

Year 1 Biology A level Scheme of Work 2025-2026 (Two Teachers)

Week beg.	T1 Content	T2 Content	Test	Practical
8/9/25	2.1.1 Microscopy and cells <i>(Flipped learning – Cell structures set as summer work)</i>	2.1.2 Biological molecules (water and Carbohydrates)	1A Induction test: Test 1	Microscopy practical work (not PAG)
15/9/25	2.1.1 Microscopy and cells	2.1.2 Biological molecules (water and Carbohydrates) <i>(Flipped learning – Biological molecules work done as summer work)</i>		(Biological molecule modelling - molymod)
22/9/25	2.1.1 Microscopy and cells	2.1.2 Biological molecules (Proteins and lipids)		**ASSESSED PRACTICAL PAG 9 OCR 9.3 Qualitative testing for biological molecules – glucose/ benedict’s test
29/9/25	2.1.1 Microscopy and cells	2.1.2 Biological molecules (lipids and proteins)		(OCR 9.1 Qualitative testing – proteins back up PAG 9)
6/10/25	2.1.3 Nucleic acids <i>(Flipped learning – DNA structure)</i>	2.1.2 Biological molecules (Inorganic ions)	Microscopy & Cell structure Test 2	
13/10/25	2.1.3 Nucleic acids	2.1.4 Enzymes <i>(Flipped learning – basic enzyme terms and function)</i>		**ASSESSED PRACTICAL PAG 4 OCR 4.2 Effect of enzyme concentration on rate of reaction
20/10/25	2.1.3 Nucleic acids	2.1.4 Enzymes	Biological molecules Test 3	
Half term (27th to 31st Oct)				
3/11/25	2.1.5 Biological membranes <i>(Flipped learning – Cell membrane structure)</i>	2.1.4 Enzymes		(OUP 3.8 DNA precipitation & Modelling)
10/11/25	2.1.5 Biological membranes	2.1.6 Cell division and diversity <i>(Flipped learning – Types of specialised cell)</i>		**ASSESSED PRACTICAL PAG 8.1 OCR 8.1 Investigating water potential of potato
17/11/25	2.1.5 Biological membranes	2.1.6 Cell division and diversity	Nucleotides and Enzymes Test 4	
24/11/25	2.1.5 Biological membranes	2.1.6 Cell division and diversity		**ASSESSED PRACTICAL PAG 5 OCR 5.1 Membrane permeability
1/12/25	2.1.5 Biological membranes	2.1.6 Cell division and diversity		
8/12/25	3.1.1 Exchange surfaces	2.1.6 Cell division and diversity		**ASSESSED PRACTICAL PAG 1 OCR 1.1 Mitosis in <i>Allium</i> sp. root tips
15/12/25	3.1.1 Exchange surfaces <i>(Flipped learning – Structure of mammalian gas exchange system)</i>	3.1.2 Transport in animals	Biological membranes & cell division and diversity Test 5	
End of Autumn term (Christmas break 18th Dec – 4th Jan)				
5/1/26	3.1.1 Exchange surfaces	3.1.2 Transport in animals		OCR 1.3: Lung structure microscopy Demo: Lung Dissection (pluck)
12/1/26	3.1.1 Exchange surfaces	3.1.2 Transport in animals <i>(Flipped learning – Structure of heart, prep for dissection)</i>		(SA:Vol in agar gel cubes) Demo: Fish gill dissection
19/1/26	3.1.1 Exchange surfaces	3.1.2 Transport in animals	Mid-year exam Test 6	
26/1/26	3.1.1 Exchange surfaces	3.1.2 Transport in animals		**ASSESSED PRACTICAL PAG 2 OCR 2.1 Dissection of the mammalian heart
2/2/26	3.1.3 Transport in plants <i>(Flipped learning – Location of xylem and</i>	3.1.2 Transport in animals		

	<i>phloem in root, stem and leaf)</i>			
9/2/26	3.1.3 Transport in plants	4.1.1 Disease and immunity		
Spring half term break (16 th – 20 th Feb)				
23/2/26	3.1.3 Transport in plants	4.1.1 Disease and immunity <i>(Flipped learning – Different diseases on spec)</i>	Gas Exchange & Animal Transport Test 7	
2/3/26	3.1.3 Transport in plants	4.1.1 Disease and immunity		Demo: OCR 5.3 Using a Potometer
9/3/26	3.1.3 Transport in plants	4.1.1 Disease and immunity		**ASSESSED PRACTICAL PAG 2 OCR 2.2 Dissection of a stem
16/3/26	4.2.2 Classification & Evolution	4.1.1 Disease and immunity		(OCR 1.2 Prepared blood smear slides)
23/3/26	4.2.2 Classification & Evolution <i>(Flipped learning – Adaptations)</i>	4.2.1 Biodiversity and statistics		
Easter Break (27 th Mar to 10 th April)				
13/4/26	4.2.2 Classification & Evolution	4.2.1 Biodiversity and statistics	Transport in plants & Disease and immunity Test 8	Maggot practical – Chi squared
20/4/26	4.2.2 Classification & Evolution	4.2.1 Biodiversity and statistics <i>(Flipped learning – Conservation agreements)</i>		(OCR 1.2 Prepared blood smear slides)
27/4/26	4.2.2 Classification & Evolution	4.2.1 Biodiversity and statistics		
4/5/26	6.3.1 Ecosystems	6.3.2 Populations		
11/5/26	1A study leave/transfer exams			
18/5/26	1A study leave/transfer exams			
Half term (25 th – 29 th May)				
1/6/26	1A WEX week?			
8/6/26	6.3.1 Ecosystems	6.3.2 Populations		
15/6/26	6.3.1 Ecosystems <i>(Flipped learning – Carbon cycle)</i>	6.3.2 Populations	Biodiversity, evolution and classification test Test 9	
22/6/26	6.3.1 Ecosystems	6.3.2 Populations		OCR Bear Island game
29/6/26	6.3.1 Ecosystems	6.3.2 Populations <i>(Flipped learning – Sustainable timber and fishing)</i>		
6/7/26	6.3.1 Ecosystems	6.3.2 Populations		
End of summer term for 1A students Thursday 9 th July				

Flipped learning opportunities in bold/italics - Students set structured work/research, e.g. to make flashcards, poster, complete the study guide pages, research part to feedback to group etc. Then in class time assess knowledge and practice application (but no need to re-teach this part).