

2025 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 (8a – 12:00p or 12:30p – 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 24 and Close April 4, 2025. Exams must be taken prior to Skilled Competitions by all competitors.

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)

- Hearing and/or ear protection *
- Welding helmet with appropriate filter plate/lens and protective cover plate/lens. Auto darkening shields are permissible. *
- Oxy-fuel cutting face shield. Or automatic welding helmet for all cutting and grinding*
- Spare spatter and filter lenses/plates for arc welding helmet and oxy-fuel Shield
- Pencil or ball point pen
- Soap stone/marker/paint pen
- Square/combination square/protractor/speed square
- Center Punch, chisel and hammer
- Hand file – Any Type

- Chipping Hammer
- Ball-peen Hammer
- Wire brush
- Electric Hand Drill
 - 25/64" Drill Bit (Teams can bring a spare bit)
- Electric grinder per fab team
 - 1 Grinder Disc
 - 1 Flap Wheel
 - 2 cutting Discs (Abrasive – No diamond discs)
 - 3 cut-off discs
 - 1 hard stone disc

3/8 UNC Tap and Driver Tool

Hack Saw

2 Replacement Blades

Tape measures for all team members

Crescent wrench

Slip Joint Pliers (1 Per Team Member)

Needle nose pliers

Regular pliers

Vise Gripping Pliers (Maximum of 3 per team) (Regular or C-Clamp type, short or long)

MIG Welding Pliers

Wire Cutters

Tip Cleaners

Striker

Welding Clamps – No Jigs or specialty clamps created for this project

Extension Cord