

2012 Wood Buffalo Regional Skills Canada Competition

Scope Document

Keyano College

April 19, 2012

EVENT: Welding	LEVEL: Secondary
TIMES: Meet and Greet: April 18, 6:00 PM Keyano College, Elements Mtg Room Orientation: April 19, 8:00 AM Keyano College, Room 116 Competition Start Time: 8:30 AM	LOCATION: Keyano College Room 116
DURATION: 5 hrs	REGIONALIZED: Yes
Number of Competitors That Will Qualify for the 2012 Provincial Skills Canada Competition: 2	

GENERAL DESCRIPTION

Purpose of Challenge:

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

PROJECT DESCRIPTION

Skills and Knowledge to be Tested:

The regional skills competitors should be prepared to apply their theory knowledge in a layout and drawing interpretation to complete a 4 hour practical project which may include but not limited to the following tasks (Please see the attached project drawing):

- SMAW 1G,3G Butt Weld
- GMAW 1G,3G Butt Weld
- SMAW GMAW, 2F & 3F Welds

EQUIPMENT & MATERIALS

Equipment and Materials Competitors Must Supply:

- 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
- Safety Glasses
- Ear Plugs

Competitor tools will be limited to the following:

- Pipe liner files
- Wire brush
- Vice grips/pliers
- Magnets
- Tri square
- Imperial/metric tape measure
- Centre punch
- Tip cleaners
- Hammer
- Cold chisel
- Soap stone

*Competitors are required to follow all industry standards during the competition.

Equipment and Materials Supplied by the Committee:

Materials and Consumables to build project.

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.

JUDGING CRITERIA

- Safety
- Strays Arcs
- Measurements
- Weld Size
- Undercut
- Dimensions
- Penetration
- 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> & <http://www.tradesecrets.gov.ab.ca>

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				



ADDITIONAL INFORMATION

Awards Ceremony will be held in the Keyano College Recital Theatre
Lunch will be served in the Elements Meeting Room

COMMITTEE MEMBERS

Doug Collins
Kevin McGladdery
Kerry Ferguson

