



# SkillsUSA

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**Champions *at* Work<sup>®</sup>**

**2023**

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**State  
Welding Fab  
Contest**

# ATTENTION!!!!

- **STRICT ENFORCEMENT** OF PERSONAL PROTECTIVE EQUIPMENT (PPE) WILL BE OBSERVED DURING THE 2023 WELDING COMPETITION.
- ALL ISSUES CONCERNING INADEQUATE OR INAPPROPRIATE PPE MUST BE RESOLVED DURING THE ALLOWED CHECK-IN TIME FOR EACH STUDENT
- IF THE ISSUE CANNOT BE RESOLVED DURING THIS TIME PERIOD, THE STUDENT WILL NOT BE ALLOWED TO COMPETE.
- TEAMS ARE 3 PEOPLE TO BE ALLOWED TO COMPETE.
- PLEASE REVIEW THE LIST OF PPE REQUIREMENTS FOR THIS WILL BE STRICTLY ENFORCED.

**EACH TEAM WILL RECEIVE A SPECIFIC CHECK-IN TIME. THIS TIME SLOT WILL BE THE ONLY OPPORTUNITY FOR THE STUDENTS TO ENTER THE COMPETITION.**

**PLEASE REVIEW THE GUIDELINES PROVIDED BY SKILLSUSA CONCERNING THE DRESS CODE AND REVISIONS BELOW.**

COMPLIANCE WITH THIS DRESS CODE WILL BE ASSESSED IN THE FINAL SCORE FOR EACH TEAM..

DENIM OR FRC PANTS WILL BE PERMITTED, LEATHER WORKBOOTS OR WORK SHOES REQUIRED, WELD JACKET OR WELDING SLEEVES ARE REQUIRED

**AWS SENSE WPS WILL BE USED FOR WELDING PARAMETERS. PLEASE  
REVIEW THESE DOCUMENTS WITH YOUR STUDENTS PRIOR TO THE  
WELDING COMPETITION.**

2023 SKILLS USA  
KANSAS  
TOOLS/SAFETY LIST

***No communication devices are allowed in the competition area.  
No contact by teachers or coaches during the competition.***

***Each Contestant MUST have the following safety equipment:***

Eye Protection  
Hearing Protection, ear plugs or ear muffs  
Welding Helmet with welding lens (quick change hoods are allowed)  
Cutting Goggles/ face shield #5  
Leather work shoes (no tennis shoes)  
Leather Gloves (welding and tig gloves)  
Leather or FR Coat or cape and bib, Welding Sleeves could be used in place

***Allowable tools:***

4 1/2 in Angle Grinder with guard attached  
Electric Drill and Drill Bits  
Tape Measures (1 per team member)  
¾ Combo wrench x 2  
Spare welding lens  
Scribe  
Soap Stone with holder or other metal marking pencil  
Combo Square set  
Framing Square  
Slip Joint Pliers (1 per team member)  
Ball Peen Hammer  
Steel measuring tape (standard and metric)  
Fillet Weld Gauge  
Vice Grip Pliers (no more than 3)  
Side Cutter Pliers (welpers, or Needle-nose are allowed)  
Chipping Hammer  
Wire Brush  
Stryker for cutting torch  
Steel file for dressing cut edges  
Compass  
Chisel  
Adjustable wrench  
Center punch

***All tools are to be placed into a bucket for our inspection, and only the tools above listed are approved for the contest. No copies of the Pre Test or outside notes are allowed. Each contestant will be given a set of Welding/Cutting prints and welding procedures before the start of the competition.***

## 2023 SkillsUSA Welding Fabrication Schedule

7:30 AM	Check-In	All Teams	
7:45 AM	Orientation	All Teams	
8:00 AM	Written Test	All Teams	
8:30 AM	Classroom Tool Check-In	Group A	(Advisors Allowed)
8:45 AM	BluePrint Review/ Booth Assignment	Group A	(No Advisors)
9:00 AM	Welding Starts	Group A	
12:00 PM	Welding Stops/ Clean Area/Lunch	Group A	
12:30 PM	Contestants released through rear shop	Group A	
12:30 PM	Classroom Tool Check-In	Group B	(Advisors Allowed)
12:45 PM	BluePrint Review/ Booth Assignment	Group B	(No Advisors)
1:00 PM	Welding Begins	Group B	
4:00 PM	Welding ends/clean-up/Welders are Released	Group B	

**\*\*NOTE\*\***

Advisors will be allowed to enter the shop area from rear of shop after welding begins at 9AM and 1 PM.

**Group A**

Wichita West High School Team F  
 Fort Scott High School Team G  
 Hutchinson Career & Technical Academy Team L  
 Hutchinson Career & Technical Academy Team H  
 Labette County High School Team B  
 Labette County High School Team M  
 Paola High School Team F

**Group B**

North Central Ks Tech College Team A  
 Wichita Heights High School Team D  
 Olathe Advanced Technical Center Team I  
 Salina Area Technical College Team A  
 Washburn Tech Team E  
 Osawatomie High School Team C  
 Parsons High School Team J