



NW AB Regional Skills  
Canada Competition  
April 19 & 20, 2012



## North West Alberta Regional Skills Canada Competition

### GPRC Fairview Campus

### 2012 – Welding, Scope Document

<b>EVENT:</b> Welding	<b>LEVEL:</b> Secondary
<b>ORIENTATION:</b> April 19, 8:00 P.M. <b>COMPETITION STARTS:</b> April 20, 2012, 8:00 A.M.	<b>LOCATION:</b> GPRC FAIRVIEW CAMPUS
<b>ORIENTATION IS MANDATORY:</b> Should a competitor not attend orientation they will be disqualified from the competition.	<b>THEORY EXAM:</b> No
<b>DURATION:</b> 4 Hours	<b>REGIONALIZED EVENT:</b> Yes
Number of Competitors That Will Qualify for the 2012 Provincial Skills Canada Competition: 2	

#### GENERAL DESCRIPTION

To enable competitors to demonstrate their knowledge & skill of welding and oxy - fuel cutting principles. The competition will consist of a practical examination. Competitors will be expected to utilize their practical skills & knowledge in drawing interpretation of oxy – fuel cutting, fitting, and welding. The following processes are applicable: SMAW, GMAW, and Oxy – fuel. Safety procedures will also be evaluated.

#### SAFETY

The health, safety and welfare of all individuals involved with Skills Canada Alberta are of vital importance. Safety is a condition of participation with Skills Canada Alberta and shall not be sacrificed for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

#### SAFETY REQUIREMENTS:

**Competitors must provide the following safety requirements or will not be allowed in the competition area**

- Work Boots (CSA Approved steel toe work boots)
- Side shields required for prescription glasses
- Welding Helmet
- Welding Gloves
- Cutting Goggles # 4 or 5 lens
- Appropriate clothing (100% cotton coveralls recommended)
- Long sleeve denim shirt or jacket, 100% cotton
- Competitors are required to follow all industry standards during the competition
- Ear Plugs
- Safety Glasses

## **EQUIPMENT AND MATERIALS:**

### **Supplied by Committee**

All material needed to complete the project

Welders	Chipping Hammer	Cutting Templates	Fixed Positioners	Wire Brushes
Cutting Torches	Soap stone	Straight Edge	Welding Consumables	

### **Competitor Must Supply**

*Competitor tools will be LIMITED to the following:*

Tri Square	Imperial Tape Measure	magnets
Center Punch	Vice Grips/pliers	
Pipe Liner Files	Hammer/ Cold Chisel	

**And appropriate safety gear as stated on page 1**

## **JUDGING CRITERIA**

Safety	Strays Arcs	Measurements
Weld Size	Undercut	Dimensions
Penetration	Regularity of Kerf	Following Instructions
Overall Appearance	Fit-Up	

## **RELATED CAREER AND TECHNOLOGY STUDIES COURSES:**

Descriptions of all modules are located at the following website:

<http://www.education.gov.ab.ca/cts>

FAB 1040	FAB 2020	FAB 3048	101B	102A	103A
FAB 1048	FAB 2030	FAB 3050	101C	102B	103B
FAB 1050	FAB 2040	FAB 3060	101G	102C	103C
	FAB 2048	FAB 3170	101I	102D	103D
	FAB 2050		101F	103F, G & H	
	FAB 2060				
	FAB 2070				

## **TIE-BREAKER:**

Competitor judged to have demonstrated highest level of overall safety practices.

