MATERIALS:

Supplied by Committee:

- All tools
- Engines
- Manuals
- All equipment

Supplied by Competitor:

- Safety equipment listed below
- Shop coat or coveralls with no school identification or other advertisements (Optional)
- Safety glasses (non-tinted)
- Steel toe work boots
- Basic hand tools (no borrowing of tools allowed during challenge)

It is mandatory for all competitors to wear

- CSA approved eyewear (including side shields for prescription eyewear).*
- It is mandatory for all competitors to wear CSA approved footwear.*
- Jewellery such as rings, bracelets and necklaces



JUDGING CRITERIA

- 2 Stroke Engine Assembly - 25
- Electrical Troubleshooting - 30
- 4 Cycle Engine Troubleshooting - 25
- Theory - 20

As the rules state, there are no ties. If the score is even after the contest, the electrical troubleshooting component will be used as the tie-breaker.

RULES AND REGULATIONS:

Immediate disqualification may occur at the discretion of the technical chair if a competitor displays any one of the following:

- Acts inappropriately
- Shows disregard for the safety of themselves or those around them
- Breaks the established rules and regulations including uses equipment material that is not permitted
- Dishonest conduct (cheating)
- Speaks with those outside the contest area
- Arrives to the contest site late

CLOTHING REQUIREMENTS:

Competitors are to be dressed in a clean and appropriate manner.

RESUME/JOB INTERVIEW:

Y Employment Services will be available to students who require assistance preparing resumes and interview skills for the Ontario Skills Competition. More information will be available in the winners' package.

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GEORGIAN

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(2011 SECONDARY REGIONAL TECHNOLOGICAL SKILLS CHALLENGE)

Never wear loose clothing around machines, remove hats, vests, ties and roll sleeves to the elbows.

Do not wear rings, watches, or jewellery etc. which could become tangled in machinery.

Long or loose hair must be tied back or covered.

Do not attempt to operate any machine before you fully understand how it works, and be sure you know how to stop a machine before you start it.

Always stop a machine before measuring, cleaning, oiling or making any adjustments.

Never operate a machine unless all safety guards are in place.

Do not attempt to stop a machine with your hands e.g. drill press spindle or lathe chuck.

Do not use shop rags near moving parts, e.g., drill press spindle, mill cutters or lathe chucks.

Store used shop rags in proper containers or storage areas.

Always keep the floor clear of oil, grease, tools and metal cuttings.

Avoid horseplay.

Never have more than ONE, (1) person operating a machine at a time, and do not crowd the working area.

If the lift is heavy, get help to avoid back strain.

It is the student's full responsibility to wear safety glasses at all times while in the shop.

It is the student's full responsibility to wear safety boots, or safety shoes at all times while in the shop.

Any student not wearing approved safety equipment will be dismissed from class.

AGREEMENT:

I, _____ understand the safety regulations and the requirement to wear safety glasses, safety boots or shoes, at all time in the shop.

(Please Print)

Signature of Student/Competitor

Date

Signature of Parents/Guardians**

Date

** If you are under 18 years of age, permission by a parent/guardian is required to participate