Year 2 Biology A Level Scheme of Work 2025-26

Week beg.	Content	Test	Practical
8/9/25	5.1.3 Neuronal communication ***(Flipped learning – structure of different types of neurone)***	**Induction Test: Test 1**	
15/9/25	5.1.3 Neuronal communication	Ecosystems, populations and Statistics **Test 2**	****ASSESSED PRACTICAL PAG 11** OCR 11.2 Investigation into heart rate changes in Daphnia in response to environmental change
22/9/25	5.1.5 Neurology/animal responses g, h, I k, l)		
29/9/25	5.1.1 Homeostasis (temperature control) ***(Flipped learning – Thermoregulation)***		
6/10/25	5.1.4 Hormonal regulation (animal responses j-k)		Histology of pancreas microscope slides
13/10/25	5.1.5 Plant responses (a-f)	Neurology **Test 3**	
20/10/25	5.1.5 Plant responses / 5.1.2 Excretion (liver) ***(Flipped learning – Commercial uses of plant hormones)*** ***Plant responses (+ PS) research/ presentation task – Greenhouse Sussex**		
Half term (27th to 31st Oct)			
10/11/25	5.1.2 Excretion (Liver/kidney) ***(Flipped learning – structure of kidney)***		Microscopy of pre-prepped liver slides
17/11/25	5.1.2 Excretion (Kidney)	Hormones, homeostasis & Plant responses **Test 4**	Microscopy of pre-prepped kidney slides
24/11/25	5.1.2 Excretion (Kidney) / 5.2.1 Photosynthesis		
1/12/25	5.2.1 Photosynthesis ***(Flipped learning – Limiting factors of photosynthesis)***		****ASSESSED PRACTICAL PAG 6** OCR 6.3 Investigation using thin layer chromatography to separate photosynthetic pigments
8/12/25	5.2.1 Photosynthesis	Excretion **Test 5**	**Research/referencing/planning** photosynthesis experiment exercise
15/12/25	5.2.2 Respiration ***(Flipped learning – structure of a mitochondrion and need for respiration)***		
10/11/25	5.2.2 Respiration		
	End of Autumn term (Christmas break 18th Dec – 4th Jan)		
5/1/26	5.2.2 Respiration		****ASSESSED PRACTICAL PAG 12** OCR 12.1 Investigation into respiration rate of yeast
12/1/26	5.2.2 Respiration / 6.1.1 Cellular control ***(Flipped learning – recap of DNA and protein synthesis)***		
19/1/26	6.1.1 Cellular control	Photosynthesis & Respiration **Test 6**	****ASSESSED PRACTICAL PAG 10** OCR 10.3 measuring pH change during yoghurt practical
26/1/26	6.1.2 Patterns of inheritance ***(Flipped learning – causes and types of variation)***		
2/2/26	6.1.2 Patterns of inheritance		

9/2/26	**2A mid-year/contingency exams**		
	Spring half term break (16th – 20th Feb)		
23/2/26	6.1.2 Patterns of inheritance ***(Flipped learning – Artificial selection)***		
2/3/26	6.1.3 Manipulating genomes ***(Flipped learning – recap of DNA replication)***		(OCR 6.2 Electrophoresis of DNA - optional)
9/3/26	6.1.3 Manipulating genomes	Cellular control / inheritance **Test 7**	(PAG 10 - OCR 10.1 RASMOL - planned study)
16/3/26	6.1.3 Manipulating genomes		
23/3/26	6.2.1 Cloning and Biotechnology ***(Flipped learning – uses of microorganisms in biotechnhology)***		****ASSESSED PRACTICAL PAG 7** OCR 7.1 The effect of antibiotics on bacterial growth
	Easter Break (27th Mar to 10th April)		
13/4/26	6.2.1 Cloning and Biotechnology	Genomes, Cloning and Biotechnology **Test 8**	Immobilised enzyme practical
20/4/26	REVISION		
27/4/26	REVISION		
4/5/26	REVISION		
11/5/26	REVISION		
18/5/26	STUDY LEAVE		

KEY DATES:

H420/1 Biological processes 2 h 15 min - Thur 4th June PM (Provisional)

H420/2 Biological diversity 2 h 15 min – Friday 12th June AM (Provisional)

H420/3 Unified biology 1 h 30 min – Tuesday 16th June AM (Provisional)

Flipped learning opportunities in bold/italics - *Set students some 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).*