

Attention Competitors

**At the 2012 Provincial Skills Competition
Safety is # 1**

**Each Event Area Will Have Safety Equipment
and Requirements That Competitors Must
Adhere To**

Important Must Read!!!!

**Competitors Must Meet All Safety Requirements
To Compete At The Provincial Skills Competition**

**Please Consult The Scope Document To
Determine The Safety Requirements For Your
Area**

**It Is Recommended That Competitors Check The
Scope Document To Ensure You Meet All Safety
Requirements**

Changes may be made to this Scope up to February 24, 2012

2012 Provincial Skills Competition Scope Document

EVENT: OUTDOOR POWER AND RECREATION EQUIPMENT	LEVEL: SECONDARY
START TIME: 8:30 a.m. March 16, 2012	LOCATION: SIAST Wascana Campus Rm.A147
INTERNATIONAL TRADE #: 53	DURATION: 6 HRS.

SAFETY REQUIREMENTS: Competitors are required to follow all industry safety standards during the competition. This includes **safety eyewear, and safety footwear** (minimum steel cap) which must be worn at all times while in the competition area.

PURPOSE OF THE CHALLENGE:

To recognize and reward students' abilities in the area of Outdoor Recreation Equipment. Students will demonstrate skill in the use of hand and measuring tools that are commonly used to repair small engines. They will exhibit both written and "hands on" knowledge of basic mechanical principles related to 2 and 4 stroke small engines. Parts and subsystems of common recreational equipment will also be tested.

SKILLS AND KNOWLEDGE TO BE TESTED:

A written test of approximately 100 questions will cover: 20%

- General theory of 2 and 4 cycle engines; ignition systems electrical systems (starting and charging); workplace and personal safety; troubleshooting and maintenance; measurements, tolerances, torque values and fuel systems.
- Most will be multiple-choice but there may be some short answer type questions.

For the practical test: 80%

- We will be working on 4 cycle engines and possibly a 2 cycle engine.
- All contestants will be required to disassemble, diagnose, measure, and correctly reassemble a small engine. All manufacturer specifications, torques and tolerances must be adhered to.
- Parts and subsystems of common outdoor recreation equipment will be tested.

EQUIPMENT, TOOLS, SUPPLIES, CLOTHING:

- All competitors will bring their own hand tools. These should be suitable to small engine overhaul and maintenance. Students may bring their own measuring tools but DIGITAL calipers and micrometers will not be permitted. Imperial and/or metric measurements may be tested.
- Any specialty tools will be provided.
- Proper clothing, eye protection and foot-wear must be worn.
NO EXCEPTIONS!
- All safety rules must be adhered to.

COMMITTEE MEMBERS:

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