

HEROES ENERGY



LOG BOOK

NAME _____

SCHOOL _____

CLASS _____



If you have a thermostat for your heating, ask a grown-up to check it. It should be set at around 18–21°C. If you turn it down by 1°C you will save about £65 a year!

Have you got a thermostatic valve on your radiator? If so, it should be on number 3 for the most effective, steady heating.



Watch out! Is the kettle being filled to the top for just one cup of tea? That will waste energy and cost £20 a year extra.



Shower Power! A shower uses 1/3 of the energy needed for a bath. That would save you £50 a year too!



££££ Top Tips for Saving Energy ... and saving the world!



Don't let the tap run while you're brushing your teeth! Just use water to wet the brush and rinse afterwards. Leaving the tap running wastes 6 litres of water a minute. That would fill 24 cups. And it costs you £30 a year, too.



Don't waste food! The average UK family throws away food worth around £540 every year! That's a lot of money and a lot of wasted energy.



Log Book

Ask a grown-up to do this with you the first couple of times so that you get it right! They need to 'check' the box in your **Log Book** with a signature.

Don't forget the top tips about staying safe around electricity that we explored in the lesson.

Digital meter

Your digital meter displays readings in one row of figures (single register) or two rows of figures (two registers).

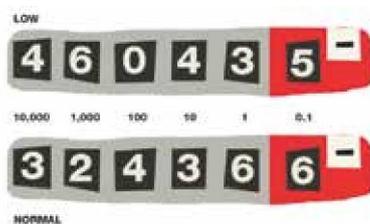
How to read a digital meter with two registers

If your tariff gives you lower priced off-peak electricity your meter may have two rows of figures like the one in the picture.

The top row usually records the off-peak electricity you use. It is marked LOW or NIGHT.

The bottom row usually records the normal-rate electricity you use. It might also be marked RATE 1 or RATE 2. Make a note of the markings as this will be useful when exploring your energy use later.

To take a reading, write down the numbers shown from left to right in both rows. Ignore the last figure marked 0.1.



Dial meter

Your dial meter consists of six dials. You read these from left to right.

You only need to read the first five dials. Start with the 10,000 kWh dial on the left and stop after the 1 kWh dial.

Don't read the last dial on the right. It's only used for testing purposes.

Remember that the dials move in opposite directions, as shown by the red arrows in the picture below.

How to read a dial meter

If the pointer falls between two numbers, always read the lower number. In Figure A you would write down the number 4.

If the pointer is directly over a number always record it. In Figure B below you would write down the number 5.

If the pointer on a dial falls between 9 and 0, reduce the reading already taken for the dial on the left by one. For example, if your original recorded 5, reduce this to 4.

Follow these instructions, and you'll find the correct meter reading for the dial in the diagram below is 44928.



My Meter Reading

Week beginning: _____

What is being measured? (Circle your answer) Solar energy generated Electricity use Gas use

Where is the meter? (Circle your answer) Home School Family business

Day	Time of reading	Meter reading (kWh)	Difference in kWhs since last reading	Checked (Adult signature)
Monday			Not Applicable	
Tuesday				
Wednesday				
Thursday				
Friday				
Saturday				
Sunday				

My Meter Reading

Week beginning: _____

What is being measured? (Circle your answer) Solar energy generated Electricity use Gas use

Where is the meter? (Circle your answer) Home School Family business

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My Meter Reading

Week beginning: _____

What is being measured? (Circle your answer) Solar energy generated Electricity use Gas use

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Day	Time of reading	Meter reading (kWh)	Difference in kWhs since last reading	Checked (Adult signature)
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