

2024 North Dakota Welding Fabrication

This contest will take place on LWT Bismarck Campus

4329 Centurion Drive Unit 9, Bismarck ND 58104

Contest Orientation (3:00 pm – 5:00 pm) @ Lynnes Welding

Bring your tools to drop off.

Contest Times for Monday April 15th (10a – 4:30p)

Doors will open 1 hour Prior to the contest.

Contest Standards

PURPOSE:

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

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.

Clothing Requirement:

SkillsUSA official Khaki work Clothing is NOT required for this contest. Students will be required to wear attire that is acceptable for the industry as long as it **DOES NOT** identify them personally by name or by associated school. Penalty points will be deducted for violation.

Knowledge Exam

The Welding Fabrication Knowledge exam is available through the SkillsUSA Online Testing Portal. The testing window will open March 25 and Close April 5, 2024. Exams must be taken prior to Skilled Competitions.

EQUIPMENT AND MATERIALS:

The Welding Fab Planning Committee will provide all necessary welding equipment, filler materials, shielding gases, and cutting equipment and gases. Every effort has been taken to ensure all teams will utilize identical welding and cutting equipment. In the event of unforeseen equipment failure, a suitable replacement will be provided. However, the equipment may or may not be identical.

Contestant Teams may bring/provide the following: (* Required)

1. Hearing and/or ear protection *
2. Welding helmet with appropriate filter plate/lens and protective cover plate/lens. Auto darkening shields are permissible. *
3. Oxy-fuel cutting face shield. Or automatic welding helmet for all cutting and grinding*
4. Spare spatter and filter lenses/plates for arc welding helmet and oxy-fuel Shield
5. Pencil or ball point pen
6. Soap stone and/or paint pen
7. Scribe
8. Compass or other circle drawing device
9. Combination square set

10. Framing Square
11. Center Punch
12. Hand file
13. Chipping Hammer
14. Ball-peen Hammer
15. Wire brush
16. Electric grinder, 3 cut-off discs, 1 hard stone disc
17. Tape measures for all team members
18. Crescent wrench
19. Slip Joint Pliers (1 Per Team Member)
20. Vise Gripping Pliers (Maximum of 3 per team) (Regular or C-Clamp type, short or long)
21. MIG Welding Pliers