Session Outline

KS1&2: Pond dipping and Adaptations (March – October)

This outline is a general guide for what to expect during your session with us. Activities and session structure may vary depending on weather conditions and other circumstances.

National Curriculum links: KS1&2 programmes of study – Science: working scientifically, animals, living things and their habitats

Learning Objectives	Session outline	Evaluation of Learners progress
• Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. • Identify and name a variety of common plants and animals in their habitats, including micro-habitats. • identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. • Analyse the advantages and disadvantages of specific adaptations, such as being on two feet rather than four, having a long or a short beak, having gills or lungs.	**Introduction** The class will have a brief welcome and introduction to the day. We will discuss freshwater as a habitat and how it provides the basic needs for animal that live there. **Activities** Students will pond dip in a safe and controlled manner using specialist equipment. They will look closely at the features of different animals and use identification keys to work out what species they have caught. Identification keys may also help students to predict what else they might find in this water body. There will also be discussion about the lifecycles of the pond creatures. A record sheet can be provided so that your students can take their findings back to the classroom. Please request this resource when booking if required. The second half of the session will be spent walking a trail where students will learn about adaptations of some different aquatic species in MK. They will be challenged to choose their favourite adaptations to create an imaginary "super beast"!	To include: Discussion with children before, during and after the visit. Photographs which you may take for post visit discussions, displays and activities
Pre Visit activities	**Post Visit activities**	**Relevant activity risk assessments**
Visit the website: find the park that you are going to visit. What facilities are there? What animals might you see? Look at the features of a pond and discuss the animal and plants that might live there. Consider why humans couldn't live under water and why fish couldn't live on land	Research the life cycle of a particular animal from the session. Create a poster/animation/story based around your findings. Create a 3D model or painting of your group's super beast displaying each of the adaptations. Describe what it eats, where it lives and how it uses its special skills. Use the data collected from your pond tally as part of a numeracy activity**.** Find out more about how to help endangered freshwater species in MK.	• General Risk Assessment for schools • Guided walks for schools • Site based- Parks with significant water bodies.