

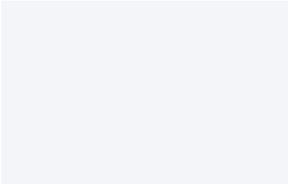
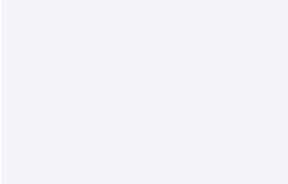
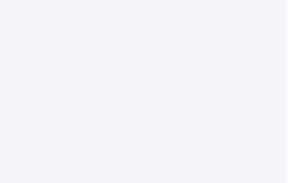
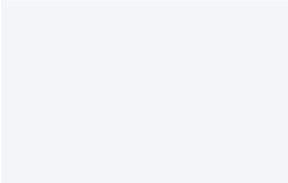
# Measuring Energy with KB2 and REG

Suitable for years **3-6!**

KB2 and REG generate electricity that appliances in our home use to work. But the appliances use different amounts of electricity, which is measured in KWh (kilowatt hour).

## Task 1

Below are electrical items you use in your home. Draw the missing 4 items and cut them out. Guess which use a high amount of electricity, and those that use a low amount of electricity.

|   |  |
|---|--|
|  <b>Hairdryer</b> |  <b>Radio</b> |
| <b>Light</b>     | <b>Fan</b>  |
|  <b>Kettle</b>   |  <b>TV</b>   |



Just because an item is small doesn't always mean it uses less energy. Sometimes the items that we use little and often use the most electricity.

| High Electricity Usage | Low Electricity Usage |
|------------------------|-----------------------|
|                        |                       |



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## Task 2

Your teacher will then take you through which electrical items fit into which category. Now you know which items use a lot of electricity and which items use a little, **re-organise the items in your table to make sure they're in the right category and stick them in the right column.**

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## Task 3

Let's play electricity bingo!

The first person to tick off an electrical item in each category needs to shout REG!

The first person to tick off all the electrical items in one category needs to shout KB2!

The first person to tick off all 6 electrical items shouts Bingo!

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## Task 4

At home with an adult, it's time to find out exactly how much electricity you use. Ask your adult to show you the electricity meter. Take a reading each day for one week and write it down in the table below:

| Monday | Tuesday  | Wednesday | Thursday |
|--------|----------|-----------|----------|
|        |          |           |          |
| Friday | Saturday | Sunday    | TOTAL    |
|        |          |           |          |

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## Task 5

To work out how much electricity you use, subtract Monday's reading from Sunday's reading. This will tell you how much electricity you use in the school week. Add your total to the table above.

