

Long Term Overview of the Programme of Education

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Chemistry Materials and Matter	Biology - Animal Survival	Physics Light and Sound	Biology - Plant	Physics Magnetism and electricity	Biology - Human
EYFS	Floating, sinking, bending, stretching and cutting	Animals we know and love	Banging, rattling, shining and flashing	Plants we eat, play with and like Snack time	metal and non-metal	What can our bodies do?
Year 1	Compare everyday materials and everyday objects	What do different animals eat? How do some eat nothing for so long when they hibernate?	Grouping and sorting Sources of Light: things that reflect shine and give light. Sources of sound	Plants and Trees in Whittlesey Growing Plants: what do plants need to grow - cress	Magnetic compasses – finding North, East, South and West Magnets in the home: fridge magnet challenge – how much can one hold?	The Human Body
Year 2	Identify and compare uses of everyday materials for particular uses.	What do animals need to survive? Inc. healthy diet and hygiene s	Using materials to be seen and heard in the dark.	Mature Plants How seeds and bulbs grow - radish in polytunnel	Magnetic and non-magnetic material sorting and classifying	Humans have babies that grow into adults Inc .healthy diet and hygiene s
Year 3	Compare and group rocks, fossils and soils.	How does a snail's body help it survive?	Properties of sound and light: Louder and brighter	Plant life Cycle: A cactus compared to Lords and Ladies Water in Plants	Magnets and metal materials – are all metals magnetic?	Human Skeleton, muscles, nutrition
Year 4	States of matter: solids, liquids, gases - water cycle/ Changes associated with heating and cooling.	Food chains in an English garden - Which foods do birds eat the most of?	Properties of Light and Sound: Darker and Quieter	Plant classification: Aquatic plants in Fenland and environmental change	Electricity - constructing electrical circuits, exploring power in circuits.	Digestive system and Teeth
Year 5	Dissolving, mixing and changes of state are reversible changes.	How and why do animals defend a territory – Case study on the robin.	Light and Sound: The science of Emergency vehicles	Animal/Plant Reproduction Compare the life cycle of a Frog to that of the Yellow Flag Iris	electro magnetism: exploring and building electro magnetics	Humans: birth to old age
Year 6	Organic materials and microbes: some changes of state result in new materials, and are usually	Evolution and inheritance – Survival of the fittest!	Light and sound in our solar system and beyond.	Plant classification systems and approaches	Forces and Planet Earth: gravity and electromagnetic fields/ plotting electro magnetic fields.	Human circulatory system

	non-reversible -					
--	---------------------	--	--	--	--	--