



Electric Level 3 Introduction

Welcome to the 4-H Electric Project! The third level of the Electric project is intended for youth in their third year of the Electric project or those who are the appropriate age, but just beginning to explore electricity.

The materials used to conduct and insulate electricity are woven around us whether you are indoors or outdoors. They may be visible on poles or underneath your feet in the ground. In buildings they are hidden in walls and ceilings. Engineers have come up with designs and standards on how to route and protect people and structures from electrical circuits. The level 3 materials will give you better understanding and reasoning for 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 projects and participants safe.

You should have received **Book 3-Wired for Power** from your local Extension Educator this year. The activities in this resource will be utilized this year as you continue to grow.

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 III 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!