

Affinity Water's Education Services

About us

Our award-winning Education Team is on hand to support teachers inside and outside the classroom, by providing a practical learning experience designed to really enrich your school curriculum.



Visits to our Education Centre

The Education Centre in Bushey Heath, is set within a 30 acre site of mature woodland, meadow and ponds adjacent to our water treatment works. Activities include pond dipping, mini-beast hunting, tours of the water treatment works, a 12 metre interactive river model, and other STEM based interactive activities:



- **KS1:** Wonderful Water, Living Things and Their Habitats.
- **KS2:** Rolling Rivers, Wonderful Water, STEM Water Challenge, Living Things and Their Habitats, Water Rocks and Soils.
- **KS3-5:** STEM in the water industry, Environmental Science.



Visits to your school

A member of the Education Team can visit your school to work with KS1 – KS5 groups on a variety of activities, either for a half day or full day visit:



- **KS1:** Wonderful Water, Pollution Solutions.
- **KS2:** Water Audit, STEM Water Challenge, Pollution Solutions, Water Rocks and Soils.
- **KS3-5:** STEM in the water industry, Environmental Science



PRIMARY SCHOOLS - INREACH PROGRAMMES (KS1 & KS2)

KEY STAGE 1 – VISITS TO THE EDUCATION CENTRE:

Wonderful Water Day (KS1)

Students gain an understanding of how the water cycle works, how water supports life, where their tap water comes from, and an appreciation of why and how water should be conserved.

The day consists of three sessions:

1. Pond Detectives

Curriculum links: *Science*

Students engage in a pond dipping activity where they will aim to identify the species they have caught and learn how water supports life.

2. Water Cycle Drama and Be Water Wise

Curriculum links: *Geography, Science, Citizenship*

Students understand how the water cycle works through role play. They also take part in an interactive activity to understand which common household tasks use the most water as well as how they can reduce their personal water usage at home and at school.

3. Water Experiments (*cleaning dirty water, what goes down the toilet*)

Curriculum links: *Science*

Students 'work scientifically' to find out how water is cleaned and made safe to drink, and establish which items commonly cause blockages in waste water drains.

Living Things and their Habitats Day (KS1)

Students will find and identify, using simple keys, both pond creatures and minibeasts and have some understanding of how they have adapted to their habitat. They will gain an understanding of basic food chains and an appreciation of how all living things in our local ecosystem are connected.

The day consists of three sessions:

1. Pond Detectives

Curriculum links: *Science*

Students engage in a pond dipping activity where they will aim to identify the species they have caught and use this information to determine the pollution levels of the pond.

2. Nature Safari

Curriculum links: *Science*

Students will search for minibeasts and 'natural treasure' in a woodland/grassland habitat, then identify what they have found using simple keys.

3. Identity Detectives and Food Chain Challenge

Curriculum links: *Science*

Students will learn how to be scientists by using identification keys, as well as learning about basic food chains.

KEY STAGE 2 – VISITS TO THE EDUCATION CENTRE:

Wonderful Water Day (KS2)

Students gain an understanding of where their tap water comes from, common pollutants found in water and how they are removed, and an appreciation of why and how water should be conserved.

The day consists of three sessions:

1. Water Treatment Works Tour

Curriculum links: *STEM*

Students visit the Clay Lane water treatment works to understand where their (tap) water comes from and how it gets cleaned. They get an appreciation of the scientific processes involved in getting water from 'source to tap' at an operational treatment site.

2. Be Water Wise

Curriculum links: *Geography, Science, Citizenship*

Students gain knowledge of the amount of water that common activities use. They will also learn practical ways they can reduce their personal water usage at home and at school.

Plus a choice of one of the following activities:

A. Water in the Developing World

Curriculum links: *Geography, Citizenship*

Students take part in an experiential 'search for water' to identify the similarities and differences between the UK and developing countries, when accessing safe clean drinking water. They consider how water is used globally, some of the issues faced by people in developing countries and think about ways that they can help make a difference.

B. Water Experiments (*cleaning dirty water, what goes down the toilet, pollution pathways*)

Curriculum links: *Science*

Students 'work scientifically' to find out how water is cleaned and made safe to drink, the source of common pollutants in water sources and their own personal impact on this, and establish which items commonly cause blockages in waste water drains.

Rolling Rivers Day (KS2)

Students gain an understanding of where water comes from, how it gets from source to tap, how rivers work and the impact humans can have on their environment, as well as an appreciation of why and how water should be conserved.

The day consists of three sessions:

1. Water Treatment Works Tour

Curriculum links: *STEM*

Students visit the Clay Lane water treatment works to understand where their (tap) water comes from and how it gets cleaned. They get an appreciation of the scientific processes involved in getting water from 'source to tap' at an operational treatment site.

2. Be Water Wise

Curriculum links: *Geography, Science, Citizenship*

Students gain knowledge of the amount of water that common activities use. They will also learn practical ways they can reduce their personal water usage at home and at school.

3. Rivers and their Catchments

Curriculum links: *Geography, Science, Citizenship*

Using an interactive 12 metre river model, students gain knowledge of how a river functions within the water cycle as well as within the river catchment system. They will also learn how and why rivers need to be managed, human impacts on rivers (both positive and negative) and how they can become more responsible in caring for their own river catchment.

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STEM Water Challenge Day (KS2)

Students gain an understanding of the STEM behind the water industry, where their tap water comes from, and develop an appreciation of why and how water should be conserved.

The day consists of three sessions:

1. Water Treatment Works Tour

Curriculum links: STEM

Students visit the Clay Lane water treatment works to understand where their (tap) water comes from and how it gets cleaned. They get an appreciation of the scientific processes involved in getting water from 'source to tap' at an operational treatment site.

2. Be Water Wise

Curriculum links: Geography, Science, Citizenship

Students gain knowledge of the amount of water that common activities use. They will also learn practical ways they can reduce their personal water usage at home and at school.

Plus a choice of one of the following activities:

A. Water Flow Investigation

Curriculum links: STEM

Students experiment with a range of equipment to investigate the basic laws of physics that govern the flow of water through a pipe. They will need to apply their own STEM skills to work through the investigation.

B. The Water Supply Stress Test

Curriculum links: STEM, Geography, Citizenship

This activity allows students to consider the complexity of water related issues within a local and global context. They will take part in an interactive game to help them understand the impact that humans can have on their own water sources, and identify ways that everyone can play a part to help protect this precious natural resource.

C. Water Supply Challenge

Curriculum links: STEM

This game challenges teams to design, build and test a water supply network, simulating a real life engineering project.

Living things and their Habitats Day (KS2)

Students will find and identify both pond and woodland minibeasts and have some understanding of how they have adapted to their habitat. They will learn how all species are interdependent and an appreciation of how they must look after their local catchment area to preserve the ecosystem.

The day consists of three sessions:

1. Pond Detectives

Curriculum links: Science

Students engage in a pond dipping activity where they will aim to identify the species they have caught and use this information to determine the pollution levels of the pond.

2. Nature Safari

Curriculum links: Science

Students will find and identify minibeasts found in their natural habitat. They will also look at the trees in these habitats and have an understanding of how minibeasts and trees have adapted.

3. Food Webs and Pollution Patrol

Curriculum links: Science, Geography, Citizenship

Students learn about food chains and webs, understanding the importance of the sun and green plants. They will engage in an interactive 'food web challenge', which showcases how every living organism is connected. The pollution game will demonstrate how everyone is responsible for protecting their local catchment.

Water, Rocks and Soils Day (KS2)

Students gain an understanding of where water comes from, how it gets from source to tap, and an appreciation of why and how water should be conserved. They also learn why rocks and soils are important within the water industry.

The day consists of three sessions:

1. Water Treatment Works Tour

Curriculum links: **STEM**

Students visit the Clay Lane water treatment works to understand where their (tap) water comes from and how it gets cleaned. They get an appreciation of the scientific processes involved in getting water from 'source to tap' at an operational treatment site.

2. Be Water Wise

Curriculum links: **Geography, Science, Citizenship**

Students gain knowledge of the amount of water that common activities use. They will also learn practical ways they can reduce their personal water usage at home and at school.

3. Water, Rocks and Soils

Curriculum links: **Geography, Science**

Students develop an understanding as to why rocks and soils are important within the water industry. They will learn about the different layers of the Earth and consider the properties of soil through interactive activities. They will also investigate and categorise rocks through a variety of different practical tests.

SECONDARY SCHOOLS - INREACH PROGRAMMES (KS3-5)

KEY STAGES 3-5 – VISITS TO THE EDUCATION CENTRE:

STEM in the Water Industry Day (KS3 – KS5)

Students gain an understanding of the STEM behind the water industry, scientific processes involved in getting clean and safe drinking water to their taps, where water comes from, common pollutants found in water and how they are removed, and an appreciation of why and how water should be conserved.

The day consists of three sessions:

1. Water Treatment Works Tour

Curriculum links: *STEM*

Students visit the Clay Lane water treatment works to understand where their (tap) water comes from and how it gets cleaned. They get an appreciation of the scientific processes involved in getting water from 'source to tap' at an operational treatment site.

2. Be Water Wise

Curriculum links: *Geography, Science, Citizenship*

Students gain knowledge of the amount of water that common activities use. They will also learn practical ways they can reduce their personal water usage at home and at school.

Plus a choice of one of the following activities:

A. Water Supply Challenge

Curriculum links: *STEM*

This game challenges teams to design, build and test a water supply network, simulating a real life engineering project.

B. Water Flow Investigation

Curriculum links: *STEM*

Students experiment with a range of equipment to investigate the basic laws of physics that govern the flow of water through a pipe. They will need to apply their own STEM skills to work through the investigation.

C. Water Experiments (cleaning dirty water, what goes down the toilet, pollution)

Curriculum links: *Science*

Students 'work scientifically' to find out how water is cleaned and made safe to drink, the source of common pollutants in water sources and their own personal impact on this, and establish which items commonly cause blockages in waste water drains.

Environmental Science Day (KS3 – KS5)

Students will gain an understanding of how water resources are managed within the water industry. Depending on the choice of sessions, they will focus on either river catchment management, water quality, water supply management or water treatment processes and conservation.

The day consists of two sessions. You may choose any two of the following activities:

A. Rivers and their Catchments

Curriculum links: [Geography](#), [Science](#), [Citizenship](#)

Using an interactive 12 metre river model, students gain knowledge of how a river functions within the water cycle as well as within the river catchment system. They will also learn how and why rivers need to be managed, human impacts on rivers (both positive and negative) and how people, industries and organisations can become more responsible in caring for their own river catchment.

B. Fresh Water Ecology

Curriculum links: [Science](#), [Geography](#)

Students engage in a pond dipping activity where they will aim to identify the species they have caught and use this information to determine the pollution levels of the pond. They will also gain an insight into the scientific processes involved in managing a river catchment and monitoring water quality.

C. The Water Supply Stress Test

Curriculum links: [STEM](#), [Geography](#), [Citizenship](#)

This activity allows students to consider the complexity of water related issues within a local and global context. They will take part in an interactive game to help them understand the impact that humans can have on their own water sources, the implications of demand and unpredictable rainfall patterns on a limited water supply and identify ways that everyone can play a part to help protect this precious natural resource.

D. Water Treatment Works Tour & Be Water Wise

Curriculum links: [STEM](#), [Geography](#), [Citizenship](#)

Students visit the Clay Lane water treatment works to understand where their (tap) water comes from and how it gets cleaned. They get an appreciation of the scientific processes involved in getting water from 'source to tap' at an operational treatment site. They will also gain knowledge of the amount of water that common activities use and learn practical ways they can reduce their personal water usage at home and at school.

PRIMARY SCHOOLS - OUTREACH PROGRAMMES (KS1 & KS2)

KEY STAGE 1 – VISITS TO YOUR SCHOOL:

Wonderful Water Day (KS1)

Students gain an understanding of how the water cycle works, how water supports life, where their tap water comes from, and an appreciation of why and how water should be conserved.

This half day programme consists of three sessions:

1. Water Cycle Drama

Curriculum links: *Geography, Science*

Students understand how the water cycle works through role play.

2. Be Water Wise

Curriculum links: *Geography, Science, Citizenship*

Students take part in an interactive activity to gain knowledge of the amount of water that common activities use. They will also learn practical ways they can reduce their personal water usage at home and at school.

3. Water Experiments (*cleaning dirty water, what goes down the toilet*)

Curriculum links: *Science*

Students use 'scientific skills' to find out how water is cleaned and made safe to drink, and establish which items commonly cause blockages in waste water drains.

Please note:

- Activities are designed for groups no larger than 35 students We can offer this half day programme to a maximum of 65 students with one Affinity Water representative. All activities can be accommodated in a large classroom but work better in a larger space such as a hall or learning support centre. Close access to a tap and sink is preferable, where possible
- An assembly can also be included within the day, either for the whole school or for the students involved in the activities

Pollution Solutions Day (KS1)

Students will understand what is meant by the term pollution and understand how it can affect our waterways. They will explore the impacts of water pollution and find a range of practical solutions to common pollution problems.

The day consists of an assembly followed by three sessions:

KS1 Assembly: Finlay Fish Follows the Flow

Curriculum links: *Geography PSHE Science*

Students listen to the story of Finlay the Fish as he follows the flow of a river out into the sea. They discover how pollution enters our water systems and how it may ultimately end up in the sea.

1. Pollution Experiments

Curriculum Links: *Science*

Students use a range of Scientific investigation techniques to discover how pollution can enter our water systems, the impacts of pollution and the challenges faced when trying to remove the pollutants. They will explore these issues through a series of experiments including: Pollution Removal Activity, Oil and Water Investigation, and Oil on Feathers Investigation.

2. Pollution Walk

Curriculum Links: *Geography PSHE*

Students explore their local school site and surrounding local area if appropriate. They look at, and discuss, the types of pollution they see and the possible impacts that it could have on the environment. They interview their school caretaker or site manager to ask what kind of challenges are faced in their daily work life due to pollution and its removal.

3. Ted's Pollution Solutions

Curriculum Links: *Geography Science PSHE*

Students engage with a story about Ted's invitation to a picnic. They look at the choices Ted makes during the process of getting ready, travelling to the picnic and preparing lunch. Students then play a game to help Ted make responsible environmental choices. They write their own Pollution Promise.

Please Note:

- Each activity is designed for groups no larger than 35 students. Depending on the number of students, a carousel system of activities may be required, with some sessions led by school staff
- All activities can be accommodated in a large classroom but work better in a larger space such as a hall or learning support centre. Close access to a tap and sink is preferable, where possible.

KEY STAGE 2 – VISITS TO YOUR SCHOOL:

Water Audit Day (KS2)

Students survey their school and collect data to establish how water is being used and possibly wasted. They will be able to identify key areas for improvement in water usage behaviours, which could be incorporated into a school-led campaign/ initiative following the water audit day.

This half day or full day consists of two or three sessions:

1. Water Audit

Curriculum links: *Science, Mathematics*

Students survey their school and collect data to identify how and where water is being used and how it is potentially being wasted. Students consider ways that the school can be more water efficient to save water, energy and money.

2. Water Eco Action Playground (*water use / conservation*)

Curriculum links: *Geography, Citizenship*

Students take part in a series of interactive, familiar, old school games as part of a 'pop up playground', enabling them to gain knowledge of how water is used and wasted. They will also learn practical ways they can reduce their personal water usage at home and at school.

Please note that a **large space is essential due to the size of the games** (there are two games each measuring 3m squared, as well as some smaller games). An alternative water conservation activity can be provided if your school does not have a suitable space available.

Plus a choice of one of the following activities:

A. Water Experiments (*cleaning dirty water, what goes down the toilet, pollution*)

Curriculum links: *Science*

Students 'work scientifically' to find out how water is cleaned and made safe to drink, the source of common pollutants in water sources and their own personal impact on this, and establish which items commonly cause blockages in waste water drains.

B. Water Supply Challenge

Curriculum links: *STEM*

This game challenges teams to design, build and test a water supply network, simulating a real life engineering project.

Please note:

- A half day consists of two sessions (water audit and water eco action playground)

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Web: www.affinitywater.co.uk/education

- A full day consists of three sessions (water audit and water eco action playground plus one additional activity)
- We can offer the half day programme to a maximum of 65 students and the full day programme to a maximum of 95 students with one Affinity Water representative
- Each activity is designed for groups no larger than 35 students. Depending on the number of students, a carousel system of activities may be required, with some sessions led by school staff
- All activities can be accommodated in a large classroom but work better in a larger space such as a hall or learning support centre. Close access to a tap and sink is preferable, where possible
- An assembly can also be included within the day, either for the whole school or for the students involved in the activities.

STEM Water Challenge Day (KS2)

Students gain an understanding of the Science, Technology, Engineering and Maths involved in the building, maintenance and daily operations of the water industry. They will learn about the scientific processes involved in getting clean and safe drinking water to their taps, where water comes from and an appreciation of why and how water should be conserved.

This half day or full day programme consists of two sessions:

1. Water Eco Action Playground (water use / conservation)

Curriculum links: *Geography, Citizenship*

Students take part in a series of interactive, familiar, old school games as part of a 'pop up playground', enabling them to gain knowledge of how water is used and wasted. They will also learn practical ways they can reduce their personal water usage at home and at school.

Please note that a **large space is essential due to the size of the games** (there are two games each measuring 3m squared, as well as some smaller games). An alternative water conservation activity can be provided if your school does not have a suitable space available.

Plus a choice of one of the following activities:

A. Water Flow Investigation (Years 3-6)

Curriculum links: *STEM*

Students experiment with a range of equipment to investigate the basic laws of physics that govern the flow of water through a pipe. They will need to apply their own STEM skills to work through the investigation.

B. The Water Supply Stress Test (Years 3-6)

Curriculum links: *STEM, Geography, Citizenship*

This activity allows students to consider the complexity of water related issues within a local and global context. They will take part in an interactive game to help them understand the impact that humans can have on their own water sources, and identify ways that everyone can play a part to help protect this precious natural resource.

C. Water Supply Challenge (Years 5-6)

Curriculum links: *STEM*

This game challenges teams to design, build and test a water supply network, simulating a real life engineering project.

Please note:

- The day can be run as a half day (for groups of 65 and under) or a full day (for groups of 95 and under) with one Affinity Water representative
- Each activity is designed for groups no larger than 35 students. Depending on the number of students, a carousel system of activities may be required, with some input from school staff
- The same session can be repeated with different groups throughout the day or different sessions can run for the same group

- All activities can be accommodated in a large classroom but work better in a larger space such as a hall or learning support centre. Close access to a tap and sink is preferable, where possible
- An assembly can also be included within the day, either for the whole school or for the students involved in the activities.

Pollution Solutions Day (KS2)

Students will investigate and explore a variety of common pollutants and ways in which they can affect our water sources. They will begin to understand the importance of water conservation and recognise that simple solutions exist for many pollution problems. This will help them make more informed choices as consumers.

The day consists of an assembly followed by three sessions and a celebration assembly at the end of the day:

KS2 Assembly: Our Catchment

Curriculum links: [Geography](#) [PSHE](#) [Science](#)

Students learn about the term 'river catchment' through an interactive story. They explore different types of pollution and how these can infiltrate our rivers and water sources.

1. Pollution Experiments

Curriculum Links: [Science](#)

Students use a range of Scientific investigation techniques to discover how pollution can enter our water systems, the impacts of pollution and the challenges faced when trying to remove the pollutants. They will explore these issues through a series of experiments including: Pollution Removal Activity, Oil and Water Investigation, and Oil on Feathers Investigation.

2. Pollution Walk

Curriculum Links: [Geography](#) [PSHE](#)

Students explore their local school site and surrounding local area if appropriate. They look at, and discuss, the types of pollution they see and the possible impacts that it could have on the environment. They interview their school caretaker or site manager to ask what kind of challenges are faced in their daily work life due to pollution and its removal.

3. Pollution Solutions

Curriculum Links: [Geography](#) [Science](#) [PSHE](#)

Students investigate and discuss different types of pollution, how pollution can enter our water systems and ways in which we can all help. Students take part in the Pollution Solutions Game - they discuss environmentally friendly alternatives to pollution problems and write a Pollution Solution pledge.

Please Note:

- Each activity is designed for groups no larger than 35 students. Depending on the number of students, a carousel system of activities may be required, with some sessions led by school staff
- All activities can be accommodated in a large classroom but work better in a larger space such as a hall or learning support centre. Close access to a tap and sink is preferable, where possible.

Water, Rocks and Soils Day (KS2)

Students develop an understanding about the importance of rocks and soils within the water industry. They will learn about the different layers of the Earth and consider the properties of soil through interactive activities. They will also investigate and categorise rocks through a variety of different practical tests.

This half day programme consists of three sessions:

1. Earth, rocks, soils, and water

Curriculum links: [Geography](#), [Science](#)

Students learn about the layers of the Earth and their characteristics. The importance of rocks and

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Email: education@affinitywater.co.uk

Web: www.affinitywater.co.uk/education

soils to our freshwater supplies is introduced - and reinforced at different stages throughout the sessions.

2. Soil investigation

Curriculum links: *Geography, Science*

Students collect soil from the school site and carry out simple tests to assess the soil moisture, type and permeability. They will learn why it is important for the water industry to understand soil characteristics.

3. Rock investigation

Curriculum links: *Science*

Students study a range of rocks and carry out practical tests and observations including rock colour, texture, hardness and permeability. They will learn what an aquifer is and why the water industry needs to understand the geology in its local area.

Please note:

- Activities are designed for groups no larger than 35 students. We can offer this half day programme to a maximum of 65 students with one Affinity Water representative. All activities can be accommodated in a large classroom but work better in a larger space such as a hall or learning support centre. Close access to a tap and sink is preferable, where possible
- An assembly can also be included within the day, either for the whole school or for the students involved in the activities

SECONDARY SCHOOLS - OUTREACH PROGRAMMES (KS3-5)

KEY STAGES 3-5 – VISITS TO YOUR SCHOOL:

STEM in the Water Industry Day (KS3 – KS5)

Students gain an understanding of the the STEM behind the water industry, scientific processes involved in getting clean and safe drinking water to their taps, where water comes from, common pollutants found in water and how they are removed, and an appreciation of why and how water should be conserved.

This programme consists of a maximum of three of the following sessions. This is **either** the same session repeated three times to three different groups, **or** all three sessions taught to a single group.

A. Water Supply Challenge (1h – 1h30m)

Curriculum links: *STEM*

This game challenges teams to design, build and test a water supply network, simulating a real life engineering project.

B. The Water Supply Stress Test (1h – 1h30m)

Curriculum links: *STEM, Geography, Citizenship*

This activity allows students to consider the complexity of water related issues within a local and global context. They will take part in an interactive game to help them understand the impact that humans can have on their own water sources, and identify ways that everyone can play a part to help protect this precious natural resource.

C. Water Flow Investigation (1h – 1h30m)

Curriculum links: *STEM*

Students experiment with a range of equipment to investigate the basic laws of physics that govern the flow of water through a pipe. They will need to apply their own STEM skills to work through the investigation.

D. Water Experiments (*cleaning dirty water, to flush or not to flush, pollution*) (1h – 1h30m)

Curriculum links: *Science*

Students 'work scientifically' to find out how water is cleaned and made safe to drink, the source of common pollutants in water sources and their own personal impact on this, and establish which items commonly cause blockages in waste water drains.

Please note:

- Activities are designed for groups no larger than 35 students
- A maximum of three different sessions can be delivered in one day
- The same session can be repeated with different groups throughout the day or different sessions can run for the same group
- All activities can be accommodated in a large classroom but work better in a larger space such as a hall or learning support centre. Close access to a tap and sink is preferable, where possible
- An assembly can also be included within the day, either for the whole school or for the students involved in the activities.

Environmental Science Day (KS3 – KS5)

Students will gain an understanding of how water resources are managed within the water industry. Depending on the choice of sessions, they will focus on either local and global water issues, water supply management, or river catchment management.

This programme consists of a maximum of three of the following sessions. This is **either** the same session repeated three times to three different groups, **or** all three sessions taught to a single group.

A. Local and Global Water Issues (1h – 1h30m)

Curriculum links: *Geography, STEM, Citizenship*

Students will consider the complexity of water related issues within a local and global context. Through a range of interactive activities, students will explore issues at a local and global level around physical and economic water scarcity, the challenges of transporting and cleaning water, the inequalities in access to safe water and water technology in the developing world. They will also learn practical ways they can reduce their personal water usage at home and at school.

B. The Water Supply Stress Test (1h – 1h30m)

Curriculum links: *STEM, Geography, Citizenship*

This activity allows students to consider the complexity of water related issues within a local and global context. They will take part in an interactive game to help them understand the impact that humans can have on their own water sources, the implications of demand and unpredictable rainfall patterns on a limited water supply and identify ways that everyone can play a part to help protect this precious natural resource.

C. River Catchment Debate (1h15m – 2h)

Curriculum links: *Geography*

Students will be introduced to the concept of river catchment management, land use and management techniques. This session is based on a real life scenario of land uses, stakeholders and conflicts on a site located within a river catchment. The session comprises of student-led research of the stakeholders involved. This leads into a decision making activity where the students present their stakeholder proposals and then discuss which is the most appropriate land use for the site.

Please note:

- Activities are designed for groups no larger than 35 students
- A maximum of three different sessions can be delivered in one day

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- The same session can be repeated with different groups throughout the day or different sessions can run for the same group
- All activities can be accommodated in a large classroom but work better in a larger space such as a hall or learning support centre. Close access to a tap and sink is preferable, where possible
- An assembly can also be included within the day, either for the whole school or for the students involved in the activities.

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| <p>Programme Overview:</p> <p>Visits to the Education Centre</p> | <p>KS1 Wonderful Water Day</p> <ul style="list-style-type: none"> • Pond detectives (<i>Sci</i>) • Water cycle drama and be water wise (<i>Geo, Sci, Cit</i>) • Water experiments (<i>Sci</i>) | <p>KS1 Living Things and their Habitats day</p> <ul style="list-style-type: none"> • Pond detectives (<i>Sci</i>) • Nature safari (<i>Sci</i>) • Identity detectives and food chain challenge (<i>Sci</i>) |
| <p>KS2 Rolling Rivers Day</p> <ul style="list-style-type: none"> • Water treatment works tour (<i>STEM</i>) • Be water wise (<i>Geo, Sci, Cit</i>) • Rivers and their catchments (<i>Geo, Sci, Cit</i>) | <p>KS2 STEM Water Challenge Day</p> <ul style="list-style-type: none"> • Water treatment works tour (<i>STEM</i>) • Be water wise (<i>Geo, Sci, Cit</i>) <p>Plus a choice of one of the following:</p> <ul style="list-style-type: none"> • Water flow investigation (<i>STEM</i>) • The water supply stress test (<i>STEM, Geo, Cit</i>) • Water supply challenge (<i>STEM</i>) | <p>KS2 Wonderful Water Day</p> <ul style="list-style-type: none"> • Water treatment works tour (<i>STEM</i>) • Be water wise (<i>Geo, Sci, Cit</i>) <p>Plus a choice of one of the following:</p> <ul style="list-style-type: none"> • Water in the developing world (<i>Geo, Cit</i>) • Water experiments (<i>Sci</i>) |
| <p>KS2 Living Things and their Habitats Day</p> <ul style="list-style-type: none"> • Pond detectives (<i>Sci</i>) • Nature safari (<i>Sci</i>) • Food webs and pollution patrol (<i>Sci, Geo, Cit</i>) | <p>KS2 Water, Rocks and Soils Day</p> <ul style="list-style-type: none"> • Water treatment works tour (<i>STEM</i>) • Be water wise (<i>Geo, Sci, Cit</i>) • <i>Water, Rocks and Soils</i> (<i>Sci, Geo</i>) | <p>KS3 – KS5 STEM in the Water Industry Day</p> <ul style="list-style-type: none"> • Water treatment works tour (<i>STEM</i>) • Be water wise (<i>Geo, Sci, Cit</i>) <p>Plus a choice of one of the following:</p> <ul style="list-style-type: none"> • Water supply challenge (<i>STEM</i>) • Water flow investigation (<i>STEM</i>) • Water experiments (<i>Sci</i>) |
| <p>KS3 – KS5 Environmental Science Day</p> <p>Any two of the following:</p> <ul style="list-style-type: none"> • Rivers and their catchments (<i>Geo, Sci, Cit</i>) • Freshwater ecology (<i>Sci, Geo</i>) • The water supply stress test (<i>STEM, Geo, Cit</i>) • Water treatment works tour & Be water wise (<i>STEM, Geo, Cit</i>) | | |

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| <p>Programme Overview:</p> <p>Visits to your school</p> | <p>KS1 Wonderful Water Day</p> <ul style="list-style-type: none"> Water cycle drama (<i>Sci, Cit</i>) Be water wise (<i>Geo, Sci, Cit</i>) Water experiments (<i>Sci</i>) | <p>KS1 Pollution Solutions Day</p> <ul style="list-style-type: none"> KS1 Assembly – Finlay follows the fish flow (<i>Geo, Sci, PSHE</i>) Water Experiments (<i>Sci</i>) Pollution Walk (<i>Geo, PSHE</i>) Ted's pollution solutions (<i>Geo, Sci, PSHE</i>) |
| <p>KS2 Water Audit Day</p> <ul style="list-style-type: none"> Water Audit (<i>Sci, Math</i>) Water Eco Action Playground (<i>Geo, Cit</i>) <p>Plus a choice of one of the following:</p> <ul style="list-style-type: none"> Water experiments (<i>Sci</i>) Water supply challenge (<i>STEM</i>) | <p>KS2 STEM Water Challenge Day</p> <ul style="list-style-type: none"> Water Eco Action Playground (<i>Geo, Cit</i>) <p>Plus a choice of one of the following:</p> <ul style="list-style-type: none"> Water flow investigation (<i>STEM</i>) The water supply stress test (<i>STEM, Geo, Cit</i>) Water supply challenge (<i>STEM</i>) | <p>KS2 Pollution Solutions Day</p> <ul style="list-style-type: none"> KS2 Assembly – Our Catchment (<i>Geo, Sci, PSHE</i>) Water Experiments (<i>Sci</i>) Pollution Walk (<i>Geo, Sci</i>) Pollution solutions (<i>Geo, Sci, PSHE</i>) |
| <p>KS2 Water Rocks and Soils Day</p> <ul style="list-style-type: none"> Earth, rocks, soils and Water (<i>Geo, Sci</i>) Soil investigation (<i>Geo, Sci</i>) Rock investigation (<i>Sci</i>) | <p>KS3 – KS5 STEM in the Water Industry</p> <p>Up to three of the following:</p> <ul style="list-style-type: none"> Water supply challenge (<i>STEM</i>) The water supply stress test (<i>STEM, Geo, Cit</i>) Water flow investigation (<i>STEM</i>) Water experiments (<i>Sci</i>) | <p>KS3 – KS5 Environmental Science Day</p> <p>Up to three of the following:</p> <ul style="list-style-type: none"> Local and global water issues (<i>Geo, STEM, Cit</i>) The water supply stress test (<i>STEM, Geo, Cit</i>) River catchment debate (<i>Geo</i>) |

For further information, please contact the Education Team:

Tel: 0208 420 5864

Email: education@affinitywater.co.uk

Website: www.affinitywater.co.uk/education via the 'contact us' page