

## Trampling Study - Key Stage 3

Available April to October

Aim of session: To investigate the effects of trampling on a woodland habitat

Learning Objectives	Structure
<p>To look at the effects of trampling in two contrasting areas of the woodland</p>	<p><b>Trampling study –</b></p> <p><u>Drainage</u> Use a stopwatch to time how long it takes water to drain through the soil.</p> <p><u>Plant variety</u> To record the number of different plants &amp; density of roots.</p> <p><u>Mini beast variety</u> to record number of mini beasts or evidence of animal activity</p> <p><u>Soil structure</u> To use pH paper to record the type of soil. To record moisture content.</p>

## Wildfowl – Key Stage 3

Available April to October

Aim of session: To identify the variety of wildfowl at Attenborough. To use and create a branching key.

Learning Objectives	Structure
<p>To use keys</p> <p>To learn how locally occurring birds can be identified and assigned to groups</p> <p>To learn about the different birds found in different habitats</p> <p>To find out how birds are suited to their environment</p> <p>To be safe near water</p> <p>To treat wildlife with respect</p>	<p>To use a classification key to identify wildfowl pictures on a trail.</p> <p>To use binoculars to observe birds from the bird hide and record using a tick sheet</p> <p>To use pictures of common wildfowl to create a branching key of their own</p>

## Life in Water – Key Stage 3

Available from April until October

Aim of session: to investigate the freshwater organisms which live in ponds and develop an understanding of their adaptations and relationships. To use the type and number of organisms recorded as indicators of water quality.

Learning Objectives	Structure
<p>To treat all creatures with respect.</p> <p>Collect and record freshwater invertebrates</p> <p>Develop understanding of adaptation</p> <p>Learn about freshwater life cycles and food chains</p> <p>Understand how biological indicators can be used by scientists to determine water quality</p>	<p>Introduction to pond mini habitats and mini beasts</p> <p>Survey of land use around pond margins and simple water quality tests</p> <p>Pond dipping Collection of freshwater invertebrates using the appropriate sampling technique</p> <p>Investigating and identifying finds A closer look at invertebrates using pond magnification and tick sheets, use of simple keys.</p> <p>Water quality indicators Calculate Pond Health Score using own data.</p>