

Therefore, choose

YEAR 7 SCIENCE 2023-2024

YEAR	MICHAELMAS 1	MICHAELMAS 2	LENT 1	LENT 2	TRINITY 1	TRINITY 2
7	Skills in Science	Big Idea: Organisms	Big Idea: Matter	Big Idea: Reactions	Big Idea: Earth	
	In this unit pupils will learn	Movement and Cells	Separating Mixtures	Acids and Alkalis	Earth Structure and	I
	the practical and analytical	In this unit pupils will learn	In this unit pupils will learn	In this unit pupils will learn	Universe	l
	skills needed for science	about the levels of	about solutions, how they	about how to identify that	In this unit pupils will learn	l
		organisation in organisms,	are produced, solubility of	a chemical reaction has	about the structure of the	l
	Big Idea: Matter	the structure and function	solutions and saturated	taken place, properties of	earth and the formation of	I
	Particle Model	of the skeleton, the role of	solutions. Pupils will also	acids and alkalis, the pH	sedimentary, igneous and	I
	In this unit pupils will	joints and muscles, plant	learn about how to	scale, neutralisation and	metamorphic rocks leading	I
	learns about the particle	and animal cells,	separate solutions using	making salts. Pupils will	on to the rock cycle. Pupils	I
	model, states of matter	specialised cells, diffusion	filtration, crystallisation,	also learn about properties	will also learn about the	I
	and properties, changes of	of substances in cells and	distillation and	of metals and non-metals,	solar system and our place	I
	state including melting,	unicellular organisms	chromatography.	the reactions of metals	in the universe and the	I
	freezing, boiling and			with oxygen, acids and	phenomena of day, night,	I
	evaporation, diffusion and	Big Idea: Forces	Big Idea: Energy	water, the reactivity series	seasons and the phases of	I
	gas pressure	Speed and Gravity	Energy Costs & Transfers	and displacement	the moon.	I
		In this unit pupils will learn	In this unit pupils will learn	reactions.		I
		about types of forces,	about the different energy			I
		balanced and unbalanced	stores and how energy can	Big Idea: Ecosystems		I
		forces and resultant forces.	be transferred via different	Interdependence		I
		They will also learn about	pathways, dissipation of	In this unit pupils will learn		I
		speed, distance time	energy and energy	about food chains, webs		I
		graphs, mass, weight	efficiency. Pupils will also	and what happens when		I
		gravity and orbits.	learn about energy	they are disrupted,		I
			resources, food as a fuel	ecosystems and		I
			and the ways that energy	competition within the		I
			use can be calculated in	ecosystem. Pupils will also		I
			homes.	learn about the structure		I
				and function of the parts of		I
				a flower, pollination, plant		I
				fertilisation, germination		I
				and seed dispersal.		l
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