



## Combined Science Plan for 21/22

Year 10		
Term	Topic	Inquiry Question
Autumn	B1 Organisation	<i>How do organ systems work in plants and animals to keep them alive?</i>
	C1 Structure, Bonding and Properties of Matter	<i>Why do the different materials in the world have the properties they have?</i>
	P1 Electricity	<i>How does electricity work in circuits and in the home?</i>
	B1 Infections and Response	<i>What causes disease and how do we defend against them?</i>
	C1 Quantitative Chemistry	<i>How can we quantify chemical reactions?</i>
	B1 Bioenergetics	<i>How do organisms obtain and use energy?</i>
Spring	C1 Chemical Changes	<i>What are acids, metals and salts?</i>
	P1 Atomic Structure	<i>What is radioactivity and how dangerous is it?</i>
	C1 Energy Changes	<i>Why do some reactions feel hot and others feel cold?</i>
	B2 Homeostasis and Response	<i>How does the body control its responses and internal processes?</i>
	C2 Reaction Rate and Equilibrium	<i>How can we make chemical reactions happen faster?</i>
	P2 Forces	<i>How do objects interact and why?</i>
Summer	B2 Inheritance, Variation and Evolution (TBC)	<i>Why do we look like our parents and how did life evolve?</i>
	Revision for Summer Exams	



## Year 11

Term	Topic	Inquiry Question
Autumn	B2 Homeostasis and Response	<i>How does the body control its responses and internal processes?</i>
	C2 Reaction Rate and Equilibrium	<i>How can we make chemical reactions happen faster?</i>
	P2 Forces	<i>How do objects interact and why?</i>
	B2 Inheritance, Variation and Evolution	<i>Why do we look like our parents and how did life evolve?</i>
	C2 Organic Chemistry	<i>What do we use carbon-based molecules for and how do we make them?</i>
	C2 Chemical Analysis	<i>How can we tell which chemical is which?</i>
Spring	C2 Chemistry of the Atmosphere	<i>What is the atmosphere made up of, how are we changing it and how did it evolve?</i>
	P2 Magnetism	<i>How do magnets interact?</i>
	B2 Ecology	<i>What are the relationships between organisms in an ecosystem and what affects them?</i>
	Revision	
Summer	Revision and Exams	