



SkillsUSA 2011-12 District 10 Competition–Scope

Clarion County Career Center
447 Career Lane, Shippenville, PA 16214
January 16, 2012

Competition Title: *WELDING*

Clothing/Safety Requirements (provided by contestant):

- Welding helmet
- Pants without holes
- Gloves
- Safety Glasses
- Steel toed boots
- Welding jacket (with no visible name or school)
- All work clothes must be free of insignias/labels
- I.D. number will be provided

Eligibility:

Registered Skills USA member enrolled in a Welding program.
Students are required to have proof of training form and a one page resume.

Tools/Materials Supplied by Contestant:

Work clothing	Safety glasses
Steel toed work boots	Pencil
Measuring tape	Vise grips or pliers
Center Punch	

Tools and Equipment: (supplied by CCCC)

- Lincoln Ideal Arc 250 AC/DC (SMAW)
- Miller Diversion 180 (GTAW)
- Lincoln Power Mig 300 (SMAW, GMAW, FCAW)
- Lincoln Mig 350 (SMAW, GMAW, FCAW)
- Victor Journeyman II Oxy-fuel Cutting System
- Bosch 4-1/2" and 7" hand grinders (grinding wheels and wire wheels)
- Ear plugs
- Chipping Hammers
- Hand Wire Brushes
- Soapstone
- Combination Square/Speed Square

Scope of the Contest

Students will be tested as follows:

Each event will be timed as per the scope. The maximum amount of time for each task is indicated in the scope.

Students will be evaluated using the following criteria:

1. Safety.
2. Care and proper use of tools.
3. Job performance. (Amount of work done and the quality)
4. Personal appearance. (Clothes, shoes, eye protection)
5. Verbal terminology. (Welding trade terminology)
6. Neatness and Accuracy.

Written Test will be limited to:

AWS SENSE Level 1 Welding Process Certification Test
Module 2: Safety and Health of Welders

Performance Test will be limited to:

2011-2012 SkillsUSA Championships Technical Standards and Competencies:

- W 4.0 SMAW 3G vertical, 7018, single V with Backer-D.1.1 limited specs
1 hour 10 minutes
- W 5.0 GMAW-2F pipe to plate -20 minutes
- W 7.0 GTAW 2F -T-joint on aluminum, single pass - 20 minutes
- W 8.0 OFC Layout and cut shape to drawing specs. - 30 minutes

Contact information:

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