**SkillsUSA Welding Fabrication**

**Contest Information Sheet**

(The following are contest points and rules for the Welding Fabrication. If you have any

question, call the facilitator)

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| **Contest**  | **Welding Fabrication** |
| **Skill Performance**  | The skill performance assessment includes the completion of a metal project and a demonstration of the ability to weld carbon steel, aluminum or stainless steel project in various positions using a variety of filler metals. Contestants will be involved in the completion of a metal project that involves various manufacturing methods.1. SMAW
2. FCAW
3. OAC
4. Written Knowledge Test – 30 Min
5. Blueprint Reading Test – 30 Min
6. Interview

See SkillsUSA Technical Standards for details  |
| Team/Individual  | Team of 3 |
| Date/Location/Start Time  | Feb. 21st Flagstaff High School Welding Shop / 8:00am |
| Limits  | 1 team per school  |
| Attire  | Work attire appropriate for welding: Long pants, boots, welding jacket, leather welding gloves, safety glasses  |
| Job Packet  | Resume must be submitted during interview. (3 copies of each)   |
| Facilitator Contact  | Mike Rust – Ph# (928) 220 –0320 Mrust@fusd1.org  |
| Supplied by Tech Committee  | 1. All necessary materials for the project will be supplied.
2. 7018 1/8” and 3/32’ welding rod
3. 6010 1/8” welding rods
4. Oxygen and acetylene will be supplied for each team (bring your own regulators, hoses and torch)
5. Drawings for the project will be provided prior to the contest. Teams will need to print and bring their own plans to work from.
6. A table, jack stands or horse to work off
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| Supplied by the Team  | 1. Hearing and/or ear protection
2. Welding helmet with appropriate filter plate/lens and protective cover plate/lens in a flip or slide front. Auto darkening shields are permissible
3. Engine driven welding machine (1 per team)
4. Abrasive or dry cut chop saw permissible
5. Wire feeder for FCAW
6. Self shielded flux core wire
7. Oxygen and acetylene regulators, hoses, and a cutting torch
8. All necessary hand tools and layout tools to build the project.
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