

Ponds (KS3)

Feeding relationships.

Ponds - Feeding Relationships (Half-day option)

The question posed to students is; **is there a relationship between the number of herbivores, carnivores and detritivores in a habitat?** Students will use appropriate equipment to carefully collect animals from a pond within the Suntrap grounds. They will use keys to identify the different species and record all animals caught.

Learning Objectives

- To use keys and observations to identify living organisms
- That a pyramid of numbers describes the numbers of food plants, herbivores and carnivores in a habitat
- To treat animals and the environment with care and sensitivity

Some suggestions for visit preparation

1. Re-cap important vocabulary; *habitat, organism, species, herbivore, carnivore*
2. Use simple keys to sort pictures of living things.

Some suggestions for visit follow-up

1. Complete the suggested follow up questions from the worksheet.
2. Variety of resources available on Arkive education website

National Curriculum Links

Science

1. Key concepts

1.1 Scientific thinking

- a. Using scientific ideas and models to explain phenomena and developing them creatively to generate and test theories.
- b. Critically analysing and evaluating evidence from observations and experiments.

2. Key processes

2.1 Practical and enquiry skills

- a. use a range of scientific methods and techniques to develop and test ideas and explanations
- b. assess risk and work safely in the field
- c. plan and carry out practical and investigative activities, both individually and in groups.

2.2 Critical understanding of evidence

- a. obtain, record and analyse data from a wide range of primary sources, and use their findings to provide evidence for scientific explanations
- b. evaluate scientific evidence and working methods.

2.3 Communication

- a. use appropriate methods, including ICT, to communicate scientific information and contribute to presentations and discussions about scientific issues.

3. Range and content

3.3 Organisms, behaviour and health

- d. all living things show variation, can be classified and are interdependent, interacting with each other and their environment
- e. behaviour is influenced by internal and external factors and can be investigated and measured.

4. Curriculum opportunities

- e. experience science outside the school environment



EVENT SPECIFIC RISK ASSESSMENT

Visit details: **Ponds**

Carried out by.....Suntrap Forest Education Centre.....

Date: Feb 2013

<p>ISSUE List significant hazards, which may result in serious harm or affect several people. Consider venue, activity, group, plan B, etc</p>	<p>HOW TO MANAGE IT What procedures will we have? (Control measures)</p>	<p>WHO TO BE INFORMED S Pu Pa</p>		
Traffic safety	<ul style="list-style-type: none"> follow safe procedures for crossing roads (Suntrap line) do not cross cattle grid 	*	*	
Getting lost/stranger danger	<ul style="list-style-type: none"> stay within the area designated by the member of staff mobile telephones may be carried never work alone 	*	* * *	
Slip/trip/fall/minor injury	<ul style="list-style-type: none"> do not run, climb trees, pick up or throw sticks/stones Suntrap staff to carry first aid kit 	*	*	
Medical / behavioural conditions	<ul style="list-style-type: none"> all adults to be aware of any particular conditions e.g. asthma & allergies 	*		*
Falling into pond	<ul style="list-style-type: none"> only dip from the teacher designated areas of the pond do not lean or extend out over the dipping areas adhere to the safe working practices as outlined by the teacher throw-line carried by centre staff extending rescue pole & lifebuoy available for staff to use 	* *	* * *	
Water borne diseases	<ul style="list-style-type: none"> those with allergies and cuts are to wear gloves all pupils to wash hands after dipping & before eating 		* *	

You must also ensure that appropriate persons are aware of any Generic procedures, but these do not need to be repeated here.

S-Staff Pu-Pupils Pa-Parents

The activity must only take place if the residual risk following implementation of control measures is deemed to be "low".

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Raising Achievement - Outdoors