

Indiana Academic Standards for the Indiana 4-H Electric Curriculum (Grades 3 – 5)

Grade 3

Indiana Academic Standards • Grade 3 – 4-H Division 1 Electric	Getting On Track with Electricity (paper manual)	English/ Language Arts	Mathematics	Science	Social Studies
	1. Battery vs. wall-based electricity	3.1; 3.2; 3.7	n/a	3.1.2; 3.1.3; 3.1.4; 3.1.6; 3.1.7	n/a
	2. How does electricity make things work	3.1; 3.2; 3.7	n/a	3.6.1; 3.6.2	n/a
	3. Conductor or Insulator	3.1; 3.2; 3.7	n/a	3.2.7	n/a
	4. Let's be friends with electricity	3.1; 3.2; 3.7	n/a	n/a	n/a
	5. Hazard or not?	3.1; 3.2; 3.7	n/a	n/a	n/a
	6. Building the circuit board	3.1; 3.2; 3.7	n/a	3.2.4; 3.2.5; 3.6.3	n/a
	7. Let's make a circuit board	3.1; 3.2; 3.7	3.5	3.2.4; 3.2.5; 3.5.1; 3.6.3	n/a
	Electric City (Interactive CD)	English/ Language Arts	Mathematics	Science	Social Studies
	1. What is electricity?	3.1; 3.2; 3.7	n/a	3.1.2; 3.1.3; 3.1.4; 3.1.6; 3.1.7	n/a
2. Circuits	3.1; 3.2; 3.7	n/a	3.6.1; 3.6.2	n/a	
3. Conductors and Insulators	3.1; 3.2; 3.7	n/a	3.2.7	n/a	
4. Magnetism	3.1; 3.2; 3.7	n/a	3.1.4	n/a	
5. Safety	3.1; 3.2; 3.7	n/a	n/a	n/a	
6. Soldering	3.1; 3.2; 3.7	n/a	3.2.4	n/a	
7. Hands on activity	3.1; 3.2; 3.7	n/a	3.2.6; 3.6.3	n/a	

Grade 4

Getting On Track with Electricity	English/ Language Arts	Mathematics	Science	Social Studies
1. Battery vs. wall-based electricity	4.1; 4.2; 4.7	n/a	4.1.7; 4.2.3	n/a
2. How does electricity make things work	4.1; 4.2; 4.7	n/a	4.6.1; 4.6.2	n/a
3. Conductor or Insulator	4.1; 4.2; 4.7	n/a	4.1.2	n/a
4. Let's be friends with electricity	4.1; 4.2; 4.7	n/a	n/a	n/a
5. Hazard or not?	4.1; 4.2; 4.7	n/a	4.1.3; 4.6.2	n/a
6. Building the circuit board	4.1; 4.2; 4.7	n/a	4.1.6; 4.6.2	n/a
7. Let's make a circuit board	4.1; 4.2; 4.7	n/a	4.1.6; 4.6.2	n/a
Electric City (Interactive CD)	English/ Language Arts	Mathematics	Science	Social Studies
1. What is electricity?	4.1; 4.2; 4.7	n/a	4.1.7; 4.2.3	n/a
2. Circuits	4.1; 4.2; 4.7	n/a	4.6.1; 4.6.2	n/a
3. Conductors and Insulators	4.1; 4.2; 4.7	n/a	4.1.2	n/a
4. Magnetism	4.1; 4.2; 4.7	n/a	4.3.15; 4.3.16	n/a
5. Safety	4.1; 4.2; 4.7	n/a	n/a	n/a
6. Soldering	4.1; 4.2; 4.7	n/a	n/a	n/a
7. Hands on activity	4.1; 4.2; 4.7	n/a	4.1.6; 4.6.2	n/a

Grade 5

Indiana Academic Standards • Grade 5 – 4-H Division 1 Electric	Getting On Track with Electricity	English/ Language Arts	Mathematics	Science	Social Studies
	1. Battery vs. wall-based electricity	5.1; 5.2; 5.7	n/a	5.1.5	n/a
	2. How does electricity make things work	5.1; 5.2; 5.7	n/a	5.3.11; 5.6.1	n/a
	3. Conductor or Insulator	5.1; 5.2; 5.7	n/a	5.1.1; 5.3.10	n/a
	4. Let's be friends with electricity	5.1; 5.2; 5.7	n/a	n/a	n/a
	5. Hazard or not?	5.1; 5.2; 5.7	n/a	n/a	n/a
	6. Building the circuit board	5.1; 5.2; 5.7	n/a	5.2.7	n/a
	7. Let's make a circuit board	5.1; 5.2; 5.7	n/a	5.2.7	n/a
	Electric City (Interactive CD)	English/ Language Arts	Mathematics	Science	Social Studies
	1. What is electricity?	5.1; 5.2; 5.7	n/a	5.1.5	n/a
2. Circuits	5.1; 5.2; 5.7	n/a	5.3.11; 5.6.1	n/a	
3. Conductors and Insulators	5.1; 5.2; 5.7	n/a	5.1.1; 5.3.10	n/a	
4. Magnetism	5.1; 5.2; 5.7	n/a	n/a	n/a	
5. Safety	5.1; 5.2; 5.7	n/a	n/a	n/a	
6. Soldering	5.1; 5.2; 5.7	n/a	5.2.7	n/a	
7. Hands on activity	5.1; 5.2; 5.7	n/a	5.2.7	n/a	