

**2024 INDIANA SkillsUSA CHAMPIONSHIPS
TASK & MATERIALS LIST**

SKILL OR LEADERSHIP AREA: Welding Fabrication

DATE: Friday April 19, 2024

TIME: 2:30 pm load bus for UA Local 440 Training Center

2:45 pm bus departs West Pavilion

3:30 pm arrive at UA Local 440 Training Center

3:45 pm be in contest area

4:00 pm contest begins

8:00 pm contest ends

8:30 pm bus leaves UA Local 440 Training Center

CONTEST LOCATION:

AET Local 440 Training Center

1521 Brookville Crossing Way

Indianapolis, In 46239

PURPOSE:

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

CLOTHING REQUIREMENT (if different from National contest):

NO SCHOOL LOGOS OR AFFILIATIONS OR MUST BE COMPLETELY COVERED

SEE BELOW IN STUDENT SUPPLY

- Blue jeans – no frays or holes
- Leather work boots – above the ankle
- 100% cotton shirt
- No Hoodies
- Long sleeves to weld (Welding jacket)
- ***NO CELLPHONES WILL BE ALLOWED***

AWARDS CEREMONY DRESS CODE

A Dress Code will be enforced during the Awards Ceremony. To accept an award "on-stage", the student must wear the "Official SkillsUSA Uniform", State T-Shirt or the competition attire. NO SHORTS OR HATS!!!

ALL CONTESTANTS ARE REQUIRED TO BRING THEIR OWN 1-PAGE SINGLE SIDED RESUME TO BE TURNED IN AT THE BEGINNING OF THE CONTEST. THERE WILL BE A 10 PT DEDUCTION IF IT IS NOT TURNED IN ON TIME.

STUDENT MUST SUPPLY:

****RULE SHEET MUST BE SIGNED AND TURNED IN BEFORE WELDING CONTEST BEGINS—FAILURE TO PROVIDE RULES BEFORE WELDING WILL BE DISQUALIFIED****

- SAFETY GLASSES

- HEARING PROTECTION
- LEATHER 6" BOOTS AS A MINIMUM (6" BOOTS WITH STEEL TOE PREFERRED)
- COTTON CLOTHING (NO POLYESTER)
- LEATHER GLOVES & Welding Gloves
- WELDING HELMET WITH APPROPRIATE FILTER PLATE/LENS AND PROTECTIVE COVER PLATE/LENS IN A FLIP UP OR SLIDE FRONT. AUTO DARKENING SHIELDS ARE PERMISSIBLE
- OXY/ACETYLENE GOGGLES OR Cutting Shield with SAFETY GLASSES
- SPARE COVER LENSES AND FILTER PLATES
- POCKET CALCULATOR
- LEAD PENCIL AND BALL POINT PIN
- TORCH STRIKER
- TIP CLEANER (FOR OXY/ACETYLENE CUTTING TORCH)
- SOAP STONE
- COMBINATION SQUARE SET/PROTRACTOR
- COMPASS
- 10' TAPE MEASURE
- CENTER PUNCH
- FILLET WELD GAUGES (OPTIONAL)
- VISE GRIP (STANDARD AND "C" TYPES ARE ACCEPTABLE)
- SIDE CUT PLIERS (MIG PLIERS)
- BALL PEN HAMMER
- CHIPPING HAMMER
- STAINLESS STEEL WIRE BRUSH
- 11R VICE GRIP LOCKING PLIERS
- C Clamp (capable of holding weldment in position if needed)
- **Students will need to bring practice metal sheet (for the one practice)**

(THE FOLLOWING WILL BE IN THE WELDING BOOTH: POWER GRINDERS FOR SANDING, GRINDING, WIRE WHEELS)

NO TOOLS WILL BE BORROWED OR LOANED!!!!

NO TACKING OR WELDING TO BE DONE ON BOOTH FIXTURES OR TABLES

TECHNICAL COMMITTEE WILL SUPPLY:

- All other items and/or equipment

Revised 3/27/24

*****SEE WELDING RULES BELOW MUST BRING SIGNED COPY TO CONTEST*****

WELDING FABRICATION CONTEST RULES

ALL CONTESTANTS WILL FOLLOW THE RULES LISTED BELOW

-SAFETY IS OF THE UTMOST IMPORTANCE; SAFETY GLASSES WILL BE WORN AT ALL TIMES IN THE WELDING LAB.

SAFETY WILL BE FOLLOWED TO THE CURRENT VERSION OF ANSI Z49.1 SAFETY IN WELDING AND ALLIED PROCESSES

UNSAFE PRATICE WILL GET YOU DISQUALIFIED

NO CELL PHONES OR OTHER ELECTRONIC DEVICES ALLOWED DURING THE CONTEST.

-LEATHER 6" BOOTS AS A MINIMUM (6" BOOTS W/STEEL TOE PREFERRED)

-CONTESTANTS MUST WEAR APPROVED FR RATED WELDING JACKETS

-HAVE ISSUED CONTESTANTS NUMBER IN VISABLE SIGHT AT ALL TIMES (On your back).

-ALL TERMS AND DEFINITIONS WILL BE IN ACCORDANCE WITH CURRENT EDITIONS OF AWS A3.0 *STANDARD WELDING TERMS AND DEFINITIONS*, AND AWS A2.4 *STANDARD SYMBOLS FOR WELDING, BRAZING AND NONDESTRUCTIVE EXAMINATION*.

-ALL PROJECTS WILL HAVE CONTESTANTS NUMBER AND PROCESS MARKED ON THEM BY A JUDGE WHEN TURNED IN. ANY UNINDEFIED COUPONS WILL NOT RECEIVE ANY POINTS FOR THAT PORTION OF THE CONTEST.

- THE FOLLOWING WILL BE IN THE WELDING BOOTH: POWER GRINDERS FOR SANDING, GRINDING, WIRE WHEELS.

-HAND WIRE BRUSH & CHIPPING HAMMER ARE ALLOWED IN THE WELDING BOOTH FOR REMOVING SLAG. THESE MUST BE BROUGHT BY THE CONTESTANT

-ON GTAW (TIG) WELDS YOU MAY REMOVE OXIDATION WITH HAND WIRE BRUSH. ALTHOUGH AFTER WELD BEAD IS IN PLACE NO WIRE BRUSHING IS PERMITTED.

-NO TALKING TO OTHER CONTESTENTS / OR ANYONE ELSE EXCEPT FOR THE JUDGES WHEN IN THE WELDING LAB. WHEN DONE WITH ALL TEST STATIONS GATHER YOUR TOOLS AND MEET YOUR INSTRUCTOR IN THE PRESCRIBED AREA

-ANY QUESTIONS MUST BE DIRECTED TO THE JUDGES WORKING THAT AREA.

-ANY MACHINE PROBLEMS NOTIFY A JUDGE QUICKLY, IF THERE IS A PROBLEM WITH EQUIPMENT TIME WILL BE EXTENDED.

-1 PIECE OF PRACTICE MATERIAL FOR SET UP OF MACHINES WILL BE ALLOWED AND MUST BE SUPPLIED BY THE CONTESTANT. **(HOST WILL NOT HAVE PRACTICE STEEL AVAILBLE)**

-ALL MACHINES WILL BE ZEROED OUT PRIOR TO THE NEXT CONTESTANT ENTERING THE BOOTH. DO NOT SABOTAGE THE EQUIPMENT FOR THE NEXT CONTESTANT; YOU WILL BE DISQUALIFIED AND HELD LIABLE FOR YOUR ACTIONS

-WHEN DONE WELDING GATHER ALL YOUR PERSONAL BELONGINGS, SWEEP UP AREA AND DISPOSE OF WASTE IN PROPER CANS.

-WHEN YOU ARE DONE WITH CLEAN UP NOTIFY JUDGE AND TIME WILL BE STOPPED. YOUR STATION JUDGE WILL TELL YOU WHERE TO GO NEXT.

-ANY TACKING AND OR WELDING TO THE WELDING TABLES OR TREES CAN RESULT IN A DEDUCTION OF POINTS OR DISQUALIFICATION.

CLOTHING WITH HOLES, CUTS, FRAYS, OR ANY OTHER DAMAGE WILL NOT BE ALLOWED IN THE WELDING SHOP!!!!!!!!!!!!

***Oxy Fuel Cutting will be done Free Hand*
(No Guide Plates or Templates)**

Signature of contestant

Date

Signature of Advisor

Date

By signing, you acknowledge that you understand and will follow the rules above.