



Look at a range of different birds and other animals to see how their bodies are adapted to suit their way of life.

Galleries visited (please see accompanying map)	Birds Mammals (blue whale)		
Suitable for	Key Stage 2 (ages seven to 11)		
Curriculum links	QCA Science Unit 4B: Habitats (Section 3) QCA Science Unit 6A Interdependence & Adaptation NC Science: Life Processes & Living Things 5b		
Example page	www.nhm.ac.uk/adaptation-ks2		
Pre-visit preparation	 Vocabulary: adaptation, adapted, camouflage. An understanding of why animals need to be adapted in order to survive. This may be a body part adapted to a certain way of feeding, for example beak or claws or sharp teeth, or it could be through a certain colouration for camouflage. 		

Activities within the guide

The children will be asked to complete six challenges:

Challenge	Location	Description
1. Beak challenge	A	Using a bird's beak to give clues about diet
2. Body bits challenge	Solution	How a bird's body can tell us about their way of life
3. Star challenge: mix 'n' match	<pre> {</pre>	Create a bird adapted to a certain way of life
4. Hippo challenge		Explore how a hippo is adapted to its way of life
5. TV programme challenge		Find a range of adaptations to be featured on a new TV programme
6. Wonderful whales challenge		Discover how whales are adapted to their life in the sea

These can be done in any order within the two galleries. Depending on how many challenges the children complete, they can reach these levels:

- researcher (two challenges completed)
- scientist (four challenges completed)
- professor (six challenges completed)

Certificates

On return to school, certificates (available at the end of this document) can be printed out and awarded, depending on the number of challenges completed.

Techniques

There are a range of techniques used within the guide. To complete the challenge, children will be required to:

- make choices based on observation
- write short answers
- choose appropriate descriptive vocabulary
- make decisions about an animal's diet based on physical features
- make sketches
- discuss answers with a partner
- extract information from exhibits and their information boards
- use the galleries to find examples of certain adaptations

Follow-up activities

Award ceremony

Print out certificates and have an award ceremony.

• Literacy: Speaking & Listening

Discuss the experiences had at the Museum and the challenges that were undertaken.

• Literacy

Write an advert, aimed at a particular animal, that lists the adaptations they would need to live and survive in a certain environment.

Example: advert for frog

Amphibian companion required for lonely newt. Must be able to swim long distances. Webbed feet an advantage. No sharp talons or teeth needed as diet is soft and easily caught.

• ICT/Literacy

Look at the information gathered for the hippo challenge. Create your own poster for an animal of your choice, showing how well it is adapted to its way of life.



with webbed toes.







Certificate

This is to certify that

became a



in the Explore and Discover... Adaptation challenge





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