

# Science & Technology

## ELECTRICITY

### LEVEL 4

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Rev. 09-20

Projects & Materials	Requirements	Exhibit Requirements
<p><b>Youth Materials:</b></p> <ul style="list-style-type: none"> <li>• <b>National 4-H Curriculum</b> <i>Entering Electronics, Level 4 (#BU-06851)</i> 📖 2002</li> <li>• <i>ZSuites 4-H Involvement Report</i></li> <li>• <i>ZSuites 4-H Project Record Book</i></li> </ul> <p><b>Volunteer Materials:</b></p> <ul style="list-style-type: none"> <li>• <b>National 4-H Curriculum</b> <i>Electric, Helper's Guide (#BU-06852)</i> 📖 2002</li> </ul>	<p>In the member's current Manual:</p> <ul style="list-style-type: none"> <li>• Complete at least 3 required activities and 4 optional activities each year.</li> <li>• Complete at least 21 total required and optional activities in three years or less to complete this achievement program.</li> <li>• Participation in at least two Leadership experiences a year.</li> <li>• Have your electric helper date and initial the activities as you complete them.</li> <li>• Give an oral presentation (speech, demonstration or illustrated talk) related to this project.</li> </ul> <p>Complete the following:</p> <ul style="list-style-type: none"> <li>• <i>ZSuites 4-H Involvement Report</i></li> <li>• <i>ZSuites 4-H Project Record Book</i></li> </ul>	<ul style="list-style-type: none"> <li>• ZSuites 4-H Project Record Book</li> <li>• ZSuites 4-H Involvement Report</li> <li>• Completed member guide</li> </ul> <p>Exhibit should be related to one of the focus activity areas in your member manual. Ideas for an exhibit include the following:</p> <ul style="list-style-type: none"> <li>• A poster (14"x22") or display illustrating something you learned in this project this year.</li> <li>• A scrapbook of pictures of a Leadership activity or circuits made or being tested.</li> <li>• One of the following items (each year it should be a different item):             <ul style="list-style-type: none"> <li>○ Display of electronic parts</li> <li>○ Diode</li> <li>○ Transistor</li> <li>○ Light emitting diode (LED)</li> <li>○ LED flasher</li> <li>○ Photocell alarm</li> <li>○ Light Meter</li> <li>○ Silicon controlled rectifier (SCR) intruder alarm</li> <li>○ 6-8 Watt amplifier with integrated circuit</li> </ul> </li> </ul> <p><b>Note:</b> Exhibits must utilize only skills, tools, and techniques taught in this project book or previous level.</p>
<p><b>County Requirements:</b> Check with your County Extension office for more information.</p>		
<p><b>Supporting Materials</b> To order materials from National 4-H Council visit <a href="https://shop4-h.org/products/electric-excitement-curriculum-4-entering-electronics">https://shop4-h.org/products/electric-excitement-curriculum-4-entering-electronics</a> Volunteer Guide: <a href="https://shop4-h.org/products/electric-excitement-helpers-guide">https://shop4-h.org/products/electric-excitement-helpers-guide</a> Idaho 4-H Electric Power page: <a href="https://www.uidaho.edu/extension/4h/projects/electric-power">https://www.uidaho.edu/extension/4h/projects/electric-power</a></p>		