

# The Science Department Road Story 2022-2023

		Term 1			Term 2			Term 3			Term 4			Term 5			Term 6								
Year 7	Safety and skills	Cells, tissues, organs and systems	Baseline	Separating mixtures			Forces	review and assessment	closing the gap	Acids and alkalis	Ecosystems			review and assessment	feedback re-teach gaps										
		The particle model			Sexual reproduction in animals					Atoms elements and compounds	Sound	Electricity			Earth and Space										
					Energy						Muscles and bones														
Year 8	Safety and skills	Plants and their reproduction			Unicellular Organisms			Food and nutrition			Breathing and respiration			Plant growth			review and assessment	feedback re-teach gaps							
		Energy transfers			Light			Combustion			Reactivity			Rocks				Working Scientifically							
		Metals and their uses			The periodic table			Fluids			Forces and motion			Force fields and electromagnets											
Year 9	Safety and skills	Health, Disease and the development of medicines			review and assessment + CTG	States of matter & separating mixtures			Key concepts in Biology			review and assessment + CTG	Cells and control			Key concepts in biology 2			review, assessment & feedback	feedback re-teach gaps					
		Conservation of energy				Waves			Rates of reaction				Motion			Bonding and types of substance				Groups in the periodic table					
		Atomic structure and the Periodic Table				Light and the electromagnetic spectrum																			
Year 10 combined	Bonding and types of substance			Review and assessment	feedback	Particle model/forces and matter			Fuels + atmosphere science			Review and assessment	Genetics			Calculations involving masses	Energy changes in reactions	PPE1	Forces doing work / Forces and their effects	re-teach gaps from assessment					
	Ecosystems					Photosynthesis			Forces and motion				Natural selection and genetic modification			Electricity			Radioactivity		Review				
Year 10 triple	Ecosystems			Review and assessment	feedback	Health and disease triple content			Photosynthesis			Natural selection and genetic modification			Cells/ control triple content			Genetics			Exchange and transport	feedback			
	Bonding and types of substance					Groups in the Periodic Table			Calculations involving masses			Fuels			Earth and atmosphere science			Rates of reaction and energy changes			Hydrocarbons / Alcohols and carboxylic acids	Polymers	Qualitative analysis /properties of	Closing the gap	feedback
	Astronomy					Waves triple content			Radioactivity			Motion			Electricity and circuits			Electricity and circuits			Review	Particle model	feedback		
Year 11 combined	Forces doing work/forces and their effects			Review	PPE1	Acids and alkalis			Electrolysis /products from metals/ equilibria			Review	PPE 2												
	Ecosystems					Magnetism and electromagnetic induction			Hormones																
Year 11 triple	Ecosystems and material cycles			Review	PPE1	Exchange and transport in animals			Animal coordination and control			Review	PPE 2												
	Acids and alkalis					Quantitative analysis			Metals and extraction					Extracting metals			Dynamic equilibria								
	Static Electricity	Magnetism & Motor Effect	Electromagnetic Induction			Particle Model/Forces and matter			Forces & Matter																