Science learning journey

	Key concepts	Year 7	Year 8	Year 9	Year 10 & 11
Biology	Organisms	Cells & Organisation	Diet & Digestion Respiration & Breathing	Microscopy Advanced diet & digestion	Transport in cells | Transport systems | Disease Digestive system | Nervous system | Homeostasis
	Ecosystems	Ecology	Plant biology		Bioenergetics | Ecology Sustainability
	Genes	Reproduction	Classification & biomechanics	Inheritance & variation	Variation & evolution Genetics & inheritance
	Working scientifically				
Chemistry	Matter	Solubility & Separation		Atoms, elements & compounds	Bonding | The Periodic table Quantitative chemistry
	Earth	*The Earth*	Earth's resources	Electricity generation & the atmosphere	Using resources | Organic chemistry Chemistry of the atmosphere
	Reactions	Core Chemistry	Chemical reactions		Reactivity of metals | Acids & bases | Energy changes Chemical analysis | Electrochemistry | Rates
	Working scientifically				
Physics	Forces	Fundamental Forces Space science	Forces & Extension	Forces & Motion	Forces in action Acceleration | Space
	Energy	The Particle Model	Sound & light waves	Energy & Energy resources	Energy transfers | Radioactivity | Waves Particle model of matter
	Electromagnetism	*Magnetism*	Electrical circuits	Magnetism	Electrical circuits | Electromagnetism Electricity in the home
	Working scientifically				