

Date: _____

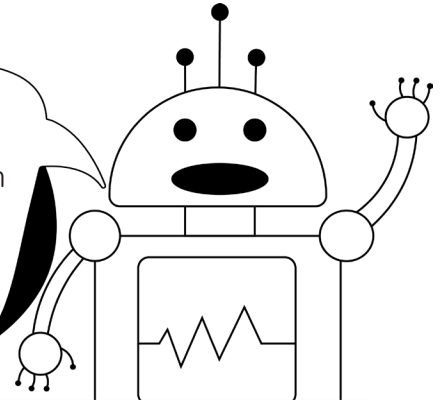
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Electricity Usage

This activity was created by Katy.

Do you have a microwave oven? Do you charge the battery of a device, like a computer or a phone? Do you use hot water to have a shower or bath? These things all require electricity to work! But what is electricity? It is a type of energy that is made by the movement of electrons between atoms. This movement happens at a molecular level that is too small for us to see with our eyes, but electricity can be seen in different forms, such as lightning during a thunderstorm. Lots of people use electricity every single day, in the morning, afternoon, evening and sometimes during the night too!

The 24-hour clock is way to measure time that counts the hours that have passed starting at midnight and resetting 24 hours later at the next midnight. This means we don't have to use am or pm when telling the time, all of the time in the morning is the normal time, but after noon it keeps going up, meaning 1:00pm is written as 13:00; 2:00pm is 14:00 etc. The 24-hour clock is commonly used in coding because it is often easier to use only numbers rather than numbers and letters (AM, PM) together.



Use the charts below to think about the last day you spent mostly at home and record the electricity you use in one day! Think about ways you use electricity in each room, even when you aren't necessarily in that room. Is your phone still charging in that room, or are you playing music? Don't forget to record the date!

Daily Electricity Usage Chart

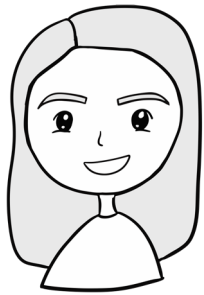
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	Bedroom	Bathroom	Kitchen	Living Room
Example	<i>Lamp was on (1 hour), charging phone (2 hours)</i>	<i>Electric toothbrush (15 mins), hot water to shower (20 mins)</i>	<i>Toaster oven (5 mins), ceiling light (20 mins), refrigerator</i>	<i>Televisions (30 mins)</i>
12:00-6:00				
6:00 - 8:00				
8:00 - 10:00				
10:00 - 12:00				
12:00 - 14:00				
14:00 - 16:00				
16:00 - 18:00				
20:00 - 22:00				
22:00 - 24:00				

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Now look back at that chart and try to think of different ways you could save energy during the day. Fill out the next chart with ideas on how to save energy.



Here's some hints to get you started:

- turn off the light every time you leave a room
- unplug devices as soon as they are fully charged
- use natural (sun) light during the day
- use energy efficient light bulbs
- turn off any electronic devices that you aren't using
- reduce your screen time

Can you think of more ways to save energy?

	Things you can do to reduce your energy usage
Example	<i>Do not charge phone overnight, turn off the lamp when I leave the bedroom, figure out everything I need from the fridge so I only have to open it once to get everything out, rather than constantly opening and closing it.</i>
12:00-6:00	
6:00 - 8:00	
8:00 - 10:00	
10:00 - 12:00	
12:00 - 14:00	
14:00 - 16:00	
16:00 - 18:00	
20:00 - 22:00	
22:00 - 24:00	