University of Idaho Extension

Tech, Engineering & Computer Science
Electricity
Lv 4 - Entering Electronics

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

Approved for 2023-24 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: • 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:
	• 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):
	  ○ 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.