



Enroll in ZSuite Under this Project Name: TECS-ELECTRICITY-Lv 1: Magic of Electricity

Approved for 2024-25 Project Year

Project Description: Youth explore why certain things insulate from electricity better than others and the effect that magnetism has on certain substances. They build a flashlight, a compass, an electromagnet, and an electric motor.

REQUIRED YOUTH CURRICULUM

[Electric 1: Magic of Electricity](#) (#06848), 2002

[ZSuite 4-H Involvement Report](#)

[ZSuite 4-H Project Record Book](#)

REQUIRED VOLUNTEER CLUB LEADER CURRICULUM

[Electric Group Helpers Guide](#) (#06852), 2002

SUPPLEMENTAL RESOURCES

none



PROJECT COMPLETION CHECKLIST

STATE REQUIREMENTS	
	Complete at least 3 required activities and 4 optional activities each year.
	Complete at least 21 total required and optional activities in three years or less to complete this achievement program.
	Participation in at least two Leadership experiences a year.
	Have your electric helper date and initial the activities as you complete them.
	Complete the 4-H Project Record Book for this project in your ZSuite Member Account
	Fill out your 4-H Involvement Report in your ZSuite Member Account
	Give an oral presentation (speech, demonstration, or illustrated talk) to your 4-H peers on a topic related to this project. Recommended guidelines for length of oral presentations are: <ul style="list-style-type: none"> • Junior: 5-8 minutes • Intermediate: 8-10 minutes • Senior: 10-12 minutes

ADDITIONAL LOCAL REQUIREMENTS

FAIR EXHIBIT CHECKLIST	
	Completed Idaho 4-H Involvement Report (ZSuite)
	Completed Idaho 4-H Project Record Book for this project (ZSuite)
	Member Guide (this is a 3 year project make a delineation of what items are completed each year)
	<p>ONE of the following exhibit options:</p> <ul style="list-style-type: none"> • A poster (14"x22") or display illustrating something you learned in this project this year. • A scrapbook of pictures of a Leadership activity or circuits made or being tested. • One of the following items (each year it should be a different item): <ul style="list-style-type: none"> ○ Homemade Flashlight ○ Simple Switch ○ Circuit with two batteries and one light bulb ○ Compass ○ Electromagnet ○ Galvanometer ○ Electric Motor
	Note: Exhibits must utilize only skills, tools, and techniques taught in this project book.

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