

National curriculum or specification coverage

KS3 Biology: organisms, reproduction, inheritance, ecosystems

KS3 Biology: cells, body systems, inheritance, variation

B1 Cell Biology

- B1.1 Cell structure
- B1.2 Cell division
- B1.3 Transport in cells

B2 Organisation

- B2.1 Principles of organisation
- B2.2 Animal tissues, organs and organ systems

Date	Exams/ Assessments	Learning Intentions	Core Task/Assessments
31/08/26		9B8 Evolution and Natural Selection • Variation within a species comes from genetics, the environment, or both • Natural selection occurs when organisms with advantageous traits survive and reproduce more successfully than others. • Evolution is the long-term change of a species • Extinction happens when species cannot adapt to new pressures • Biodiversity can be protected through conservation strategies and gene banks	9B8 End of Unit Assessment
07/09/26			
14/09/26			
21/09/26			
28/09/26			
05/10/26			
12/10/26			
19/10/26			
26/10/26	HALF TERM		
02/11/26		9B9 Health and Disease • Health is made up of physical, mental, and social wellbeing • Diseases can be communicable or non-communicable	9B9 End of Unit Assessment
09/11/26			
16/11/26			

Year 9 Long Term Scheme of Learning 2026-2027

Subject: Biology

23/11/26		• Pathogens such as viruses, bacteria, fungi, and protists spread in different ways and cause infection.	
30/11/26		• The body defends itself using physical barriers, and white blood cells	
07/12/26		• Diseases can be prevented and treated using vaccines, antibiotics, hygiene measures, and clinical trials.	
14/12/26			
21/12/26	CHRISTMAS HOLIDAY		
28/12/26			
04/01/27		<u>B1 Cell Biology</u>	<u>Biology</u> 9HT3 Strip analysis 9HT3 Multiple choice
11/01/27	Y9	• Compare and contrast the magnification and resolution using light and electron microscopes.	
18/01/27	Y9		
25/01/27		• Rearrange the magnification formula and measure the size of cells.	
01/02/27		• Compare + Describe the functions of the parts of prokaryotic and eukaryotic cells	
08/02/27			
15/02/27	HALF TERM		
22/02/27		• Use a microscope to study cells, producing scientific drawings.	<u>Biology</u> 9HT4 Strip analysis 9HT4 Multiple choice
01/03/27		• Use orders of magnitude to compare the sizes of organisms.	
08/03/27		• Microscopy required practical	
15/03/27		• Compare the structure of a specialised and a generalised animal cell.	
22/03/27		• Describe differences between embryonic and adult stem cells.	
		• Explain why chromosomes in body cells are normally found in pairs.	
		• Describe situations where mitosis is occurring.	
		• Describe the process of mitosis.	
29/03/27	SPRING BREAK		
05/04/27			
12/04/27		• Describe how stem cells can be used to treat medical conditions.	<u>Biology</u> 9HT5 Strip analysis 9HT5 Multiple choice
19/04/27		• Explain the reasons for ethical and religious objections to use of stem cells in medicine..	
26/04/27			
03/05/27		• State the importance of diffusion, and methods of increasing diffusion	
10/05/27		<u>B2 Organisation</u>	
17/05/27		• Define the terms tissue, organ, and organ system.	
24/05/27		• Describe the functions of the organs of the digestive system.	
		• Explain how red blood cells are adapted to their function.	

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Subject: Biology

		- Explain how the structure of blood vessels relates to their function. - Describe the function of the main structures of the human heart. - Evaluate in detail a model of the lungs. - Explain in detail how the adaptations of alveoli result in efficient gas exchange. - Explain the differences between the composition of inhaled and exhaled air.	
31/05/27	HALF TERM		
07/06/27	Y9	Required Practical Activity: Food Tests How to test for sugar (Benedicts), starch (Iodine), Fat (ethanol) and protein (Biuret) Required Practical 7 – Sampling (another opportunity in Y10 Summer)	Biology 9HT6 Strip analysis 9HT6 Multiple choice
14/06/27	Y9		
21/06/27			
28/06/27			
05/07/27			
12/07/27			