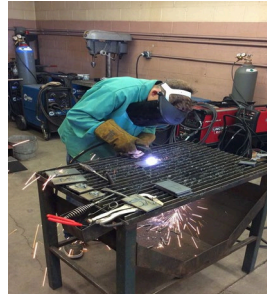




## NM 4-H Welding- The Basics of Welding - Greentop

400.L-33 R-18



### Objectives:

To develop 4-Her's skills in arc welding after demonstrating their safety skills and becoming familiar with necessary equipment. Members will have completed this project after practicing and demonstrating their skills, making a lap, butt, and tee weld, and exhibiting a skill plate or adjustable saw horse.

### Materials Included in this project:

- The Basics of Welding—Introduction Guide for Members and Leaders Project Book 100.I-33 (R-05)
- Record Form 300.A-7 (R-18)

### Suggested tips for successful project completion:

- Review the project book, record sheet and greentop before your first meeting with the volunteer leader.
- Be prepared to meet with an adult volunteer who will demonstrate the safe and proper use of equipment, and make sure every member is comfortable with each piece of equipment.
- 4-H Welding projects are meant to be done in a group environment with adult supervision at all times, do not use any equipment unless a knowledgeable adult is present.
- Make skill plate demonstrating Lap, Butt, and Tee welds
- Exhibit welding project at county, regional, or state fairs.
- For the completion of the project, complete the record sheet and turn in a county record book to your local Extension Agent.

### Suggested Activities:

- Give demonstrations on shop safety, metal work and welding techniques.
- Attend field trips that explore the welding industry.
- Visit a local welding supply store.
- Participate with experienced welders, serving as their assistant.
- Construct and exhibit adjustable saw horse and skill plate.
- Welding is a blend of art and utility, the more hours spent practicing, the more accomplished you will become.

### Additional info can be found from:

- County Extension Agent
- Your 4-H Club or Project Leader
- Local Electric Company
- Local Electricians
- Library
- Internet

Hanagan, 2004; Revised 2018