

# WRITING PROMPT

4

## ELECTRIC CIRCUITS

### Prompt

*Families and friends will be coming to Science Night. You want them to build a switch in a series circuit. Write the steps involved in completing this task. List materials needed. Remember to include signal words: first, next, then and finally. Draw and label the finished project.*

### Word Walls

*light bulb  
troubleshooting  
battery  
wire  
current  
circuit diagrams  
switch*

#### Writing Standards

- E2a – Report Writing
- E2b – Response to Literature
- E2c – Narrative Account
- E2d – Narrative Procedure

#### Science Standards

- S1 Physical Sciences Concepts
- S2 Life Sciences Concepts
- S3 Earth and Space Sciences Concepts
- S7 Scientific Communication

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## ELECTRIC CIRCUITS

### Prompt

*On Friday, you will share your flashlights with the third graders. Explain the steps involved in making a flashlight so the third grader you are sharing with will clearly understand how to make a flashlight. Remember to include the signal words: first, next, then and finally, in your explanation. Label any drawings or illustrations you include.*

### Word Walls

*small bulb  
battery  
negative  
positive  
switch  
circuit  
circuit diagram  
current flow  
wire  
flashlight*

#### Writing Standards

- E2a – Report Writing
- E2b – Response to Literature
- E2c – Narrative Account
- E2d – Narrative Procedure

#### Science Standards

- S1 Physical Sciences Concepts
- S2 Life Sciences Concepts
- S3 Earth and Space Sciences Concepts
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# QUICK WRITES

GRADE 4

## Electric Circuits

### Lesson No.

1

*Tell me what you know about electricity. List any questions you have about electricity.*

2

*Describe one way you got the light bulb to light.*

3

*Using pictures on the activity sheet one, select one picture and describe clearly why it did or did not light.*

4

*Write five facts you've learned about Thomas Edison.*

5

*Draw and label the parts of a complete circuit. Explain your drawing.*

6

*Tell me what you've learned about troubleshooting.*

7

*Tell me what you've learned about conductors and insulators.*

8

*Tell me what you think the glass part of a light bulb does.*

9

*Describe the strategy you used to find the hidden circuits in the mystery box..*

10

*After learning about the secret language for diagramming circuits, tell why you think electricians use this method in their work.*

- 11** *Predict what will happen to the light bulbs when you build circuits in a series and bulbs in parallel. After connecting the final wire, describe what actually happened and why you think this happened.*
- 12** *Tell me what you've learned about switches.*
- 13** *Today we are going to come up with a plan for making a flashlight. Describe what you think are the important parts of a flashlight.*
- 14** *Compare and contrast how electricity passes through a diode and a wire.*
- 15** *When making a plan to wire a house for electricity, what thing will you need to decide? Write at least 3.*
- 16** *Write about an interesting or amusing example of problem you had when wiring your house and explain how you solved it.*

# WORD WALL

## Electric Circuits

electricity	troubleshooting	bulb
light bulb	conductors	circuit diagrams
simple battery	insulators	parallel circuits
wire	semiconductors	flashlight
small bulb	filament	diode
circuit	hidden circuit	semiconductor diode
electric current	connected wires	switch
positive	crossing wires	battery
negative	current flow	electrons