



## ELECTRICITY and CIRCUITS (K-2)

### The SCIENCE of CIRCUITS:

**Energy** is a power source.

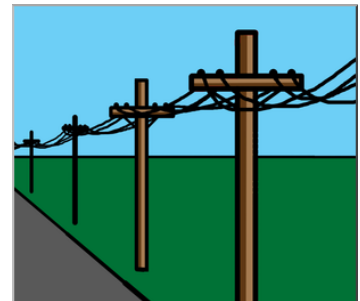
**Electricity** is one type of energy.



**Electrical energy** can be dangerous, but is also used to power many things, like lights and cars.



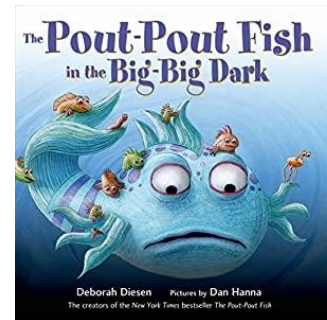
A **circuit** is a path that lets electricity flow through.



### READ:

[\*The Pout-Pout Fish in the Big-Big Dark\*](#) by Deborah Diesen takes you on a deep dive in search of a lost pearl!

Don't have the book? Click the title for digital access or check out videos – including [sing-alongs](#)!

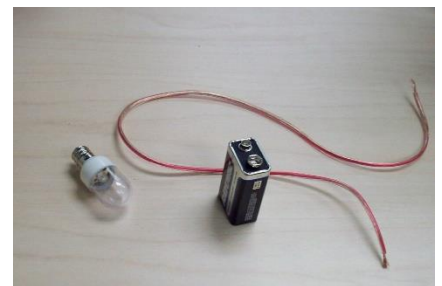


### ACTIVITY: SIMPLE CIRCUIT

Materials: 2 sets of wires (open end or alligator clips), a flashlight, 1 battery, pencil, paper [OPTIONAL: [SNAP Circuit kit](#)]

#### **Adult Supervision Recommended**

1. Unscrew the flashlight and remove the battery
  - a. Look inside the flashlight – what do you see? (metal spring or tab)
2. Carefully take the bulb out of the flashlight
  - a. Draw a picture of the battery and another of the bulb. How do you think they are connected to make a complete circuit?
3. Take 1 wire, 1 battery and the bulb. Can you make the bulb light up? Finish your picture to show your circuit.



**EXPLORE:** Can you make the bulb light up with 2 wires? Now try it with a second battery!

For step-by-step instructions, watch the video at: [Circuit STEM Activity](#)

*This at-home educational activity is from the Literacy Coalition of Palm Beach County's literacy-based Stories & STEM program. Stories & STEM is made possible with support from Prime Time Palm Beach County, Inc., which receives significant funding from the Children's Services Council of Palm Beach County, Inc.*

*Having fun? Send pictures or video links of you and your Stories & STEM projects to [csharkey@literacypbc.org](mailto:csharkey@literacypbc.org)*