

Year 9 - Combined Biology

Half-Term 1 03/09/25 - 24/10/25	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	In Year 9 Biology, students will learn about... The building blocks of the biological world and how they are organised in organisms. How these building blocks of the biological world are seen and observed. How organisms are able to grow and respond to stimuli. How genetic material is inherited and the structures it is made up of. The microorganisms that cause disease, how they are spread, and the barriers our body has to protect us from them. How organisms have changed over time and how humans can manipulate the process. How to investigate and work scientifically. ...
	Biology Transition Unit							Key Concepts in Biology	
Half-Term 2 03/11/25 - 18/12/25	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		
	Key Concepts in Biology - Cells and Microscopes		Cells and Control - Mitosis, Growth, and Stem Cells				Genetics		
Half-Term 3 06/01/26 - 13/02/26	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
	Genetics					Health and Disease			
Half-Term 4 23/02/26 - 27/03/26	Week 1	Week 2	Week 3	Week 4	Week 5				
	Health, Disease, and The Development of Medicines								
Half-Term 5 13/04/26 - 22/05/26	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
	Key Concepts in Biology - Enzymes and Transporting Substances								
Half-Term 6 01/06/26 - 17/07/26	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		
	Natural Selection	Revision		Natural Selection and Genetic Modification					
									Key Progress Check Week Key Assessment Week End of Year Exam Week

Year 9 - Combined Chemistry									
Half-Term 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	In Year 9 Chemistry, students will learn about... How particles are arranged in solids, liquids, and gases. How to separate substances depending on their properties. How ionic, covalent, and metallic substances are formed and their properties. How electrolysis is carried out and why it is used to extract some metals. How substances are classified as acids, bases, or neutral. What the pH scale is and how neutralisation reactions are carried out How to calculate the relative formula mass and empirical formula for compounds.
03/09/25 - 24/10/25	Chemistry Transition Unit							States of Matter	
Half-Term 2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		
03/11/25 - 18/12/25	States of Matter and Methods of Separating and Purifying Substances				Ionic and Covalent Bonding				
Half-Term 3	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
06/01/26 - 13/02/26	Key concepts in Chemistry - Ionic and Covalent bonding, Types of Substances					Electrolytic Processes			
Half-Term 4	Week 1	Week 2	Week 3	Week 4	Week 5				
23/02/26 - 27/03/26	Electrolytic Processes, Obtaining and Using Metals								
Half-Term 5	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
13/04/26 - 22/05/26	Acids and Alkalis								
Half-Term 6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		Key Progress Check Week Key Assessment Week End of Year Exam Week
01/06/26 - 17/07/26	Key Concepts in Chemistry - Atomic Structure and The Periodic Table			Revision		Key Concepts in Chemistry - Calculations involving Masses			

Year 9 - Combined **Physics**

Half-Term 1 03/09/25 - 24/10/25	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	In Year 9 Physics, students will learn about... How forces can affect the motion of objects. That energy in the universe is always the same but can be transferred between stores. How waves transfer energy through matter and a vacuum, and how the behaviour of waves is affected by matter. That matter in the universe is made up of small particles which undergo random decay. How the decay of atoms occurs in terms of charged particles. Our solar system as a very small part of billions of galaxies. How to investigate and work scientifically as well as how to use equations to calculate missing values.
	Transition Unit						Energy		
Half-Term 2 03/11/25 - 18/12/25	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		
	Conservation of Energy				Forces and Motion				
Half-Term 3 06/01/26 - 13/02/26	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
	Forces and Motion				Waves, Light, and the EM Spectrum				
Half-Term 4 23/02/26 - 27/03/26	Week 1	Week 2	Week 3	Week 4	Week 5				
	Waves, Light, and the EM Spectrum				Radioactivity				
Half-Term 5 13/04/26 - 22/05/26	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
	Radioactivity								
Half-Term 6 01/06/26 - 17/07/26	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		Key Progress Check Week Key Assessment Week End of Year Exam Week
	Revision			Astronomy					