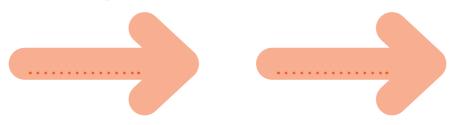




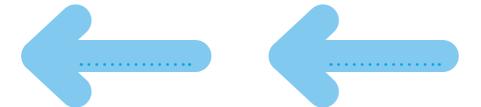
Use the sink
when you're
washing your face
and you could save
up to 5 litres of
water a day!

Water: A reversible change

Can you make your own reversible change sheet for water? Use the descriptions below and add them into the correct place on the diagram.





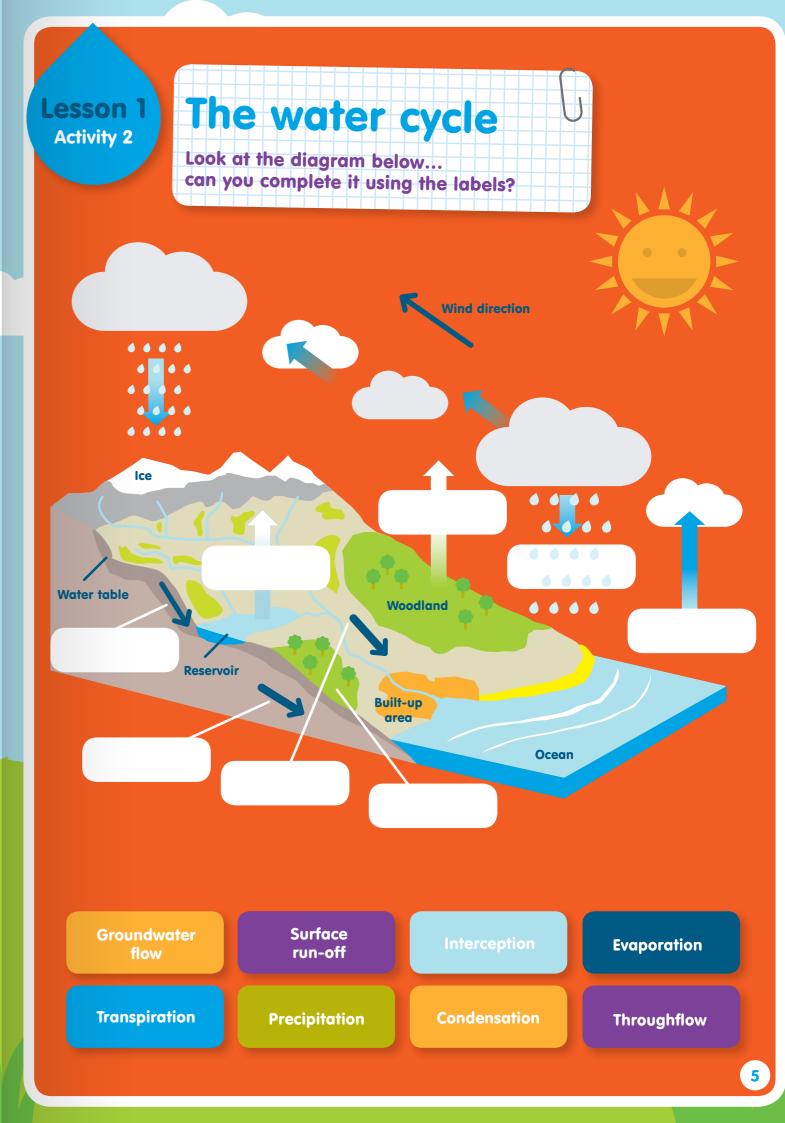












Lesson

Activity 1



Lesson 3
Activity 1

How much water do we use?

Cut out these cards. Which of these activities uses the most water? Which uses the least?
With a partner, can you order these, from least water used to most water used?

Turn the tap off
when you're
brushing your teeth
and it'll help save
up to 12 litres of
water a day!

Lesson 3
Activity 2

How much water do we use?

Use your research skills to help find out how much water the different jobs/activities on the picture cards use. Write these on the blank cards, cut them out and match them with the picture cards in order!

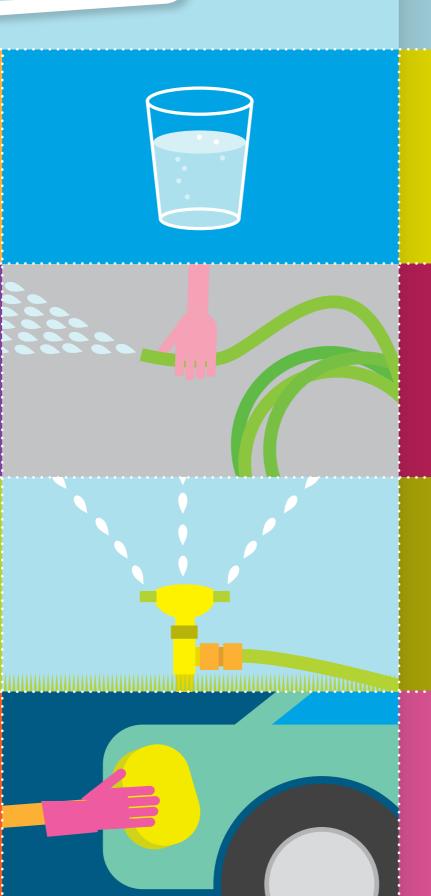
Did you know, filling
up the washing
machine (rather than
turning it on half full)
will help save your
house 8 litres of
water every day!



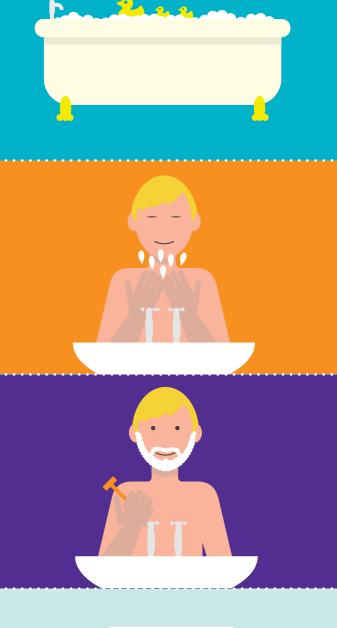














35 litres per bucket Washing Lesson 3 **Activity 3** Use this sheet to help you keep a diary of how much water you use at home. Brushing teeth 6 litres 80 litres 150 litres for power shower, 40 for normal Shower diary Dishwasher 14 litres My water Hand washing dishes 12 litres 50 litres per wash Washing machine Drinking water/hot and cold drinks 0.5 litre per drink 6 litres 6 litres per flush **Flushing** toilet Wednesday Thursday Saturday Monday Amount Tuesday Sunday Activity Friday

abc



Adding up your usage

Look at the information you collected for your water diary. Can you use your maths skills to help complete the tables below?

Totals per day		
Day	Total litres used	
Monday		
Tuesday		
Modpoedeu		
Thursday		
Friday		
Saturday		
Sunday		
Total for week		
Average weekly usage		

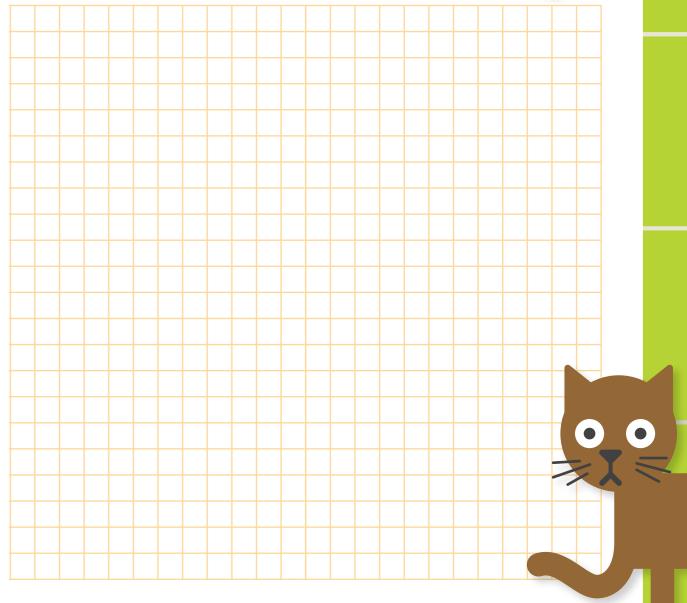
Totals per activity		
Activity	Total litres used over week	
Flushing toilet		
Washina		
Drinking		
Washina machine		
Hand washing dishes		
Dishwasher		
Shower		
Bath		
Brushing teeth		
Washing car		
Total water used		



Drawing a graph

Now you've completed your tables, can you make a graph to show this data? Use this sheet to draw a simple bar graph of your results.

Think about taking
a shower instead
of a bath - it could
save you 10 litres of
water every day!



Lesson 5 **Activity 1**



Fill the dishwasher up fully before you turn on- it'll save your household up to two litres of water!

Lesson 5 **Activity 2**

The cost of water

Remember...water costs change all of the time. For this exercise, use the following data:

1 litre of clean water pumped to your home = 0.2 pence Producing 1 litre of clean tap water creates 0.0003kg or 0.3g of carbon dioxide.

Think about your answers and write them in the boxes!

- 1 A bucket holds 9 litres of water. Nick uses 10 buckets to wash the car. How much does this cost?
- 2 Sam decides to water his garden. His hosepipe uses an average of 1000 litres an hour. He spends 15 minutes watering his garden. How much water does he use? How much money does this cost? What is the carbon cost?
- 3 Flushing the toilet uses about 6 litres of water. What is the cost in pence per flush? How much carbon dioxide is created to make this water? If a toilet is flushed 15 times a day, how much water does it use and what is the cost?
- 4 A washing machine uses 50 litres to do a full load of washing. What are the money and carbon costs for 1 load of washing? If a family does 8 loads of washing a week, what is the cost per week?
- 5 A family dishwasher uses 14 litres of water per cycle. The dishwasher is used twice a day. What is the cost for the week?
- 6 Fiona leaves the tap running while brushing her teeth. This uses 6 litres of water. If she brushes her teeth twice a day, how much water does she use in 1 week? What is the cost of this?
- 7 Dylan prefers to have baths rather than showers. He has 104 baths in a year. How many baths is this per week? If a typical bath uses 80 litres of water, how much does he use in one week? How much does he use in a year? How much money does this cost his family?
- 8 Tom has 4 showers per week using 60 litres per shower. Dan has 5 baths per week using 80 litres per bath. Who uses the most water? What is the difference in their water consumption? What is the difference in their water costs?
- 9 A water meter records that a house is using 612 litres of water per day. Four people live there. How much water do they each use? What is the cost?
- 10 The Smith household uses 720 litres of water per day. Mr Smith goes away for the day and the water meter records 620 litres. How much water does Mr. Smith use?

The cost of water

Remember, water costs change all of the time. For this exercise, use the following data:

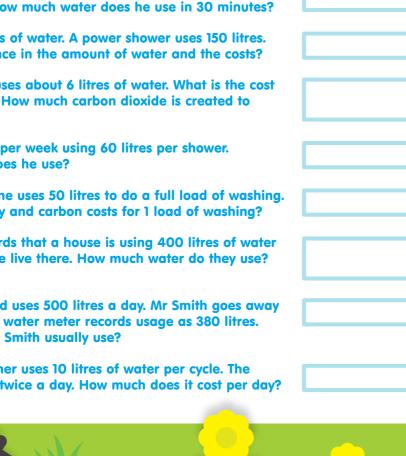
1 litre of clean water pumped to your home = 0.2 pence

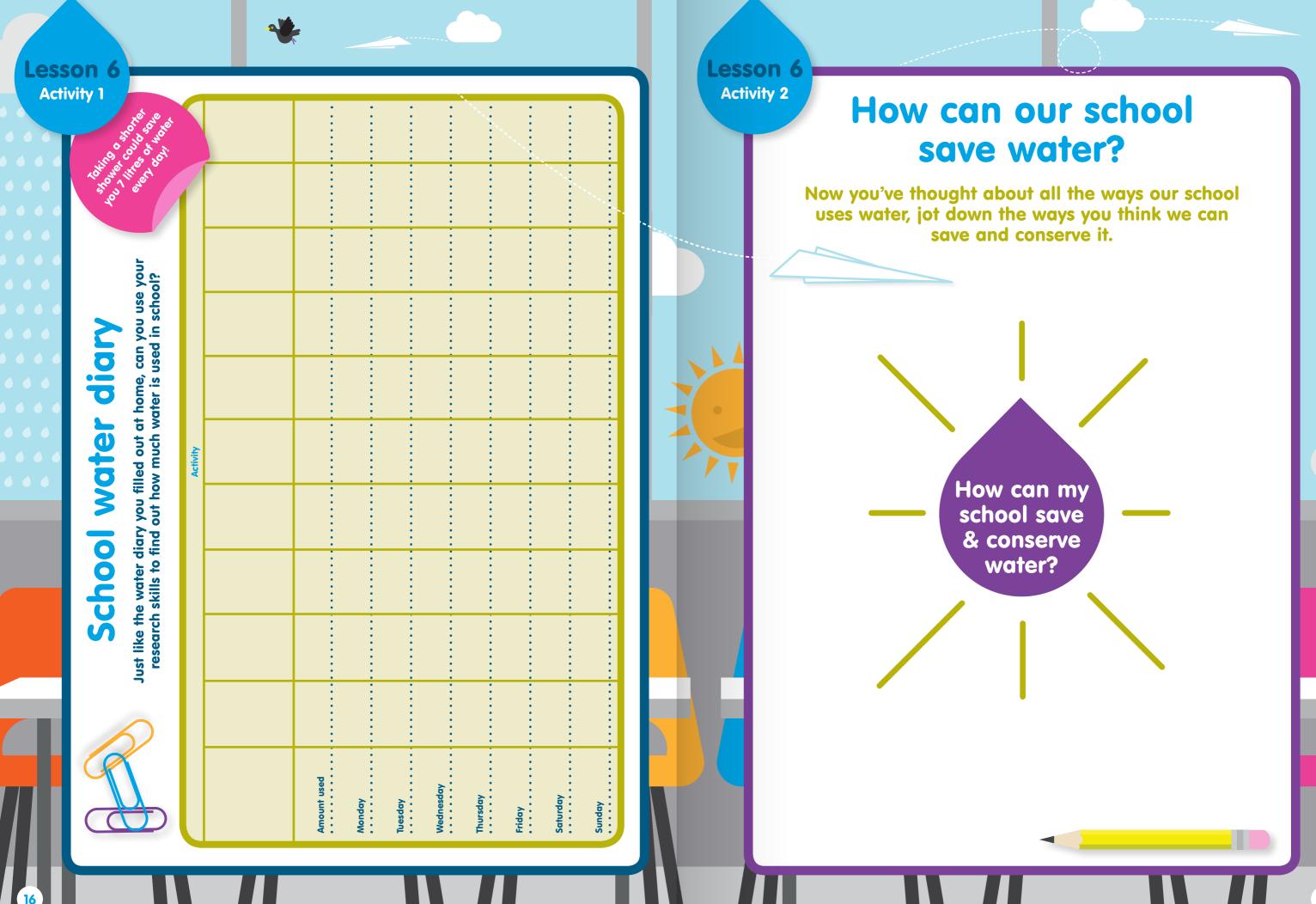
Producing 1 litre of clean tap water creates 0.0003kg or 0.3g of carbon dioxide.

Think about your answers and write them in the boxes!

- 1 A bucket holds 3 litres of water. Nick uses 10 buckets to wash the car. How much does this cost?
- 2 Fiona leaves the tap running while brushing her teeth. This uses 6 litres of water. If she brushes her teeth twice a day, how much water does she use? What is the cost of this?
- 3 Sam decides to water his garden. His hosepipe uses 1000 litres of water an hour. How much water does he use in 30 minutes?
- 4 A bath uses 80 litres of water. A power shower uses 150 litres. What is the difference in the amount of water and the costs?
- 5 Flushing the toilet uses about 6 litres of water. What is the cost in pence per flush? How much carbon dioxide is created to make this water?
- 6 Tom has 4 showers per week using 60 litres per shower. How much water does he use?
- 7 The washing machine uses 50 litres to do a full load of washing. What are the money and carbon costs for 1 load of washing?
- 8 A water meter records that a house is using 400 litres of water per day. Four people live there. How much water do they use? What is the cost?
- 9 The Smith household uses 500 litres a day. Mr Smith goes away for the day and the water meter records usage as 380 litres. How much does Mr. Smith usually use?
- 10 The family dishwasher uses 10 litres of water per cycle. The dishwasher is used twice a day. How much does it cost per day?









WATER



Remember your audience!

Planning your leaflet

Use this template to help you plan out your ideas for your leaflet.

Front cover

Large title, eye-catching picture, overview sentence about leaflet

Page 1

Why is it important to save water?

Back cover

List of useful tips and things to remember

Page 2

Arguments to help convince audience to save water











You are now going to write a letter to Yorkshire Water to tell them all about your topic. Use the question prompts to plan out the key parts of your letter. Did you know if you wash your food bowl it could save itres of water a days

Opening sentence

How do you want to open your letter?

Paragraph 1

Why is water conservation important?

Paragraph 2

What behaviours will you change?

Paragraph

How will you promote water conservation with others?

Paragraph 4

What did you find most interesting while doing this work?

Paragraph 5

What would you change about this unit of work?

Closing sentence

yorkshirewater.com Yorkshire Water Services Limited, Western House, Halifax Road, Bradford, BD6 2SZ