

Science – Long Term Roadmaps

Enquiry Types: Observation Over Time, Comparative Tests, Secondary Research, Identifying, Grouping & Classifying, Pattern Seeking, Problem Solving (+ Fair Tests at KS2) embedded in exploring all units.

Order of Units may change to allow links with topics when appropriate. “Our Changing World” unit encourages on-going exploration.

Year 1

Our Changing World	Everyday materials	Using our Senses	Looking at Animals	Plant Detectives
Exploring Seasonal Change <ul style="list-style-type: none"> • day length • plants & animal in school grounds 	naming and exploring materials and objects	exploring our world through different senses	thinking about similarities and differences	Observing plants in the local area

Year 2

Our Changing World	Apprentice Gardener	What is your habitat?	Materials: Good Choices	Materials: Shaping Up	Take Care	Growing Up
Linked to living things in their habitats	growing seeds germination	linking living thing to where they live	Choosing materials for a task depending on their properties	Changing the shapes of different materials	Keeping safe & healthy	Babies into children

Year 3

Our Changing World	How does your Garden grow?	Rock Detectives	Can you See me?	Power of Forces	Amazing Bodies
Plant Parts: How flowers, leaves and seeds change	Plant parts & their functions	types of rock fossils	light & shadows	magnets & friction	survival, muscles & skeletal system

Year 4

Our Changing World	In a State	Good vibrations	Switched on	Where does all that food go?	Human Impact	Who am I?
classifying trees by their leaves	changes of state	sound	electricity - making circuits/conductivity	digestive system	impact on the environment	grouping animals as vertebrates and invertebrates

Year 5

Our Changing World	Circle of Life & Reproduction	Get Sorted	Everyday Materials	Marvellous Mixtures	Earth & Beyond	Feel the Force!
Plant reproduction in action	Plant and animal lifecycles and reproduction	Grouping and classifying by properties	Choice of material for different uses	Mixing & Separating	Days, Years, Seasons movement of Earth & moon relative to sun	Air & Water resistance Gravity

Year 6

Our Changing World	Body Health	Nature's Library	Danger - Low voltage	Body Pump	Everything Changes	Light up your World	All Change!
Animal behaviour - lifecycles in action	Importance of water, nutrition, diet, drugs & exercise	Classification of living things Timeline of Classification Carl Linneaus	Application of electrical circuits in different contexts Electricity generation Timeline of Electricity Climate Change	Heart, Blood & the circulation system	Inheritance, adaptation, selective breeding & evolution	How light moves how we see reflection & refraction Ibn Al-Haytham	Reversible & Irreversible Changes