



TSS Primary Science MTP 2022-2023

Year 3 Block 5 – Biology

Key Targets and Learning Objectives	Key Activities	Equipment
<p>Structures and Functions</p> <ul style="list-style-type: none">• 3Bs.01 Describe the function of the major parts of flowering plants (limited to roots, leaves, stems and flowers).• 3Bs.02 Identify the distinguishing features of different groups of animals, including fish, reptiles, mammals, birds, amphibians and insects.• 3Bs.03 Identify some of the important organs in humans (limited to brain, heart, stomach, intestine and lungs) and describe their functions. <p>Life Processes</p> <ul style="list-style-type: none">• 3Bp.01 Describe differences between things that are living, that were once alive and that have never lived.• 3Bp.02 Know that life processes common to plants and animals include nutrition, growth, movement and reproduction.• 3Bp.03 Know that plants need appropriate conditions, including temperature, light and water, to be healthy.	<ul style="list-style-type: none">• Suggested teaching order: blue, red, green, grey.• Make a model plant:• Use materials to make a model plant with a flower, stem, roots and leaves. Label the model, and accompany with a short paragraph explaining how water enters and is transported around the plant.• Create cards with animal pictures on them, identify and sort animals into correct groups on a shared table or poster to display.• Exercise and heart rate:• Time heartbeats per minute sitting down, run on the spot for 1 min. Time again to observe the difference.• Make a poster grouping things that are alive, once alive but now dead, not alive.• Celery/cabbage in coloured water. Observe the movement of water over 2 days and draw a conclusion as to why this result has occurred.• Create a life cycle of a human or chosen animal.• Use the information found in the video to discuss the food chains of some of the animals mentioned. Discuss how parts are connected and how making one change can impact many different animals.	<ul style="list-style-type: none">• Textbook Pp. 10-14• Activity book pp. 7-9• Paper, card, a straw, string, glue, sticky tape.• Textbook Pp. 101-103• Activity book pg. 49• Paper/cards, pencils• Textbook Pp. 91-100• Activity book pp. 46 – 48• Stopwatch• Textbook Pp. 2-9• Activity book pp. 2-6• Post backing, pencils/items, glue, paper plates• Textbook Pp. 17-31• Activity book pp. 10-16



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<ul style="list-style-type: none"> • 3Bp.04 Describe and compare how the offspring of different animals grow into adults, including humans, birds, frogs and butterflies. <p>Ecosystems</p> <ul style="list-style-type: none"> • 3Be.01 Identify and describe simple food chains, where plants are producers and animals are consumers of plants and/or other animals. 		<ul style="list-style-type: none"> • Celery or cabbage leaves, containers, food colouring. • Textbook Pp. 104-108 • Activity book pp. 49-52 • Paper, pencils • Textbook Pp. 109-114 • Activity book pp. 53-57 • Youtube (How wolves changes Yellowstone national park). • https://www.youtube.com/watch?v=gc52I5ZcAJ0
Key vocabulary	Going Green Link	Integration of technology
<ul style="list-style-type: none"> • See orange blocks at the beginning of each chapter. 	<ul style="list-style-type: none"> ○ Importance of growing plants and their importance in the ecosystem. Link with eco club in school. 	<ul style="list-style-type: none"> • Students can use the internet to research different animals and the food they eat. • Youtube = wolves in yellowstone



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