

# Activities we offer:

## FOUNDATION STAGE WOODLAND TRAIL

Content	Trail (children will...)	Powerpoint presentation and follow on activities (children will...)
<p>The trail and linking powerpoint aim to draw children's attention to the key landmarks of the park and nature around them.</p> <p>Both give children the opportunity to explore nature in a 'hands on' way.</p>	<ul style="list-style-type: none"> <li>*Find a stick and then wrap with tape and attach items found to create a 'story stick' of their journey through the park.</li> <li>*Spot the key attractions and landmarks in the park using the pictures to help them.</li> <li>*Think about their senses and write down what they can see, smell, hear and touch as they walk through the park.</li> <li>*Use their booklets to create bark rubbings of trees and using string to measure the trunks of different trees to find out which trees are the oldest</li> <li>*Draw something they can see hanging from the Petrifying Well.</li> </ul>	<ul style="list-style-type: none"> <li>*Describe their journey through the park using their story sticks</li> <li>*Make caves using cardboard boxes and materials</li> <li>*As a class, create a leaf and handprint tree to take back to school</li> <li>*Colour pictures of nature by number</li> <li>* Read the Story of The Tiny Seed</li> </ul>

# HISTORY

Topics covered	Key Stage	National Curriculum (2014) links	Trail	Follow on Powerpoint & activities (children will...)
<b>-Mother Shipton</b>  <b>-Great Fire of London</b>	KS1	<i>'Pupils should be taught about events beyond living memory that are significant nationally or globally [for example, the Great Fire of London]'</i>  <i>'Pupils should be taught about significant events, people and places'</i>	* Looks at key landmarks and facts about the park itself and poses questions about Mother Shipton's life and prophecies.	*Complete different tasks linking to the Great Fire of London including: re-ordering events, imagining themselves at the scene and writing a chronological report.
<b>-Mother Shipton</b>  <b>-Spanish Armada</b>  <b>-Guy Fawkes</b>  <b>-Civil War</b>  <b>-Tudors</b>	KS2	<i>'A study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality.'</i>  <i>'Children should note connections over time and develop the appropriate use of historical terms'.</i>	* Looks at key landmarks and facts about the park itself and poses questions about Mother Shipton's life and prophecies with differentiated information and vocabulary suitable to KS2 children.	*Look at ruling Monarchs from Henry VII to Charles I.  *Complete activities (including Art, role play, source work and debating) on significant events & people during their ruling including: the Spanish Armada, Guy Fawkes, The British Civil War and the Tudors.

# GEOGRAPHY

Topics covered	Key Stage	National Curriculum (2014) links	Trail (children will...)	Follow on Powerpoint & activities (children will...)
-Rivers -Petrification -Rocks	KS1	<i>'Use basic geographical vocabulary to refer to key physical features, including rivers'. 'Use simple fieldwork and observational skills'.</i>	*Spot different landmarks in the park relating to rivers and look at the process of Petrification	*Test the mineral content of the Petrifying Well water  *Group and experiment with different rocks
-Rivers -Petrification -Rocks -Flooding	KS2– Year 3 & 4	<i>'Describe and understand key aspects of physical geography, including: rivers'. Use fieldwork to observe, measure, record and present the human and physical features in the local area'.</i>	*Spot different landmarks in the park relating to rivers and look at the process of petrification  *Look at area of annual flooding  *Map the park	*Test the mineral content of the Petrifying Well water  *Group and experiment with different rocks (porous & non-porous)  *Study flooding in more detail and create their own flooding prevention method
-Rivers -Petrification -Rocks -Flooding -Cave formation	KS2– Year 5 & 6	<i>'Describe and understand key aspects of physical geography, including: rivers...and the water cycle'. Human geography, including: energy... minerals and water'.  'Use fieldwork to observe, measure, record and present the human and physical features in the local area'.</i>	*Spot different landmarks in the park relating to rivers and look at the process of petrification  *Look at area of annual flooding  *Look at the formation of the cave  *Map the park	*Test the mineral content of the Petrifying Well water  *Study flooding in more detail and create their own flooding prevention method  *Look at wind, solar and hydro-power linking this to the weir and then create their own water wheel using different materials and test

# SCIENCE

Topics covered	Key Stage	National Curriculum (2014) links	Trail (children will...)	Follow on Powerpoint & activities (children will...)
<p><b>-Types of trees</b></p> <p><b>-Labelling plants</b></p> <p><b>-Common flowers</b></p> <p><b>-What a plant needs to grow</b></p>	KS1	<p><i>'Identify and describe the basic structure of a variety of common flowering plants, including trees.'</i></p> <p><i>'Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.'</i></p>	<p>*Use the booklet as they go through the park and spot the different types of trees from their trunks.</p> <p>* As they spot the trees, they also make bark rubbings to distinguish further differences between their trunks.</p>	<p>*Revisit trees spotted</p> <p>*Label parts of a flower &amp; tree</p> <p>*label real flowers and images of different trees</p> <p>*Name common flowers</p> <p>*Look at the difference between evergreen and deciduous trees</p> <p>*Look at what a plant needs to grow</p>
<p><b>-Types of trees</b></p> <p><b>-Labelling plants</b></p> <p><b>-Common flowers</b></p> <p><b>-What a plant needs to grow</b></p> <p><b>-Soils</b></p>	KS2– Year 3 & 4	<p><i>'Identify and describe the functions of different parts of flowering plants'.</i></p> <p><i>'Explore the requirements of plants for life and growth and how they vary from plant to plant'.</i></p> <p><i>'Recognise that soils are made from rocks and organic matter.'</i></p>	<p>*Use the booklet as they go through the park and spot the different types of trees from their trunks.</p> <p>*As they spot the trees, they also make bark rubbings to distinguish further differences between their trunks.</p> <p>*Information differentiated appropriately for lower KS2 children</p>	<p>*Revisit trees spotted</p> <p>*Look at what different parts of a plant and label</p> <p>*Look at what plants need to grow and how they would be affected if they did not have these things</p> <p>*Investigate different soils to distinguish which soil is most porous and therefore best to use for planting</p>
<p><b>-Parts of plants</b></p> <p><b>-Reproduction of plants (plant life cycle)</b></p>	KS2– Year 5 & 6	<p><i>'Describe the life process of reproduction in some plants'.</i></p>	<p>*Use the booklet as they go through the park and spot the different types of trees from their trunks.</p> <p>*As they spot the trees, they also make bark rubbings to distinguish further differences between their trunks.</p> <p>*Information differentiated appropriately for upper KS2 children</p>	<p>*Label different parts of plants</p> <p>*Look at reproduction of plants (pollination, fertilisation, seed dispersal and germination)</p> <p>*Role play pollination</p>

# MATHS TRAILS

**Key Stage**     **Children go through the park using their surroundings to work out Mathematical calculations and problems which include:**

- KS1**
- 2D shape hunt
  - Addition and subtraction calculations linking to the trees within the park and the steps to the cave and Petrifying Well
  - Multiplication calculations linking to the number of teddies hanging up under the Petrifying Well
  - Coin identification and money problems linking to the Wishing Well
  - Identification of what tool of measurement you would use to measure the bench along Beech Avenue
  - Mathematical vocabulary wordsearch

- KS2– Year  
3 & 4**
- 2D shape hunt
  - Estimation of the height of the Viaduct
  - Identifying right angles within the park
  - Estimation and measurement of bench along Beech Avenue in cm
  - Mathematical vocabulary wordsearch

- KS2– Year  
5 & 6**
- 2D and 3D shape hunt linking to symmetry and number of vertices of 3D shapes
  - Estimation of the height of the Viaduct
  - Right, obtuse and acute angle hunt with challenge of drawing an angle with a protractor
  - Mental addition and 'What number am I' calculations linking to the trees within the park
  - Addition, subtraction and multiplication linking to the steps to the cave and Petrifying Well
  - Multiplication and division calculations linking to the number of teddies hanging up under the Petrifying Well with challenge of showing remainder as mixed number and a decimal
  - Coin identification and money problems (decimals) linking to the Wishing Well
  - Estimation and measurement of bench along Beech Avenue with conversion of answer in m, cm and mm
  - Mathematical vocabulary wordsearch