



TSS Primary Science MTP 2022-2023 Year 4 Block 2 – Biology

Key Targets and Learning Objectives		Key Activities	Equipment
<ul style="list-style-type: none">Identify some of the important bones in the human body (limited to skull, jaw, rib cage, hip, spine, leg bones and arm bones).Know that bones move because pairs of muscles that are attached to them contract and relax.Describe some important functions of skeletons (limited to protecting and supporting organs, enabling movement and give shape to the body).Know that some animals have an exoskeleton.Identify vertebrates as animals with a backbone and invertebrates as animals without a backbone.Know that plants and animals can have infectious diseases, and vaccinations can prevent some infectious diseases of animals.Know that plants and animals need energy to grow, live and be healthy, and plants get their energy from light while animals get their energy from eating plants or other animals.Know that different animals are found in, and suited to, different habitats.Describe food chains as being made of producers and consumers, and classify consumers as herbivores, omnivores, carnivores, predators and/or prey.Use secondary information sources to research and answer a question. (WS)		<p>Lesson 1 – Identify bones and describe the functions of skeletons</p> <p>Lesson 2 – Make a model of an arm. Know that bones move because pairs of muscles contract and relax.</p> <p>Lesson 3 – Identify animals that are vertebrate and invertebrates, using identification keys.</p> <p>Lesson 4 – Recap on what makes something 'living'. Know where trees and animals get their energy from and know that animals need to move to be healthy.</p> <p>Lesson 5 – Research where animals are found around the world and how they have adapted to their habitat.</p> <p>Lesson 6 – sorting activity – place animals as herbivores, omnivores, carnivores, predators and/or prey. Describe their place in food chains.</p> <p>STEAM activity – build or make a nest (or another habitat for a small animal). Walk around school, collecting small twigs etc and use other materials to build a nest.</p>	<ul style="list-style-type: none">CardBalloonsButterfly clipsIdentification keysFood chainsLoop cards
Key vocabulary	Going Green Link	Integration of technology	



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Biology, skeleton, bones, muscles, contract, relax, pairs, vertebrates, in vertebrates, endoskeleton, exoskeleton, adapt, habitat	- Look at how climate change and global warming is affecting life on earth	- iPads for use in research	
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