

Project Number & Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects
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**Welding**

573 <i>Arcs and Sparks</i>	I	<p>Recommended number of areas, building skills, and developing knowledge questions for your year            At least 2 organized project activities            At least 2 leadership/citizenship activities            Build at least 2 weldments/or other items in book            One-page report</p>	<p>JUDGING: Bring two exhibitor made items; • One of the following unaltered item from the book: boot scraper, tools (chipping hammer or jig), Christmas tree stand, post driver, brackets with hoods and eyes, electrode holder, pedestal (for mounting a power tool), or welding table with positioner. • The second item may be another item plan from the project book or a plan that showcases the tools and skills learned from this specific welding project. • PLEASE NOTE: First year participants should make both items from the book. Participants should be able to explain how they used the tools when they made their projects. Bring completed project book, items made, and be prepared to discuss what you have learned in the project.</p> <p>FAIR: Exhibit one item constructed for the project.</p>	<p>Welding Day  <a href="http://ohio4h.org/nonlivestockguidebook">ohio4h.org/nonlivestockguidebook</a>            NOTE: All projects must be done using Shielded Metal Arc Welding (SMAW).</p>
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Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8 to 10 year olds; **I** = Intermediate level, for members with some experience in a project area, or 11 to 13 year olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.