

YEAR 4 – LIFE SCIENCE

Topics of Study by Term

AUTUMN	SPRING	SUMMER
<u>ECOLOGY</u>	<u>HUMAN BIOLOGY</u>	<u>TEETH</u>
<ul style="list-style-type: none"> • Insects – variety, anatomical features, life cycle of insects. • Flowering plants-anatomy, pollination, seed formation, methods of seed dispersal, seed collection sorted. • Fungi- anatomy and reproduction, types of fungi observed- class go foraging. • Spiders-structure compared to insect, main types, how they feed/trap prey, life cycle of the spider, types of webs (orb, tunnel, and hammock), and spider research to create a fact file. 	<ul style="list-style-type: none"> • Skeleton-function, name and locate major bones, joint types, bone facts. • Muscles- function, muscles work in pairs, name key muscles, reflex action and central nervous system. • Digestion-name and locate major digestive organs, explain function of each organ and describe process of digestion in detail. • Heart and circulatory system-structure and function, types of blood vessels. • Breathing-how we breathe and the exchange of gases, basic structure of the respiratory system, measure lung capacity. • A fair test to show exercise increases breathing rate and heart rate. • Illustrated research project on a body organ. 	<ul style="list-style-type: none"> • Tooth structure and associated vocabulary. • Identify types of teeth and their function - link to carnivores, omnivores and herbivores. • Process of tooth decay. • Factors causing tooth decay- Teeth decay experiments to show affect of fluoride and sugar. • Identify safe/unsafe snacks. • Create a fact file of interesting information about teeth.