


YEAR 3 SCIENCE CURRICULUM

	<p>hardness, reaction, bar chart, pictogram, data, increase, decrease, prediction, dissection, scales, filter paper, filter funnel, measuring cylinder, thermometer, conclusion, evaluation, data, volume, decibel, meter, stopwatch, beaker, temperature, Petri dish, block chart, bar graph, classifying, classification key</p>	<p>Exposure words fair test, identify, group and classify, model, modelling, investigate, changed, measured, stayed the same, millimetres, millilitres, data logger, tape measure, features, scientists, diagram, sorting diagram, block diagram, distance, results</p>
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3	Autumn 1	Autumn 2		Spring 1
	Skeletons and movement	Nutrition and diet	Rocks	Fossils and soils
Key Learning	<p>Can I identify and name bones? What are the functions of the skeleton? Can I identify and name bones in different animals? Can I name animals with and without a spine? Are all skeletons the same? What are joints? How do we move?</p>	<p>What are food groups? Do I know the 5 different food groups? Why do we need a balanced diet? Can I compare diets? Do all animals have the same diet?</p>	<p>Can I identify rocks? Can I group rocks? Can I test rocks? Can I carry out a local rock survey?</p>	<p>Can I explore fossils? How are fossils formed? Can I explore soils? Why is soil important?</p>
Skills	<p>Ask questions Gather, record and classify data Present findings Answer questions and make conclusions</p>	<p>Gather, record and classify data Present findings Ask questions</p>	<p>Make observations Gather, record and classify data</p>	<p>Ask questions Present findings Gather and classify data Take measurements Answer questions and make conclusions</p>
Vocabulary	<p>skeleton, skull, ribcage, pelvis, femur, spine, antennae, exoskeleton, joint, hinge joint, ball-and-socket joint, muscle, biceps, triceps, contract, relax</p>	<p>carbohydrates, proteins, dairy products, fats, fruit and vegetables, balanced diet, balanced meal, nutrition, Eatwell Guide, vegan diet, vegetarian diet, omnivorous diet, pescatarian diet</p>	<p>granite, pumice, sandstone, chalk, marble, gneiss, crystals, grains, layers, texture, hardness, weathering, fossil, shell, fossilisation, sediment, sandy soil, clay soil, peat soil, chalky soil, organic matter, nutrients, deforestation, habitat loss</p>	

YEAR 3 SCIENCE CURRICULUM

3	Spring 2	Summer 1	Summer 2	
	Light	Plants	Forces	Magnets
Key Questions	What are light sources? Why is the sun important? How do we see? What causes shadows? What is opaque, translucent and transparent?	What are the parts of a plant and their function? Can I dissect a plant? What do plants need for healthy growth? What is the stem and how is water transported? What is a seed? What parts of a plant help it reproduce? What is pollination? How are seeds dispersed? What is a life cycle of a plant?	Can I explore forces? What is friction?	What is a magnet? Which materials are magnetic and non-magnetic? What is the north pole and south pole on a magnet?
Skills	Make observations Gather, record and classify data Ask questions Plan Answer questions and make conclusions	Answer questions and make conclusions Gather, record and classify data Ask questions Plan Make observations Present findings	Make observations Answer questions and make conclusions Plan Present findings	
Vocabulary	light sources, natural light sources, artificial light sources, Sun, sunglasses, protect, reflection, shadow	water transportation, seedling, seed coating, germination, stamen, pistil, pollen, reproductive organs, pollination, pollinators, wind dispersal, animal dispersal, water dispersal, explosion dispersal, seed dispersal	push, pull, force, contact force, friction, magnet, magnetic, poles, magnetic force, non-metal, iron, aluminum, steel, attract, repel	
	