

Attention Competitors

**At the 2006 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**

**Scope Documents May Be Updated Until January
13th**

2006 Provincial Skills Competition

Scope Document

EVENT: PRECISION MACHINING	LEVEL: SECONDARY
START TIME: 9:00 AM, MARCH 17 TH , 2006	LOCATION: SIAST KELSEY CAMPUS ROOM 106
INTERNATIONAL TRADE #: 03	DURATION: 5 HRS

SAFETY REQUIREMENTS: Competitors are required to follow all industry safety standards during the competition.

PURPOSE OF THE CHALLENGE:

To test hands on skills in the Machine Shop.

SKILLS AND KNOWLEDGE TO BE TESTED:

Practical Evaluation only:

- Measure with vernier caliper (6")
- Measure with outside micrometer .001"
- The following lathe operations
 1. roughing
 2. shouldering to within $\pm .005$ "
 3. finish turning to $\pm .001$ finish 16 – 32 – Micro-inch finish"
 4. grooving/parting to $\pm .010$ "
 5. chamfering
 6. facing to length
 7. 60° thread cutting to Class 2 fit
 8. center drilling
 9. angle cutting using compound rest
 10. preparation and use of roughing tools and finishing tools for lathe operations

EQUIPMENT, TOOLS, SUPPLIES, CLOTHING:

Supplied by Committee:

All necessary equipment, tools, supplies for the competition.
Colchesters lathes

CLOTHING REQUIREMENTS:

Competitor Must Provide:

Competitor must provide safety glasses, ear plugs and a shop coat. Long hair must be tied back.

Note: Safety glasses must be close fitting and not tinted.

COMMITTEE MEMBERS:

Larry Stevens, SIAST - Kelsey Campus, Saskatoon
Kevin Reiter Estevan Comprehensive High School