



Enroll in ZSuite Under this Project Name: TECS-ELECTRICITY-Lv 4: Entering Electronics

Approved for 2024-25 Project Year

Project Description: This unit introduces the basics of solid-state electronics and provides hands-on activities for practical experience in understanding modern-day electronic equipment.

REQUIRED YOUTH CURRICULUM

[Electric 4: Entering Electronics](#) (#06851), 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 in your Entering Electronics project manual 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)
	Entering Electronics project manual
	ONE of the following exhibit options: <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"> ○ Display of electronic parts ○ Diode ○ Transistor ○ Light emitting diode (LED) ○ LED flasher ○ Photocell alarm ○ Light Meter ○ Silicon controlled rectifier (SCR) intruder alarm ○ 6-8 Watt amplifier with integrated circuit
	Note: Exhibits must utilize only skills, tools, and techniques taught in this project book or previous level.

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