

Science Long Term Plan



Year	Autumn Term		Spring Term		Summer Term	
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Y1 objectives -Human sense organs -Identifying the 5 vertebrate groups -Identifying herbivores, carnivores and omnivores	Animals incl. humans		Everyday materials -Properties of wood, plastics, glass, metal, water and rock		Plants -naming plants and trees -structure of plants / trees	Seasonal changes -The 4 Seasons -Seasonal weather -Seasonal day length
Seasonal changes (to run over the year and culminate in full coverage in Summer Term 6)						
Y2 objectives <ul style="list-style-type: none"> Animal offspring The basic needs of animals Human health – diet, exercise and hygiene 	Animals incl. humans		Uses of everyday materials <ul style="list-style-type: none"> Properties and uses of materials. Changing the shape of solid objects 		Plants <ul style="list-style-type: none"> Seeds and bulbs. The need for water, light and warmth 	Living things & Habitat <ul style="list-style-type: none"> Living, dead & non-living Habitats Simple food chains
Y3/4 CYCLE A 2020-2021 <ul style="list-style-type: none"> Human nutrition Skeletons & muscles 	Animals incl. humans	Light <ul style="list-style-type: none"> Seeing things Eye protection Reflections Shadows 	Rocks <ul style="list-style-type: none"> Types of rock Fossils The soil 	Forces & Magnets <ul style="list-style-type: none"> Friction Magnets & magnetic forces 	Animals incl. humans <ul style="list-style-type: none"> The digestive system Teeth Food chains 	Living things & Habitat <ul style="list-style-type: none"> Grouping living things Classification keys Changing environments
Y3/4 CYCLE B 2021-2022 <ul style="list-style-type: none"> Vibrations and sources of sound Pitch patterns Volume patterns 	Sound	Electricity <ul style="list-style-type: none"> Appliances Insulators & conductors Single loop (series) circuits Switches, lights, buzzers 	States of Matter <ul style="list-style-type: none"> Solids, Liquids & Gases Changing state with temperature The Water Cycle 		Plants <ul style="list-style-type: none"> Structure & function Plant growth & reproduction Water transport 	
Y5/6 CYCLE A 2020-2021 <ul style="list-style-type: none"> The circulatory system Transportation of nutrients in the body Healthy bodies 	Animals incl. humans	Earth in Space <ul style="list-style-type: none"> Heliocentric model Moon's orbit Day and night 	Properties and Changes of materials <ul style="list-style-type: none"> Dissolving, separating, filtering, evaporating Reversible / irreversible changes Properties of materials 		Electricity <ul style="list-style-type: none"> Voltage Symbols switches 	Living things & habitat <ul style="list-style-type: none"> Classification system
Y5/6 CYCLE B 2021-2022 <ul style="list-style-type: none"> Fossils Offspring and variation Adaptation and evolution 	Evolution	Light <ul style="list-style-type: none"> How we see Reflections Shadows 	Forces <ul style="list-style-type: none"> Gravity Friction Levers, gears and pulleys 		Living things & habitat <ul style="list-style-type: none"> Life cycles Reproduction in plants and animals 	Animals incl. humans <ul style="list-style-type: none"> Changes in humans

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