



TSS Primary Science MTP 2022-2023 Year 5 Block 2 – Biology

Key Targets and Learning Objectives	Key Activities	Equipment
<ul style="list-style-type: none"> • Know that not all plants produce flowers • Identify the parts of a flower (limited to petals, sepals, anthers, filaments, stamens, stigma, style, carpel, and ovary) • Describe the functions of the parts of a flower (limited to petals, anthers, stigma and ovary) • Describe the human digestive system, including the functions of the organs involved (limited to mouth, oesophagus, stomach, small intestine, large intestine and anus), and know that many vertebrates have a similar digestive system • Know that animals, including humans, need an adequate, balanced diet in order to be healthy • Know the stages in the life cycle of a flowering plant • Describe how flowering plants reproduce by pollination, fruit and seed production, and seed dispersal • Describe seed germination and know that seeds, in general, require water and an appropriate temperature to germinate • Describe how plants and animals are adapted to environments that are hot, cold, wet and/or dry • Describe how flowering plants are adapted to attract pollinators and promote seed dispersal • Describe the common adaptations of predator and prey animals • Use a range of secondary information sources to research and select relevant evidence to answer questions (WS) • Collect and record observations and/or measurements in tables and diagrams appropriate to the type of scientific enquiry (WS) 	<ul style="list-style-type: none"> • Lesson 1 - Diagnostic test. Activity – dissecting a flower and naming the different parts. Homework: research the functions of a plant. • Lesson 2 – Describe the functions of a plant. Complete a life cycle of a plant. Set up growing activity – what seeds need to grow. Homework – look into seed dispersal. • Lesson 3 – look at the different ways plants reproduce through seed dispersal. https://cdn.cyfoethnaturiol.cymru/media/686793/activities-and-games-seed-dispersal.pdf Homework – send seeds home for chn to grow a plant. / healthy eating task • Lesson 4 – Sorting foods into food groups. Look at amount of sugar in different drinks / foods. Homework – create a graph of findings. • Lesson 5 – How animals have adapted to their environments. Homework – research a habitat to decide which type of animal should live there. • Lesson 6 – Design their own creature, either predator or prey, and explain why it is suited to its habitat. Homework – quiz. • End of unit test. • STEM activity – build a boat. Allow enough time to research and design their own. Second lesson focus on building, testing and then presenting their work. 	<ul style="list-style-type: none"> • Flowers • Laminating pouch • Food cards • iPads • various materials for STEM
Key vocabulary	Going Green Link	Integration of technology



TSS Primary Science MTP 2022-2023
Year 5 Block 2 – Biology

Biology, petals, anthers, stigma, ovary, pollination, reproduce, dispersal, diet, predator, prey, adapt.	Look at how global warming and climate change are affecting life on the planet	iPads for research and presenting their findings	
--	--	--	--