Year 1 Biology A level Scheme of Work 2025-26 (Single Teacher)

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

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