

Pond Dipping KS1

Session Overview and Learning Objectives

Session Summary

- This session is suitable for one class of 30 children
- 50 minutes
- Required adult:child ratio is 1:6

An exciting way for children to investigate an aquatic habitat and learn about food chains, classification and how to observe pond creatures closely. Children can use ID sheets to identify invertebrates that they are generally less familiar with.

We will provide all the equipment needed; pond nets, white trays, magnifying glasses, spoons, ID sheets, protective gloves and a safety throw line.

The session will be led by a SWT volunteer. Please ensure that you provide the recommended adult:child ration for this session.

Links to pre-recorded microscope sessions can be found on our website and watched prior to, or after your visit so that the children can learn all about the fascinating creatures they encounter at the pond.

Session Outline

Time	Location	Activity
5 mins	Centre	Walk to pond
10 mins	Pond	Introduction and safety talk
25 mins	Pond	Pond dipping
10 mins	Centre	Plenary and wash hands

Learning Objectives

Learning Objective/Activity	Expected Learning Outcomes
<p>Story (inside - wet weather option)</p> <ul style="list-style-type: none"> ● Introduce children to creatures that live in the pond 	<ul style="list-style-type: none"> ● All will be able to name at least one creature that lives in the pond ● Some will recognise the life cycle of a frog ● A few will understand the concept of food chains
<p>Pond Dipping</p> <ul style="list-style-type: none"> ● Demonstration and safety talk ● Use picture keys to identify and name creatures 	<ul style="list-style-type: none"> ● All will understand how to work safely around water and experience the diversity of life in a pond ● Some will be able to sort creatures according to number of legs ● A few will be able to identify some creatures using an ID sheet
<p>Plenary Activity</p> <ul style="list-style-type: none"> ● Reflect on the different activities that they have experienced ● Share some of the key facts and knowledge that they have learnt ● Solidify memories of the experience by recapping them 	<ul style="list-style-type: none"> ● All be able to name a carnivore, a herbivore and a detritivore ● Some will understand at least one adaptation to the aquatic habitat ● Some will be able to describe a simple food chain ● A few will be able to name and describe adaptations of several pond invertebrates
<p>Online Microscope Video (at school – before or after the visit)</p> <ul style="list-style-type: none"> ● To show adaptations to life in the pond in closer detail ● To recap and reinforce learning 	

Curriculum Extracts

The following bullet points are extracted from the national curriculum

KS1 Science

Y1 Animals, including humans

Pupils should be taught to:

- identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- identify and name a variety of common animals that are carnivores, herbivores and omnivores
- describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)

Y2 Animals, including humans

Pupils should be taught to:

- notice that animals, including humans, have offspring which grow into adults

Y2 Living things and their habitats

Pupils should be taught to:

- explore and compare the differences between things that are living, dead, and things that have never been alive
- identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other
- identify and name a variety of plants and animals in their habitats, including microhabitats
- describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food