

CLSDD Team Welding Event Rules & Regulations

1. Purpose

This contest introduces high school students to the fundamentals of teamwork in the workforce.

Collaboration among members to complete a project using agricultural mechanics skills learned in the classroom and laboratory setting. The event is supported by curriculum of the following Agriculture Food and Natural Resource Coursework. Agricultural Mechanics and Metal Technologies, **Agricultural Facilities Design and Fabrication and Agricultural Power Systems.**

2. Team Makeup

Four (4) FFA members or Four (4) 4H members from the same chapter will make up a team.

Each FFA chapter of 4-H group may enter no more than 2 teams.

3. Event Format

The four member team must complete the construction of a predetermined metal project.

The project will involve the cutting, fitting and welding to specification.

4. Equipment needed by team

a. Industrial-quality eye protection with side shields (Style B) to meet ANSI Z87.1 -1979 standards.

These are to be worn at all times during the competition.

b. Necessary equipment needed to perform an outside welding project (oxy-fuel cutting equipment, portable welding machine, grinders, vises, jack stands, clamps, chop saw, band saw etc.

c. Welding screens to protect others from welding arc flash.

d. Any specialized personal protective equipment that is needed and used for oxy-fuel, grinding, and welding. Examples; equipment guards, face shield, gloves, long sleeved cotton shirt and pants.

e. This is an outside event, if you think you need it then bring it!

5. Contest Rules

- a. All safety rules that apply to oxyfuel use, grinding, welding and personal safety will be observed at all times during the competition.
- b. Welding screens should be used by teams to protect others from the welding arc.
- c. Each team will be assigned a work area and are responsible for the cleaning up of this area d.

No observers will be allowed near the contestants until after the competition is completed. e.

No grinding of completed welds will be allowed, so that they may be evaluated during the judging process.

- f. Metal and welding rods will be provided by the Cleveland Livestock show and Dairy Day.

6. Judging

A scoresheet will be used to visually evaluate (all cuts, bead appearance, etc.) and mechanical (square, measurement, etc.), and all other aspects of the project as well as observation of safety practices (safety glasses used at all times, cutting lenses when oxyfuel cutting, use of face shield when grinding, equipment guards installed, welding screens used, etc.) 7. Judges Placings are Final

*****Pre Register teams only, must be posted marked by
March 19**