

Teachers Notes

Water for Life

formerly known as a Drop of Water

Thank you for your booking. Please check all details both on the programme, here, and on your booking confirmation form

PROGRAMME

Start time and meeting place: Please also refer to your booking form. Meeting place is the Longdendale Environmental Centre, where coach parking is available

Location: Longdendale Environmental Centre, Tintwistle

Introduction:

- Meet at Longdendale Environmental Centre
- Welcome and introduction to leaders and the Peak District National Park
- Objectives and outcomes of the day
- Staying safe

Activities:

- The Peak District National Park
- A special gift - a drop of water
- Properties and uses of water
- The John Bateman story and the building of the reservoirs
- Why the Longdendale valley was chosen as suitable for reservoir building
- Shale and gritstone - differences between them
- How they built the reservoirs, including clay puddling
- Sensory story
- Filtration and water cleaning experiment

Equipment and props used:

- Shale and gritstone examples
- Magnifiers
- Pipettes
- Various natural objects, both provided and found
- Measuring beakers and trays
- Pebbles, gravel and sand filtration kit
- 'Dirty' water to be cleaned
- Recording sheets

Lunch

- Lunch will be taken at the Longdendale Environmental Centre followed by:
- The Lunchtime Waste Challenge. We challenge the school to produce as little waste as possible from your packed lunches. We encourage all to Reduce, Reuse and Recycle

Safety All our activities and sites have undergone a risk benefit analysis. Risk assessments and health and safety information can be downloaded at:

www.peakdistrict.gov.uk/learning-about

Our staff student ratios vary depending on age and ability of the group and the activities booked. All our leaders are First Aid qualified

Clothing Please ensure that children are wearing warm outdoor clothing. Waterproof jacket, wellies or stout shoes are advisable for all visits

Behaviour Teachers are responsible for good behaviour, discipline & lunch time supervision

Medical Information Please let us know about any allergies, medical conditions or special needs. See booking form to enter details

Payment Please note you will be invoiced after your visit for the number of children on the day

Cancellation Please let us know as soon as possible if you have to cancel or if your numbers change significantly

Insurance Our Learning and Discovery Team is covered for £10m Public Liability Insurance. Please ensure that your school or LEA has appropriate insurance cover

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LEARNING OUTCOMES

By the end of the session:

All children will, or will be able to:

- Understand the water cycle and uses of water
- Be able to identify the differences between shale and gritstone
- Have used field equipment/props in an appropriate manner
- Understand some new concepts, words and phrases
- Have had a fun and enjoyable day in the Peak District National Park

Most children will:

- Understand why and how we store water
- Understand the differences between reservoirs and lakes
- Understand the historical and practical reasons for water storage
- Understand some simple geology of the Peak District
- Make observations about the best materials for filtering water

Some children may also:

- Understand the links between landscape features, land use and the National Park
- Be able to explain why the Longdendale Valley is significant for water gathering and storage

CURRICULUM LINKS

Literacy - Children will be introduced to some technical terms and vocabulary and be encouraged to use and record words to describe their visit

Numeracy - children will record any measurements and findings and be encouraged to work out size differences of filtration materials used

Geography - children will be able to Compare and Contrast their local area with that of the Peak District National Park

Citizenship - all activities involve teamwork, working out how and for what purpose we use the equipment and its shared use

Thinking Skills - all activities promote independent enquiry, creative thinking, reflective learning, self-management and effective participation

Weather We will continue activities in all but the very worst weather so please make sure everyone comes prepared to be outside in the rain and/or cold!

Every Child Matters All activities aim to cover the ECM outcomes of:

- Be Healthy
- Stay Safe
- Enjoy and achieve
- Make a positive contribution

Prior Learning It is helpful if the children are familiar with the concepts of the Water Cycle and where their drinking comes from. Why not study and plan your journey here? How many reservoirs will you pass by?

A little knowledge of the Peak District National Park is also useful

Follow-up Work For all our activities we enjoy receiving post visit letters or pictures from children. Please send these to the address below. For further follow-up ideas and information, please see our website

Peak District National Park Authority
Learning & Discovery Team
Field End Bungalow
Losehill Hall
Castleton
Hope Valley
S33 8WB

01433 620373

01457 855487 (Longdendale)

learning.discovery@peakdistrict.gov.uk