



## Woodland Discovery Day

Create a full day of woodland themed activities for your class by choosing up to 3 of the activities listed below. The activities are based at The Moors National Park Centre at Danby using an area of mixed woodland within the centre grounds.

Children will learn about the woodland habitat and the wildlife that lives within it. They could discover seeds and their mechanisms for dispersal, learn how nature recycles nutrients or explore the world of camouflage and work as teams to make their own 'invisible' shelters. Artistic expression can be explored through designing 'tree-shirts', making kites, sculpture or making paper. All activities are practical and interactive with lots of opportunities for paired and team working.

- Age Range:** Years 3 to 6 (Age 7 to 11)  
**Duration:** 10am to 2.30pm including lunch break (timing can be flexible)  
**Cost:** Full day rate per child (or £7.00 if you choose Tree-shirts)  
**Location:** The Moors National Park Centre

**Main Curriculum Links:**

- Science** – animals and their habitats  
**Art and Design** – using natural materials to create sculpture



Activities and Key Learning Objectives Children should learn...	Learning Outcomes
<p><b>Woodland Habitat</b></p> <ul style="list-style-type: none"> <li>the roles of leaves, roots, water, sunlight and air in plant growth;</li> <li>to use an identification key;</li> <li>about the variety of life in a woodland habitat</li> </ul>	<p><b>All children will be able to:</b></p> <ul style="list-style-type: none"> <li>name the things needed for plant growth;</li> <li>use an identification key</li> </ul> <p><b>Most children will be able to:</b></p> <ul style="list-style-type: none"> <li>describe the roles of leaves, roots, water, sunlight and air in plant growth;</li> <li>describe how several animals are adapted to a woodland habitat</li> </ul> <p><b>Some children will be able to:</b></p> <ul style="list-style-type: none"> <li>describe how different animals are adapted to living in different parts of a woodland habitat</li> </ul>
<p><b>Camouflage and Concealment</b></p> <ul style="list-style-type: none"> <li>how animals are suited to their environment</li> <li>how colour is used by animals for camouflage and communication</li> </ul>	<p><b>All children will be able to:</b></p> <ul style="list-style-type: none"> <li>name some woodland animals;</li> <li>describe what camouflage is</li> </ul> <p><b>Most children will be able to:</b></p> <ul style="list-style-type: none"> <li>explain how colour is used to avoid being prey and to help stalk prey</li> </ul> <p><b>Some children will be able to:</b></p> <ul style="list-style-type: none"> <li>explain how and why colour is used for concealment, as a warning and as mimicry</li> </ul>
<p><b>Recycling</b></p> <ul style="list-style-type: none"> <li>how nutrients are recycled in nature and the role of worms, micro organisms and fungi</li> <li>how paper can be recycled</li> </ul>	<p><b>All children will be able to:</b></p> <ul style="list-style-type: none"> <li>describe what happens to dead material;</li> <li>try a new art technique</li> </ul> <p><b>Most children will be able to:</b></p> <ul style="list-style-type: none"> <li>describe the role of earthworms in breaking down organic matter;</li> <li>describe how paper is made of fibres and how these can be reworked to make new paper</li> </ul> <p><b>Some children will be able to:</b> describe how the process of recycling organic matter uses micro organisms, fungi and invertebrates;</p> <ul style="list-style-type: none"> <li>explain the process of recycling new paper from old</li> </ul>

<b>Seeds and Dispersal</b> <ul style="list-style-type: none"> <li>• that plants and trees produce different sorts of seeds and that they are dispersed in different ways</li> <li>• to design and make a simple seed</li> </ul>	<b>All children will be able to</b> <ul style="list-style-type: none"> <li>• identify a seed and describe the mechanism for its dispersal;</li> <li>• design and make a simple seed</li> </ul>
	<b>Most children will be able to:</b> <ul style="list-style-type: none"> <li>• identify several seeds and the plant from which they come;</li> <li>• describe how different seeds are dispersed</li> </ul>
	<b>Some children will be able to:</b> <ul style="list-style-type: none"> <li>• explain why plants use different mechanisms of dispersal and what the benefits of each are</li> </ul>
<b>Shelter Building</b> <ul style="list-style-type: none"> <li>• to work together to discuss design and materials required for making a shelter</li> <li>• to work together to make a shelter</li> <li>• to tie a couple of simple knots</li> </ul>	<b>All children will be able to:</b> <ul style="list-style-type: none"> <li>• discuss ideas and vote on a framework to build;</li> <li>• work as a team to construct shelters;</li> </ul>
	<b>Most children will be able to:</b> <ul style="list-style-type: none"> <li>evaluate the effectiveness of shelters; • learn a simple knots</li> </ul>
	<b>Some children will be able to:</b> <ul style="list-style-type: none"> <li>• suggest ways of redesigning shelters to make them more effective</li> </ul>
<b>Tree-shirts</b> <ul style="list-style-type: none"> <li>• that leaves come in many different shapes and sizes and that they can be used in art for a simple printing technique</li> </ul>	<b>All children will be able to:</b> <ul style="list-style-type: none"> <li>• try a new art technique and create their own design</li> </ul>
	<b>Most children will be able to:</b> <ul style="list-style-type: none"> <li>• select the best leaves for printing with and experiment with designs and mixing colours</li> </ul>
	<b>Some children will be able to:</b> <ul style="list-style-type: none"> <li>• reflect on designs and suggest ways of improving them</li> </ul>
<b>Faces in the Woods</b> <ul style="list-style-type: none"> <li>• that art can be made out of natural materials</li> <li>• that art can be ephemeral</li> <li>• how to express themselves artistically</li> </ul>	<b>All children will be able to:</b> <ul style="list-style-type: none"> <li>• create a piece of art using natural materials</li> </ul>
	<b>Most children will be able to:</b> <ul style="list-style-type: none"> <li>• explore visual and tactile qualities of materials and match them to the purposes of the work;</li> </ul>
	<b>Some children will be able to:</b> <ul style="list-style-type: none"> <li>• adapt their work and describe how they might develop it further</li> </ul>

## Assessment for Learning

We assess learning using a variety of techniques appropriate to the activity such as: questioning, questioning games, observing how well children are performing tasks, checking results, quizzes and feedback forms.

## Ideas for Extending Learning Before and After these Activities

- To find out more about woodland in the North York Moors go to: <http://www.northyorkmoors.org.uk/discover/woodland>
- The Woodland Trust and the Forestry Commission websites contain a wide range of resources for schools at: [www.woodlandtrust.org.uk/](http://www.woodlandtrust.org.uk/) \* and [www.forestry.gov.uk/](http://www.forestry.gov.uk/) \*

\*This is an external website for which the National Park Authority has no responsibility.