

# DEARBORN COUNTY



## 4-H



# ELECTRIC ARC WELDING



# ADVANCED

In the Beginner and Intermediate Divisions of 4-H Welding you learned:

1. Safety practices in Arc Welding
2. The different kinds of welding rods and their characteristics
3. The history of Arc Welding
4. The different welding beads
5. The different welding joints

You should review the above information before beginning our project for Advanced Welding.

**Advanced Welding** is for those members who have welded several times and who are ready to repair or make an article.

**REQUIREMENTS:**

1. Weld a minimum of 3 times.
2. Repair at least 1 item which requires welding at your home or farm.

**EXHIBIT:**

One item which you have made or repaired. If it is a repaired item indicate clearly the repairs you made. If it is an item you made, indicate its use, how long it took to make, and whether it is your original design. No item should exceed 3' x 3' unless you contact the Extension Office and get permission to bring it prior to Fair. (This is to enable us in planning building space needs and tables needed.)

The item may be useful, decorative, or artistic.

The following criteria will be used for judging:

1. Quality of the welds used
2. Appropriateness of welds used
3. Quality of the joints made (if any)
4. Appropriateness of joints selected or use (if any)
5. Usefulness of item made
6. Overall appearance and neatness

**Remember:** Make or repair an item worthy of your time and effort. Be proud of what you exhibit!

# Welding Advanced Record Sheet

NAME: \_\_\_\_\_

CLUB: \_\_\_\_\_

GRADE: \_\_\_\_\_

1. List the items you repaired or made.

A. \_\_\_\_\_

\_\_\_\_\_

B. \_\_\_\_\_

\_\_\_\_\_

C. \_\_\_\_\_

\_\_\_\_\_

2. Describe the article you made or repaired for exhibit. If a repair, tell what was wrong with the item before you repaired it.

3. How many different beads did you use on the item? \_\_\_\_\_

4. How many different joints did you use (if needed)? \_\_\_\_\_

5. Did you design the item yourself? \_\_\_\_\_

6. Did you follow blueprints? \_\_\_\_\_

7. Did you draw your own blueprints before beginning the project? \_\_\_\_\_

8. Where will you use the item? \_\_\_\_\_

\_\_\_\_\_

9. Did you save money by repairing or making the item yourself? \_\_\_\_\_

10. If you were to repair or make another item what would you elect to do? \_\_\_\_\_

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Club Leader's Signature