



Electric Level 1 Introduction

Welcome to the 4-H Electric Project! The first level of the Electric project is intended for youth in grades 3 or 4 or those who are just beginning to explore electricity.

Electricity is being utilized all around us – whether that be in nature, like our nervous system, demonstrated by insects and animals, or more noticeably by static electricity in the form of lightning, or all the manmade items that need electricity to be manufactured and then to operate and do work for us.

With the level 1 materials, the 4-Her will better understand and recognize the world of electricity.

4-H participants will be evaluated on how well they are meeting the expectations of the program. Their projects, along with Skills & Knowledge Sheets are scored by judges during the fair. While this is intended to be fun and educational, there are industry standards that keep participants safe.

You should receive **Book 1-Magic of Electricity** and **Book 2-Investigating Electricity** from your local Extension Educator. The activities in these resources will begin to give the 4-Her a better understanding of electricity and how to make use of it.

Other resources that will help you complete your project can be found on the Purdue Extension website. Visit <https://extension.purdue.edu/4-H/projects/4-h-project-electric.html> and look for the following under Project Resources:

- **Score Cards**
- **Record Sheets**
- **Level I Project Sheets**
- **Exhibit Guidelines**
 - **Electric Exhibit Guidelines**
 - **Electric Skills and Knowledge Sheet**
 - **Exhibit Skills and Knowledge Chart**
- **Instructional Videos**
- **Other** (includes information on how to order kits, how to make a poster, and books about wiring)

Be sure to review the **Score Card** for your particular project first so that you understand the judges' expectations for the project and the participant.

Inquire of your local Extension Educator for Electric Project Leaders in your area. They may hold workshops or give advice on the electric project.

Note: Projects can be in the form of Physical Objects, Posters, Display Boards or Written Report at any level. Projects are not limited to all the resources mentioned here or on the Purdue extension website. We encourage creativity within projects if they are age and level appropriate.

Safe industry standards must be observed with electrical components and will be judged accordingly.

Good luck, have fun and be safe!