

Let's Investigate Water

Steps for Learning 8

Geography KS2 Year 3



Captivating
Classrooms®



from iChild®

Produced in collaboration with
the Geographical Association



Let's Investigate Water: Steps for Learning 8

Geography

Key Stage 2

Year 3

Key Questions

- do human settlements need flowing water, if so why and what might happen if they don't have any?
- how is water in the sea and oceans different to that in streams and rivers?
- why might settlements grow up on rivers or beside water?

Learning Outcomes

- to have a better understanding of the distribution and interconnection of rivers and streams
- to understand that most human settlements are located close to a water source.

Curriculum Links

Purpose and Aims

- interpret a range of sources of geographical information, including maps, diagrams, globes and aerial photographs

Locational Knowledge

- name and locate counties and cities of the United Kingdom

Place Knowledge

- understand geographical similarities and differences

Human and Physical Geography

- describe and understand key aspects of human geography, including: types of settlement

Geographical Skills and Fieldwork

- create maps with symbols and key

Big Ideas

- interconnections
- place
- space



Formative Assessment Opportunities

- knowledge of continents and countries
- map and atlas skills
- use of symbols and key

Keywords

Map. Physical Geography.

These are also on the previous Step for Learning.

River. Source. Mouth. Scale. Symbol. Key.

These can be found at the end of this PDF in printable format for your working wall.

Resources

- maps and atlases

Activities

1. Revisit the question: 'Do human settlements need flowing water? If so, why and what might happen if they don't have any?'
2. Ask the pupils to study maps of the UK. Challenge them to find a town or city that has no water near it - this could be in the form of streams, rivers, lakes, reservoirs or the sea. Discuss how water is symbolised on maps, it is usually blue. You could discuss other symbols that are used to mark the presence of towns and cities including infrastructure such as road and rail, buildings including houses, retail and places of interest or more natural areas such as woodland or moors. It's very unlikely that the children will find a town or city that is not near water: as a class, use prior knowledge to discuss why this might be.



3. Recap the names of the seven continents and five oceans. Recap some capital cities across the globe. Then ask the children to carry out further research on capital cities across the globe; each table could take a different continent (excluding Antarctica). Some continents have more countries than others, so the children could use atlases to look at six capitals each and keep a tally of those with no connection to water. They can then fill out the worksheet on page 6 of this PDF.
4. Show the children the images on Slides 8 to 13 of the accompanying PowerPoint and discuss what they are. Recap, '**Why do we need water?**', '**What is it used for?**'. Then ask, '**Why might settlements grow up on rivers or beside water?**'
5. Settlements across England have relied on water for centuries. Show the children the photographs on slides 15 to 18, featuring four towns and cities in England (Stratford-upon-Avon, Bath, London and Birmingham), whose development depended on water.
Then ask the children, '**What about within our local area?**'
Discuss what can be found in your local village/town/city and investigate further through searching information about your settlement.
The children can ask local people and use maps (including satellite images) to locate what can be found next to the streams and rivers.
Pupils complete the statement '**Rivers are important to (town/city name) because...**'. These can be added to the enquiry wall.
6. Ask the children to draw a map of an imaginary settlement. What else would it include and how will they show these features on their maps? Model that a good map will include symbols: a key, an approximate scale and compass rose.
7. Ask pupils: 'Do rivers flow into, or flow from, the sea? How do we know?' Add responses to the enquiry wall.



PowerPoint Presentation

The PowerPoint presentation supports the activities and helps stimulate classroom discussion. The slides are as follows:

- Slides 1 and 2 introduce the lesson.

Activity 1

- Slide 3 displays the question: 'do human settlements need flowing water?'

Activity 2

- Slide 4 displays a map of the UK to introduce the class challenge.

Activity 3

- Slide 5 displays the seven continents.
- Slide 6 displays the five oceans.
- Slide 7 displays the example worksheet.

Activity 4

Slides 8 to 14 support Activity 4, the questions, 'why do we need water?', 'what is it used for?' And displays the following images:

- Slide 8 Elan Valley Aqueduct which carries drinking water from the Elan Valley in Wales for 73 miles to Birmingham.
- Slide 9 Hatton Canal and lock. One of 21 locks on Hatton Canal, which was built in 1800 and widened in 1934 as competition against the roads and railways of the day.
- Slide 10 Irrigation: an example of how the world uses water to grow crops.
- Slide 11 Watermill. This one was built in the early 1800s and is in Borrowdale in the Lake District.
- Slide 12 Cruise ship on the river Thames.
- Slide 13 Reservoirs: This one is near West London, close to Heathrow Airport.
- Slide 14 recaps the questions.



Activity 5

Slides 15 to 19 support Activity 5. They feature examples of English settlements that have grown up on water:

- Slide 15 Stratford-upon-Avon
- Slide 16 Bath
- Slide 17 London
- Slide 18 Birmingham

These slides lead into the classroom discussion and research project on your own local area.

- Slide 19 sets up the local research project.

Activity 6

- Slide 20 displays an example map and key.

Activity 7

- Slide 21 supports the classroom discussion, 'do rivers flow to or from the sea?'.
• Slide 22 is the closing slide.



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Capital Cities across the Globe

Name of the City	Capital of	Connection to water?



Let's Investigate Water KS2: Keywords Flashcards



Map

**Physical
Geography**

River

Source

Mouth

Scale

Symbol

Key



River



Source



Mouth



Scale



Symbol



Key

