

**2019 INDIANA SkillsUSA CHAMPIONSHIPS  
TASK & MATERIALS LIST**

**SKILL OR LEADERSHIP AREA:**     Welding    

**\*\*PLEASE CHECK THE WEBSITE FOR REGISTRATION TIMES ON FRIDAY!**

**DATE:** Saturday April 20, 2019

**TIME:** 6:00 am concessions open

7:00 am bus departs West Pavilion

7:30 am arrive at J Everett Light Career Center Door #3

7:45 am be in contest area

8:00 am contest begins

**CONTEST LOCATION:**

**J Everett Light Career Center Door #3**

**1901 E. 86<sup>th</sup> St.**

**Indianapolis, IN 46240**

**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***

- 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***

***ALL CONTESTANTS ARE REQUIRED TO BRING A 1-PAGE 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.***

**\*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!!!***

**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)
- NEEDLE NOSE PLIERS (MIG PLIERS)
- BALL PEN HAMMER
- CHIPPING HAMMER
- STEEL WIRE BRUSH
- STAINLESS STEEL WIRE BRUSH
- SAND PAPER USED BY HAND IS PERMITTED
- 11R VICE GRIP LOCKING PLIERS
- C Clamp (capable of holding weldment in position if needed)
- **NO TACKING OR WELDING TO BE DONE ON BOOTH FIXTURES OR TABLES**

NO POWER TOOLS ALLOWED IN WELDING BOOTHS. THERE ARE GRINDERS SUPPLIED IN THE GRINDING AREA.

(-NONE OF THE FOLLOWING WILL BE IN THE WELDING BOOTH: POWER GRINDERS FOR SANDING, GRINDING, WIRE WHEELS, AND NO NEEDLE SCALERS.)

**NO TOOLS WILL BE BORROWED OR LOANED!!!!**

**TECHNICAL COMMITTEE WILL SUPPLY:**

- All other items and/or equipment

STUDENTS WILL BE ALLOWED ONE PRACTICE PIECE.

Revised 3/19/19

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

# WELDING 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 PRACTICE 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 TEST COUPONS 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.

-NONE OF THE FOLLOWING WILL BE IN THE WELDING BOOTH: POWER GRINDERS FOR SANDING, GRINDING, WIRE WHEELS, AND NO NEEDLE SCALERS.

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

-ON GTAW (TIG) COUPONS 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 AVAILABLE)

-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)**

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**Signature of contestant**

**Date**

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**Signature of Advisor**

**Date**

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