

4-H WELDING

Grade 6 and up

Requirements:

Projects **SHOULD NOT** be painted.

All projects shall be welded with an ARC welder only. MIG welder can be used on Grade 12 projects only.

Levels 1, 2, and 3 **MUST** use electrode.

Level 1—Grades 6 and 7

First year exhibitors will weld a box for their fair entry, steel provided.

Second year exhibitors will exhibit one of the following:

- a. a sample weld
- b. a joint weld
- c. a small project
- d. a box, steel not provided

AND an additional sheet explaining welding safety

Level 2—Grades 8 & 9

Complete and exhibit one of the following:

- a. a sample weld using overhead welds
- b. a joint weld using overhead welds
- c. a small project using overhead welds

AND an additional sheet explaining welding symbols

Level 3—Grades 10 & 11

Complete and exhibit one of the following:

- a. a sample weld using out of position welds
- b. a joint weld using out of position welds
- c. a small project using out of position welds

AND an additional sheet explaining the different types of welding rods and their uses

Level 4—Grades 12 Only

Member **may** choose to make their project using a MIG (wire) welder.

Accompanying this shall be a paper explaining the use of different gases, different alloys, and different wires.

Information:

First years members will owe \$20 for equipment and dues.

All other members will owe \$5 dues to cover cost.

Financial assistance available if needed.

The leaders are Blake Norris and Marvin Rees