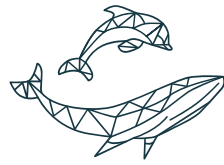


Whales in our Waters - Curriculum Links

CURRICULUM FOR EXCELLENCE - SCIENCE

	OUTCOME	SESSION LINKS
BIODIVERSITY & INTER-DEPENDENCE	I can identify and classify examples of living things, past and present, to help me appreciate their diversity.	Classification – mammals vs fish Identification of frequently seen species of whales, dolphins, and porpoises on the west coast. Handling of bones and teeth, making comparisons between species Appreciation of the diversity of cetaceans on the west coast – 24 species recorded (one quarter of those found worldwide).
	I can relate physical and behavioural characteristics to their survival or extinction. SCN 2-01a	Discussion about characteristics key to some species survival. – Scottish bottlenose dolphins are the largest in the world, to enable them to survive cold water. Discussion about cetacean feeding (teeth vs baleen).
	I can explore examples of food chains and show an appreciation of how animals and plants depend on each other for food. SCN 1-02a	Cetaceans are carnivores. Group activity matching cetaceans and prey (including killer whales eating porpoises), and discussion about how prey distribution affects cetacean distribution
TOPICAL SCIENCE	Through research and discussion I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society. SCN 2-20a	Introduction to the work of HWDT and understanding that what they're learning comes from our research on <i>Silurian</i> and the contribution of hundreds of volunteers.



VIBRATIONS & WAVES	Through research on how animals communicate, I can explain how sound vibrations are carried by waves through air, water and other media. SCN 2-11a	<p>Listen to recordings of whales and dolphins.</p> <p>Discussion about dolphin communication – clicks and whistles and echolocation.</p> <p>Comparison of different sounds under water, their pitch and their function, linking to how sound vibrations are carried by waves through water.</p>
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CURRICULUM FOR EXCELLENCE - MATHS

	OUTCOME	SESSION LINKS
ESTIMATION & ROUNDING	I can share ideas with others to develop ways of estimating the answer to a calculation or problem, work out the actual answer, then check my solution by comparing it with the estimate. MNU 1-01a	<p>Pupils estimate the lengths of different cetacean species, using a known length.</p> <p>Measurement of actual lengths of species using tape measure</p>
DATA & ANALYSIS	I can match objects, and sort using my own and others' criteria, sharing my ideas with others. MTH 0-20b	<p>Group activity sorting and matching baleen and toothed whales</p> <p>Group activity matching cetaceans and prey, deducing matches from what has been learned and information supplied</p>

CURRICULUM FOR EXCELLENCE - SOCIAL STUDIES

	OUTCOME	SESSION LINKS
PEOPLE, PLACE & ENVIRONMENT	I explore and appreciate the wonder of nature within different environments and have played a part in caring for the environment. SOC 0-08a	Greater understanding of diversity of species found in their local area and the range of habitats in the Hebrides.