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This room has many, many things. Looks like some of them need electricity to work. Circle all the things that use electricity.

How does this activity helps?
You will learn to differentiate electrical items from others.
Your observation skills get sharper.
Components of A Circuit

A circuit has the following parts: battery, switch, bulb and wire. They are depicted in the table below. Observe carefully.

Here there’s a circuit diagram; try to name the parts. After you finish labelling the parts, attempt the drawing of a circuit using the parts in the empty box.

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<tr>
<th>Name</th>
<th>Illustrations</th>
<th>Symbol</th>
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<tr>
<td>BATTERY</td>
<td></td>
<td><img src="image" alt="Symbol" /></td>
</tr>
<tr>
<td>SWITCH</td>
<td><img src="image" alt="Illustration" /></td>
<td><img src="image" alt="Symbol" /></td>
</tr>
<tr>
<td>BULB</td>
<td><img src="image" alt="Illustration" /></td>
<td><img src="image" alt="Symbol" /></td>
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<tr>
<td>WIRE</td>
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How does this activity help?
You learn about what a circuit consists of and the symbols of different elements.
You draw a circuit of your own using different parts.
Does The Light Bulb work?

You have learnt how a circuit is put together/assembled. Now look at these circuit diagrams and write under each if the light bulb will turn on or not.

1) 2) 3) 4) 5) 6)

Answers: 1) No 2) No 3) Yes 4) Yes 5) Yes 6) Yes

How does this activity help?
You understand how circuits work; your observation skills improve.
Electric or not!

There are things that need electricity and things that don’t. Colour the ones that need electricity to function. Also write the names of the objects below them.

How does this activity help?

You work on your observation skills.

You know the difference between things that need electrical energy and things that don’t.
How does this activity help?
Your problem solving abilities increase, apart from your fine motor control and visual motor skills.
A _______ is a closed loop that allows electrons to pass through.
A circuit will only work if it is _______.
_______ are things that allow heat and electricity to easily pass through them.
A _______ and a closed circuit is needed for _________ to flow.
A ______ allows to turn the electricity on or off.

How does this activity helps?
Your problem solving skills sharpen and you also gain new knowledge.
Materials that let electricity pass through them are called conductors and materials that readily do not allow electricity to pass are called insulators.

In this sheet, there are pictures of conductors and insulators, look at them closely and write 'C' for conductors and 'I' for insulators below the objects.

Some common conductors are copper, aluminum, gold, silver, water, and human body. Some common insulators are glass, air, plastic, paper, rubber, and wood.

How does this activity help?
You understand the difference between conductors and insulators.
Electric Maze

Electrical circuits are connected to the earth for safety reasons. In this activity you will help the electric rod to reach the ground.

How does this activity helps?
Your fine motor skills are sharpened. You understand the basics of electrical engineering.
Match The Electricity Symbols

There are a few common symbols used while drawing a circuit. Match the symbols to the words, they are also shown as drawings for your understanding.

How does this activity help?
You understand the common elements used to draw a circuit, you learn the connection between the words and symbols.
Decide The Jumbled Words

Unscramble the jumbled word...! Pssst, there are illustrations for each one to help you decode the words.
Try to play a game of spell the word after you complete this activity.

omthsa vlaa sondei

How does this activity help?
Your language and vocabulary improves.

tuiccir

eryattb

twisch

citytrielec

Answers: Thomas Alva Edison, Circuit, Battery, Switch, Electricity
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