

Welding 2023-2024 - Updated 1/29/24

Equipment and Materials:

The technical committee will supply the following:

- Materials for welding project
- Print for welding project
- Face shields, but you may bring your own - added 1/29/24

The student will supply the following items: (this are the supplies needed for National competition; some of these items will not be needed for regional competition. Specific equipment/supplies needed will be announced as soon as possible). - 1/29/24

- Fillet Weld Guages - added 1/29/24
- Electric grinder for metal prep
- Hearing and/or ear protection
- Welding gloves - full length (gauntlet) for SMAW
- Welding cap or beanie
- Welding helmet with appropriate filter plate/lens and protective cover lens for tacking and welding; auto-darkening filter plate/lens permissible. Spare filter plate and cover lens
- Cutting goggles - with shade 5 lens/cover lens for OFC/PAC; helmet with shade 5 capability permissible; Faceshield headgear with shade 5 permissible. Spare filter and cover lens.
- Pocket calculator
- Lead pencil and/or ballpoint pen
- Soapstone with or without holder
- A scribe with or without magnet
- Compass
- Protractor
- Combination square set
- 10-foot (3.1 meters) minimum steel tape measure
- 16 - ounce (.45 kilogram) ball peen hammer
- Center punch
- Cold chisel
- 11R or 10-inch (254 millimeters) vise grips
- 6-inch (152 millimeters) needle-nose pliers - welpers permissible
- Chipping hammer
- Carbon steel wire brush
- Stainless steel wire brush
- Friction lighter (striker) and tip cleaner
- LEATHER 6" BOOTS AS A MINIMUM (6" BOOTS W/STEEL TOE PREFERRED)
- Link to the supplies and equipment - Not available at this time; please see national technical standards to get an idea of what you might be required to bring to the contest.