



Electric Level 5 Introduction

Congratulations on completing the four previous levels of the 4-H Electric Project! We hope you have learned a lot, have had some fun learning and that the first four levels have stimulated your interest in electricity.

The fifth level of the Electric project is intended for youth in their fifth through 10th year of the Electric project or those who are experienced and the appropriate age to further their education of electricity. In the first four levels you should have learned the basics of electricity. In level 5 there are no rigid project requirements. What you do is up to you. You will be in level 5 for the rest of your 4-H electric career. Electronics will be introduced and a viable option for a project every year. The level 5 materials will give you suggestions and options to expand your knowledge of electricity/electronics.

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 receive **Book 4 – Entering Electronics** from the Extension Educator.

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 V 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. Look for an expert in the field for additional input and guidance.

Note: Projects can be in the form of Physical Objects, Posters, Display Boards, Electronic Media, or Written Report (check with local extension office for an acceptable Electronic Media format). 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!