



KS2 Resources

# Resources Rethink

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learn 1 new  
thing about nature

Go Tell the Bees Learning Hive  
National Theatre Wales



# Resources Rethink

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This activity encourages learners to reflect on the environment and how they can cut down their use of resources in order to help the environment. It focuses on 4 particular resources: fuel, electricity, plastic and water. Learners are encouraged to reflect on why we should save resources and possible research tasks are suggested.

Learners are then asked to think of ways that they can save these resources - examples are given in the PowerPoint. The task is for learners to make pledges to do certain things to reduce consumption. Scaffolding for these pledges is provided.

A maths and numeracy task asks learners to calculate savings in some given situations, then asks learners to use statistics to work out how much they have saved when carrying out their pledges.

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## Simple Act

- Learn One New Thing about Nature

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## Area of Learning and Experience

- Language, Literacy and Communication
- Maths and Numeracy
- Science and Technology

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## Resources Required

- PowerPoint
  - Laptop / Projector / Screen
  - Pledge Workshop
  - Numeracy Workshop
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# Resources Rethink

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**This activity is based around learners learning about how they can consume smaller quantities of resources to help save the planet.**

The PowerPoint will guide you through the activity with the 4 resources that learners are looking to save.

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**Extension activity:**

- On slide 5 of the PowerPoint, the question asked is why we should save the resources.
  - This could either be a class discussion for ideas, or learners could be split into 4 groups, one for each resource. These groups could be asked to research why we should save each resource and the possible effects of not saving them.
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Guidance sheets can be used to scaffold how the pledges can be written. MAT or older learners could write their pledges from scratch.

Similarly, numeracy sheets can be used to calculate how much water is saved following the pledges. The questions offered are simple for lower level learners, but MAT learners can focus on calculating their own savings from the facts given. If they have thought of their own pledges, they can conduct independent research to find how much water these changes have saved.

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**Key Facts:**

- If you leave the tap running for 1 minute whilst brushing your teeth, you waste 6L of water.
  - If you do not turn the tap off and leave it to drip, it will waste 3L of water every day.
  - If you spend 1 minute less in the shower, you save 7L of water.
  - If you collect rainwater in the garden, you can collect 35 barrels of water in a month.
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# Calculating Savings

1. If you leave the tap running for 1 minute whilst brushing your teeth, you waste 6L of water.

If you turn off the tap whilst brushing your teeth for 1 minute every day, how much water would you save in a week?



2. An average person in the UK uses 150L of water every day. How much water do they use in a week?

3. If you spend 1 minute less in the shower, you save 7L of water. How much water do you save if you spend a total of 10 minutes less in the shower over a month?



4. If a hosepipe is left to drip, it can waste 680L of water per month. How much water would it waste in a year?



5. A full bath uses 80L of water. If you have a bath twice a week for three weeks, how much water have you used?

6. If you do not turn the tap off and leave it to drip, it will waste 3L of water every day. If you turn the tap off properly for 5 days, how much water will you save in total?



7. An average person in the UK uses 150L of water every day. Of the water used, 1/3 of this water is wasted on average. How much water is wasted every day for one person?



8. If you collect rainwater in the garden, you can collect 35 barrels of water in a month. How much water can you collect in a year?

9. Using the numbers provided, can you work out how much water you have saved by carrying out your pledges?

