



All About Discovery!
 College of Agricultural, Consumer
 and Environmental Sciences
 Cooperative Extension Service
 Extension 4-H Youth Development

Engineering Science



NM 4-H Electricity 4 Greentop

400.E-104 R-18



Objectives: To develop knowledge and skills about identifying electric and electrical parts, identifying devices that use electrical parts, soldering, and various electrical components such as resistors, capacitors, diodes and transistors. You will also learn planning, organizing, comparing and measuring, making decisions, communication skills, and problem solving.

Materials Included in this project

- Electricity 4—Entering Electronics Project Book
- Record Form 300.A-7 (R-18)
- Electricity 4—Entering Electronics Greentop

Suggested tips for successful project completion.

- Review the project book, record sheet and greentop before preparing speeches, workshops, or demonstrations.
- Make a check list to complete as you work this project.
- Participate in county, state and regional fairs.
- Enter project materials or demonstrations in the county, district or state contests.
- Attend project days or events to listen to experts in the field.
- For the completion of the project, complete the record sheet and project book and turn in a county record book to your local Extension Agent.

Suggested Activities

- Give demonstrations or illustrated talks on how to build a small amplifier to power a speaker.
- Exhibit posters with steps for soldering electrical components at the county, regional or state fair.
- Give a prepared speech or demonstration about different electrical components to your club or school.
- Help others prepare a speech or demonstration on the difference between hand spliced and soldered wires for an electrical connection.

Additional info can be found from:

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



Greeman, 2005; Revised 2018