# Welding and Metal Arts\*

Description:

Youth in this project will learn how to identify welding tools and welding safety.

State Fair Entries:

No state fair entries. ***\*County project only***

Exhibit Guidelines:

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member’s exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the way references are listed.

Exhibit a poster that includes a picture of the welding equipment available to you, including safety equipment (helmet, gloves, safety glasses, or goggles), and display 5 welding rods of different sizes and types. Label the size of rod, hear range, metal type, and metal thickness (gage).

Posters are to be 22”x28” and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using no more than 36” of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

*Beginner (grades 3-5 suggested)*

Exhibit an educational poster OR exhibit one weld (choose from: run a bead, lap weld, butt weld, corner weld or “T” weld). The metal size should be 2” wide X 6” long and no more than ¼” thick. The 6” sides should be welded together.

*Intermediate (grades 6-8 suggested)*

Exhibit an educational poster OR exhibit two welds (choose from: run a bead, lap weld, butt weld, corner weld or “T” weld). The metal side should be 2” wide X 6” long and no more than ¼” think. The 6” sides should be welded together.

*Advanced (grades 9-12 suggested)*

Exhibit an educational poster OR exhibit four welds (choose from: run a bead, lap weld, butt weld, corner weld, or “T’ weld). The metal size should be 2” wide X 6” long and no more than ¼” thick. The 6” sides should be welded together.

UPDATED (10/21) by Brooke Goble