



Welding

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

On-Site/Off-Site	<ul style="list-style-type: none">▪ On-Site
Contest Date	<ul style="list-style-type: none">▪ 4/9/2024
Contest Location	<ul style="list-style-type: none">▪ Convention Center▪ C-Hall
Early/Normal Start Time	<ul style="list-style-type: none">▪ Normal Start Time▪ Registration will open at 8:00am. Please report to B-Hall Show Office for Registration. Competition will begin at 10:00am.
Contest Open/Closed	<ul style="list-style-type: none">▪ Open▪ Exhibit Halls do not open to observers until 12:00pm.
Eligibility	<ul style="list-style-type: none">▪ This contest has a Regional Qualifier Contest. The top three (3) candidates from the Regional Qualifiers will proceed to the State Championship Contest.
Competition Clothing (To be worn on Day 1)	<p>Work/School Attire:</p> <ul style="list-style-type: none">▪ Field specific work clothing required for the work environment or that matches the service conditions for the contest.▪ This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants).▪ Shoes or work boots with a hard sole and anti-slip properties.▪ Clothing should be as such that it will not get caught in moving equipment or power tools.

	<ul style="list-style-type: none"> Professional attire worn in the classroom (school uniforms) such as a criminal justice uniform, chef attire, health scrubs, or cosmetology scrubs etc. may be worn if they meet the above requirements. Note: School identifiers and contestant names must be covered.
Safety Equipment Required	<p>Suitable work clothing (to match service conditions for welding process employed, must be fire resistant).</p> <ul style="list-style-type: none"> Leather jacket, cape, sleeves, or apron (optional) Leather gloves High-top leather safety shoes or boots (steel toes recommended) Welder's hat or skullcap Spectacles with side shields (clear lens) Burning goggles or face shield (OFC & PAC) <ul style="list-style-type: none"> Two (2) each #5 filter plate/lens Two (2) each clear cover plate/lens Noise protection (ear plugs) Welding helmet Spare batteries for helmet are recommended if you have auto lens Welding lenses (to match helmet design) <ul style="list-style-type: none"> Two (2) each shaded filter plate/lens (#10 or #11) Two (2) each clear cover plate lens
Awards Ceremony Attire (To be worn on Day 2)	<p>SkillsUSA Official Attire:</p> <ul style="list-style-type: none"> Official SkillsUSA red blazer Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer Black dress slacks or black dress skirt (knee-length at minimum) Black closed-toe dress shoes Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern <p>Or,</p> <p>Business Dress:</p> <ul style="list-style-type: none"> Blazer, sports coat, or dress

	<ul style="list-style-type: none"> ▪ Button-up, collared, white dress shirt (accompanied by a plain, solid black tie or SkillsUSA black tie), or white shirt (collarless or small-collared), with any collar not to extend into the lapel area of the blazer ▪ Dress slacks or dress skirt (knee-length at minimum) ▪ Closed-toe dress shoes ▪ Note: Wearing socks or hose is no longer required. If worn, socks must be black dress socks, and hose must be either black or skin-tone and seamless/nonpattern
Testing	<ul style="list-style-type: none"> ▪ Students should be prepared to take a written knowledge test.
Provided by Contestant (Tool List)	<p><u>Documentation</u></p> <ul style="list-style-type: none"> ▪ Hard copy of one (1) page personal resume <p><u>Personal Tools</u></p> <ul style="list-style-type: none"> ▪ Carbon steel wire brush ▪ Stainless steel wire brush ▪ Grinder – attachments (no post weld grinding) ▪ Ball peen hammer, minimum 10 ounce ▪ Soapstone ▪ Two (2) # 2 pencils (sharpened) ▪ Center punch ▪ Metal scribe ▪ Steel dividers (radius maker min. 6") ▪ Handheld calculator <p><u>Measuring Devices</u></p> <ul style="list-style-type: none"> ▪ Measuring Devices ▪ Steel tape measure (minimum 10') ▪ Combination square set ▪ English steel bench rule (min. 12") ▪ Protractor ▪ Metric ruler ▪ Clipping hammer ▪ Magnetic fixturing tool (optional) ▪ 10" mill file (half round-bastard cut) (optional) ▪ Cold chisel (size optional) ▪ Fillet weld gage ▪ Oxyfuel friction lighter (striker), flints and tip cleaners ▪ Pliers, wrenches, and clamps ▪ Vice grips or vice grip type clamp ▪ Side or diagonal cutting pliers

	<ul style="list-style-type: none"> ▪ Groove or slip joint pliers ▪ Tank wrench (optional) ▪ Needle nosed pliers (optional) ▪ 12" adjustable wrench (optional) <p><u>Welding Equipment</u></p> <ul style="list-style-type: none"> ▪ 3/32nd – 2% Th-2 Tungsten (red) (optional 2 pieces) ▪ 3/32nd – E3 Tungsten (purple) (optional 2 pieces)
Contest Notes, Themes, & Deadlines	<ul style="list-style-type: none"> ▪ Contestants must have all applicable safety equipment listed below to participant. ▪ Contestants without all required tools listed below will be allowed to participate but may have difficulty completing some tasks without all required tools. ▪ All required tasks can be completed without personal tools listed as "optional". However, some portions of the contest may be performed with greater ease by using these optional tools. ▪ Welding equipment is not to have any settings or connections changed by students during the walk through. Coupon material, electrodes and filler metal are not to be touched during the walk through.
Special Notes	<ul style="list-style-type: none"> ▪ Starting in 2024, all State Contests will begin to add a scenario-based component. ▪ Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio office may result in contestant disqualification. ▪ All safety requirements will be heavily enforced. Violation may result in contestant disqualification. ▪ No smart watches and/or phones are permitted during the contest and/or in contest. ▪ No contact with anyone outside of the contest area once the contest begins. ▪ No inappropriate communication between contestants such as verbally degrading another contest. ▪ No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing. ▪ Starting in 2024, Wi-Fi is provided for contests where it is required for contest success.

<p>National Technical Standards</p>	<ul style="list-style-type: none"> ▪ Please refer to the 2023-2024 National Technical Standards for all contests. Any and all standards included may be tested in any competition. ▪ In conjunction with National Standards, violations may result in student loss of contest.
<p>Resume/Interview Requirement</p>	<ul style="list-style-type: none"> ▪ All SkillsUSA Ohio State Championship Contests will require a short interview component. Students should be prepared with basic job interview skills. ▪ All contestants must have a hard copy of a one (1) page personal resume.