Welcome to H2O’s Wonderful World of Water
Primary School Teachers’ Pack

We have designed this work pack to help teachers, particularly of Key Stage 1 and Key Stage 2 pupils introduce the theme of water across the curriculum.

It contains a series of worksheets and games which have been structured to help teachers:

• introduce pupils to the Water Cycle using the Water Cycle Placement Game and worksheets

• consider the importance of water and its many uses

• build language skills with the Water Word Search worksheets

• encourage the conservation of water through the Best Water Choice game and worksheets

• enhance observation; recognition and association skills through the “matching” exercises

• raise awareness and provide advice about how to “Stay Street Wise Street Safe” with the Spot the Dangers worksheet and Water Wise Rules leaflet and poster

• explore and discuss key water topics in class and set locally based water exercises

• consider the effects of weather by tracking how H2O, our super hero reacts to cold and heat
Water plays a vital role in all our lives and is a precious resource. So it’s not surprising that its study offers exciting and fun opportunities for learning on a cross curriculum basis.

H2O’s Wonderful World of Water can have application in:

The World Around Us e.g. making observations; noting weather changes; testing and measuring results; using resources, discussing the use and misuse of water; the water cycle; experimenting and filtering water; field visits; planting seeds etc

Literacy e.g. developing writing; reading and language skills through the medium of water

Numeracy e.g. calculations; estimating and measuring volume and capacity; becoming familiar with number counting

It can also help develop motor and social skills through the entertaining, engaging and therapeutic use of water play.

We hope you find the pack stimulating and helpful.

We are keen to have your feedback on this resource as we want to develop and expand its content in the coming months—so please do use the enclosed evaluation sheet to share your views and ideas with us.
Evaluation Sheet for Teachers

Water Service welcomes feedback from teachers on the educational resource materials we provide. We should be grateful, therefore, if you would take a little time to complete the following questionnaire about this pack.

Please return to:
Water Service, Corporate Communications, Northland House, Frederick Street, Belfast BT1 2NR

Please tick the box and feel free to comment below each question.

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
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<tbody>
<tr>
<td>1. Was the pack clearly laid out and easy to use?</td>
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<td>2. Were the worksheets appropriate and helpful?</td>
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<td>3. Did the game cards enhance your classroom study of water?</td>
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<td>4. Were the worksheets at an appropriate level and easy to use for your pupils</td>
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<td>5. Did the worksheets increase pupil understanding about water?</td>
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<td>6. Did the worksheets increase pupil understanding of how to help save water?</td>
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<td>7. Did the Water Wise Rules help pupils understand the dangers of playing near work sites?</td>
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<td>8. Which section of the pack was most useful?</td>
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<td>9. Which activities did the children enjoy most?</td>
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<td>10. Do you have any other comments on the pack, or any suggestions as to how future packs could be improved?</td>
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Key Stage 1. Worksheets
H2O's Water Wise Worksheet

Who am I?

Join the dots to find out.

Be cool follow H2O's Water Wise Rules and Stay Street Wise Street Safe.
Water is important

Draw some of the ways you and your family use water.
Match the pairs

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H2O’s Water Wise Worksheet

Match

solid
grow
wash
drink
hero

safety
clothes

Be Cool follow H2O’s Water Wise Rules and Stay Street Wise Street Safe
# Find the Water Words

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</table>

bath  cool  drink  gas  ice  tap  wash  water
How Much Water?

Draw how many glasses of water you should drink every day.

_____________________________________________________

Draw how many buckets of water a cow drinks to make 1 bucket of milk.

_____________________________________________________

Draw the number of buckets of water it take to fill a bath.

_____________________________________________________

Draw the number of buckets of water it takes for a shower.

_____________________________________________________
Why is Water so Important?

1. 

2. 

3. 

4. 

Water Wise Rules:

1. Be cool!
4. Stay Street Safe.

Water Wise Worksheet

Why is Water so Important:

1. 
2. 
3. 
4. 
Tell me about the Water Cycle

1. 

2. 

3. 

4. 

5. 

6. 

Be Cool follow H2O’s Water Wise Rules and Stay Street Wise Street Safe
Draw the Water Cycle

Add: clouds, rain, sun, water treatment works, houses, school
Our Bodies

A large amount of our bodies are made up of water.

Please colour in each of these bodies to show how much you think is water.
Be Cool follow H2O’s Water Wise Rules and Stay Street Wise Street Safe
Water Cycle Game

Cut out the pictures below and place them where you think they should go in the Water Cycle.
Spot the Dangers!

H₂O has spotted five serious dangers in this street scene – can you see them too?
Key Stage 2. Worksheets
**Find the hidden message**

Find the words listed below:
- bath  cool  drink  grow  happy  ocean  rain
- river  snow  tap  water  be  drip

Find the hidden message:

```
c b e t c c b a k d r o l n a
w l a a t e o r f n h a p p y
b p o p k o i o i o i o t w o r g
l i k p e w x d a v b m g e r
m y u p h d v r w r t y u j c
a w a t e r e i h o c e a n o
n t h n k o p v m c a x z c o
x s l l j w t e t n b s s s h l
z c t e e i u r b c w p n m v
v a a d b c c c s f f n t o k k
r j p d r e f w b a t h w p z
a c t p o i h v a s d v m m i
i b n x t c n o u d a z t w w
n d r i p t k k j a d g r o w
```

```
b _ _____ ______ _____ r
```
H₂O has Super Powers!
He can change shape

He is normally a l_ _ _ _ _. You will find him in
r_ _ _ _, l_ _ _ _, t_ _ _ _ and the s_ _ _.

When he f_ _ _ _ _ he looks like this
Now he is s_ _ _ _ like s_ _ _ _ and i_ _

He can even become a g_ _
Then he is s_ _ _ _ or w_ _ _ _ v_ _ _ _ _.

Use these words to fill in the blanks
steam taps water lakes vapour sea liquid ice
solid rivers freezes

Be Cool follow H₂O’s
Water Wise Rules
and Stay Street Wise Street Safe
Help H2O unscramble the Water Wise Rules

Barriers don’t fences on and climb.
1. __________________________________________________________

Trenches away open stay manholes from and.
2. __________________________________________________________

Clear lorries like equipment Keep and of diggers.
3. __________________________________________________________

Building pipes Never materials touch or.
4. __________________________________________________________

Water Never Hydrant a touch
5. __________________________________________________________
Criss Cross Puzzle

Across
2. Cool to drink
4. When I’m boiled I change
8. You need water to stay this way
9. H2O is super

Down
1. Soft and cold to play in
3. How many glasses of water you should drink
5. I have waves
6. Fun to slide on
7. Fish live here
## The Water Cycle: How much do you know?

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
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</thead>
</table>
| 1. This is the name for rain or snow.                                    | A. Precipitation  
B. Condensation  
C. Evaporation               |
| 2. As the sun warms the earth, it turns water on earth into water vapour that rises into the air. This is called… | A. Evaporation  
B. Precipitation  
C. Condensation               |
| 3. As water vapour rises, it meets cooler air that changes it back to water droplets or ice which form clouds. This is called… | A. Evaporation  
B. Precipitation  
C. Condensation               |
| 4. The water that you had in your bath or shower you had last week…      | A. Has gone underground  
B. Has evaporated  
C. Is still in the water cycle               |
| 5. The process that keeps water moving around the earth is called…       | A. The water cycle  
B. Precipitation  
C. Evaporation  
D. Condensation               |
| 6. After rain falls on earth, it may…                                    | A. Evaporate  
B. Travel downhill until it reaches the sea  
C. Stay underground for years               |
| 7. If we use too much water, we could use up all of the water on earth.   | A. True  
B. False               |
| 8. Saving water is not important                                         | A. True  
B. False               |
How does water get to our homes? Then where does it go?
Super Hero H2O goes on a trip into the future. What do you think he finds? What can we do to help change the future?

<table>
<thead>
<tr>
<th>Characters - Who?</th>
<th>Setting - Where?</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Events - What happens/</th>
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<table>
<thead>
<tr>
<th>Problem - What is wrong?</th>
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<table>
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<tr>
<th>What can we do to help?</th>
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<tr>
<th>How does the story end?</th>
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</table>
My topic talk is about

I want people to know

I know

I also want to say

The most interesting thing I want to tell you is

Finally
# Finding Out About Water

<table>
<thead>
<tr>
<th>I am investigating</th>
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<table>
<thead>
<tr>
<th>This is what I will do</th>
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<table>
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<tr>
<th>To make the test fair I must</th>
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<tr>
<th>I think I will discover</th>
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# Finding Out About Water

My results were

This means that

Before I did the investigation I thought the results would show

So I was
Find the words listed below
bath gas ice safe wisely water drink use tap
wash sea snow

Find the hidden message
u _ _ _ _ _ _ y
1) brushing teeth with the tap on 9 litres
2) 5 minute shower 6 litres
3) taking a bath 135 litres
4) using the washing machine 35 litres
5) flushing the toilet 80 litres
6) using the hose for 15 minutes 60 litres

Match the pictures with the amount of water each activity uses
Water saving tips

Can you fill in the blanks to make top water saving tips?
Use the words at the bottom of the page to help

1. Only wash clothes when the washing machine is ______

2. Take a ______ not a ______

3. Put a ______ in your toilet to save water

4. When washing the car use a ______ and ______
not a hose

5. Always fix ______ taps

6. Don’t let the ___ run when brushing your teeth

7. Collect rain water in a ______ to use when watering the plants

bath  bucket

bath  bucket

dripping  tap

hippo bag  sponge

water butt  full
Unscramble the letters to find the names of 6 things that use water

1) PAT  

2) SAHWIGN AHCINEM

3) ERWHOS

4) TABH

5) WTAREIGN NAC

6) SOHE
Watertown Primary School in Rainy City is trying to save water. Use the water facts to help solve the problems below.

Water Facts

- Watertown PS has 120 pupils and 6 teachers
- It takes 9 litres of water to flush a toilet
- A Hippo Bag reduces the amount of water flushed to 6 litres
- Miss Spence has 26 pupils in her p6 class
- A bath uses 80 litres of water
- A 5 minute shower uses 35 litres of water
- Each person in Rainy City uses 150 litres of water each day

1) If every pupil flushed the toilet 2 times a day. How many litres of water would be used in:
   a) 1 day ____________
   b) 5 days ____________

2) Mr Drip the school caretaker has decided to put Hippo Bags in all the school toilets. If every pupil flushed the toilet 2 times a day after the Hippo Bags were fitted. How many litres of water would be used in:
   a) 1 day ____________
   b) 5 days ____________

3) How many litres of water would the Hippo Bags save in:
   a) 1 day _________
   b) 5 days _________
4) The dripping tap in Miss Splash's room wastes \( \frac{1}{2} \) litre of water every hour. How much water does it waste in a day? 
__________________

5) If each pupil in Miss Splash's class had a bath every night for a week how much water would they use? 
__________________ litres.

6) After learning how to be waterwise from NI Water, the class have decided to take the 5 minute shower challenge. If each pupil in the class had a 5 minute shower, instead of a bath, every night for a week how much water would they save? 
_______________ litres.
Can you find the items in the crossword. Once you have found all the items sort them into 2 groups:

1) what we should flush
2) what we should put in the bin

### Words

<table>
<thead>
<tr>
<th>Flush</th>
<th>Bag and Bin</th>
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<tbody>
<tr>
<td>TOILET ROLL</td>
<td>PEE</td>
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<tr>
<td>SWEET PAPER</td>
<td>PLASTERS</td>
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<tr>
<td>BABY WIPE</td>
<td>NAPPY</td>
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<tr>
<td>POO</td>
<td>TISSUE</td>
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<tr>
<td>COTTON BUD</td>
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### Crossword Grid

```
B A B Y W I P E S T G H Y N B
J K E S F V U L L P M D J Z L
C D N E S D U B N O T T O C V
B G A E W M B R G T J Q R V P
F M P W E Q R Q F D R T U N L
R J P R E O Y H E F L T D P A
W G Y N T I S S U E L G F Q S
A F U I P G O L G U O M Z B T
R S T P A C O S T N R S U E
O F G H P E P A N P T Y U R R
L C B T E B K C D B E E T W S
D O O J R A G E W T L F I Y L
C P E E W B W B N Q I A G T H
J A N C E Y Z E G S O N P P Y
P N A P I U O O U P T C H W R
```
1. Most of the water on earth is fresh water? _________________

2. Having a 5 minute shower uses more water than a bath? __________

3. You should fix dripping taps? ____________

4. Always turn off the tap when brushing your teeth? ______________

5. Using a hose to water the plants in the garden saves water? ______

6. Always fully load the washing machine? ________________

7. A water butt can help save water in the garden? ________________

8. Keep the tap running when washing the dishes? ________________