

CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

Science

Book: Simple electricity (4F)

Pages 10-17

Everything here is based on our Curriculum Visions book Simple electricity (4F)

In this segment, we are going to learn about how to make circuits.

You will need to go to pages 10-11 of the book. If your teacher agrees, use the materials in picture 2 to make a circuit that will light a bulb.

Answer.....

Students own work. If students have difficulty, make sure their connections are secure and touch the metal.

Go to pages 12-13. How can you know how many batteries to use with a bulb?

Answer.....

You need to match the voltage of the batteries to the voltage of the bulb.

How many 1.5 volt batteries do you need to use to light up a 3-volt battery?

Answer.....

2

Go to pages 14-15

What does a switch do?

Answer.....

They control the flow of electricity by breaking the circuit.
They allow you to turn a circuit on and off.

If your teacher agrees, add a switch to your circuit.

Answer.....

Direct students to pictures 3 and 4 on page 15. If you do not have alligator clips, they can use tape and aluminium foil. Make sure their connections are secure.

Go to pages 16-17

How is a torch different from the circuit that you made?

Answers will vary.....

Answers could include: it has a case, it uses different batteries, it has a reflector, the circuit is smaller/shaped differently, it uses a spring to hold the batteries in place.

If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.