

**Franklin County CTC
District V Competition
February 15, 2010**

Contest: Welding

Contest Chairperson: Tim Semple
Phone: 717-263-9033 Ext. 356
Email: tsemple@franklinctc.com

EACH CONTESTANT IS REQUIRED TO SUBMIT A RESUME

Clothing and Safety Equipment Requirement:

All safety equipment for welding

Scope of Contest:

1. The welding contest will be held at the Franklin County Career and Technology center and will take approximately two to three hours.
2. The joint geometry will be predetermined by the contest committee through projects that will tax the skill and knowledge of the contestant, including fit-up and measurement.
3. Electrode size and wilding positions will be predetermined.
4. Contestants will work from a blueprint, including applicable welding symbols, as supplied by the contest chairman.

Equipment/Tools/Materials Provided by the Host School:

1. Lincoln AC/DC 300 amp. SMAW welder.
2. Miller CP300 GMAW Welder.
3. Miller Deltaweld 451GMAW welder
4. Miller Dialarc HF 300 amp. AC/DC GTAW welder
5. Class E6011, E7018, and E6013 electrodes
6. Class ER70S-3 .035 dia. GMAW wire
7. Pure tungsten and 2% thoriated tungsten for GTAW welding
8. Argon 92%, CO2 8% for GMAW
9. Argon for GTAW

Equipment/Tools Provided by Contestant:

1. Welding helmet with #10 – 12 filter lens
2. Cap or welder's beanie
3. Ankle height or high top leather work boots
4. Fire resistant clothing
5. Full length leather coat or cape sleeves and bib
6. Safety glasses with side shields
7. leather welding gloves with 5" long gauntlets
8. Chipping hammer
9. Wire brush- steel bristles
10. Wire brush – Stainless bristles
11. Tape measure or 6" scale
12. Fillet weld gauge
13. Side cutters, 6" min. for GMAW wire
14. Soap stone markers
15. Locking pliers (vice grips) 11" min.
16. 12" combination square
17. 16 oz. Ball peen hammer
18. Center punch

Other Equipment:

No cell phones or two way radios are permitted. If a contestant is found to have either in their possession he/she will be disqualified.

Special Instruction and Notes:

It is impossible for the host school to list all tools you may have instructed your students to use when performing certain tasks. Feel free to bring additional tools you feel you may require to work on the project as mentioned in the Scope of Contest.

The host school and judges reserve the right to check all tool boxes and/or tools or materials prior to the contest. Any tools that they feel will give the contestant (in their opinion) an unfair advantage will not be permitted.