



Welding District 8 Competition

Purpose:

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of welding.

Clothing Requirements: Professional work shirt and pants, black or brown leather work shoes, and safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.) Welding coat, hood and gloves.

Eligibility

Open to active SkillsUSA members enrolled in programs with welding as the occupational objective. This is a team event. Each team will be comprised of three student members from the same school and training program.

Equipment and Materials:

Supplied by PTC:

Equipment Supplied by PTC for Skills USA Competition

Lincoln 275/375
Lincoln PowerMig 350 MP
Lincoln Powerwave C300
Hypertherm Powermax 65 Plasma – 3 (hand torches)
Bench Vises (unmounted)
Vise grips / C-clamps
Horizontal Band Saw
Oxyfuel Cutting Systems
4 ½" Angle Grinder
Chipping Hammer/Wire Brushes
Power Brushes
4 ½" grinding ,cutting and flap wheels
Fabrication Tables
Individual Welding Booths – 36
Electrode Oven
Individual Fume Extractors in Weld Booths

Supplied by Contestant:

Students will need to bring proper work clothes, steel toe work boots, safety glasses, welding coat, gloves, and welding helmet.

Contest Specifications:

1. SMAW-vertical V using 1/8 E7018 with back-up strip.
2. GT AW-horizontal lap on aluminum. Competitor's choice of Tungsten size and filler rod size.
3. GT AW-horizontal lap on steel. Competitor's choice of Tungsten size and filler rod size.
4. Oxy-Acetylene Cutting-layout per sketch a 6"x6" pattern on 3/8" steel.
5. GMAW Fabricated Box-as per print layout.