## Year 2 Biology A Level Scheme of Work 2025-26

S.1.3 Neuronal communication   Statistics   Statistics	Week beg.	Content	Test	Practical				
State   Stat	8/9/25	5.1.3 Neuronal communication	Induction Test: Test					
populations and Statistics  22/9/25			1					
Statistics	15/9/25	5.1.3 Neuronal communication	•					
Test 2   environmental change								
22/9/25   5.1.5 Neurology/animal responses g, h, 1 k,								
19/25	22/0/25	5 1 5 Neurology/animal responses g h lk	lest 2	environmental change				
Filipped learning — Thermoregulation   Animal responses   Filipped learning — Commercial uses of plant hormones;   Filipped learning — Commercial (liver)   Filipped learning — Structure of a photosynthesis   Filipped learning — Limiting factors of photosynthesis   Filipped learning — Structure of a mitochondrion and need for respiration   Filipped learning — Structure of a mitochondrion and need for respiration   Filipped learning — Structure of a mitochondrion and need for respiration   Filipped learning — Structure of a mitochondrion and need for respiration   Filipped learning — Structure of a mitochondrion and need for respiration   Filipped learning — Structure of a mitochondrion and need for respiration   Filipped learning — structure of a mitochondrion and need for respiration   Filipped learning — recap of DNA and protein synthesis   Filipped Learning — recap of DNA and Protein synthesis   Filipped Learning — recap of DNA and Protein synth		l)						
13/10/25   5.1.5 Plant responses (a-f)   Neurology   Test 3	29/9/25							
13/10/25   5.1.5 Plant responses (a-f)   Neurology Test 3	6/10/25			Histology of pancreas microscope slides				
20/10/25								
20/10/25  5.1.5 Plant responses / 5.1.2 Excretion (liver)  (Filipped learning — Commercial uses of plant hormones)  *Plant responses (* PF) research/ presentation task — Greenhouse Sussex  Half term (27th to 31st Oct)  10/11/25  5.1.2 Excretion (Liver/kidney)  17/11/25  5.1.2 Excretion (Kidney)  Filipped learning — structure of kidney)  17/11/25  5.1.2 Excretion (Kidney)  Filipped learning — Structure of kidney)  17/11/25  5.1.2 Excretion (Kidney) — Hormones, homeostasis & Plant responses Test 4  24/11/25  5.1.2 Excretion (Kidney) / 5.2.1  Photosynthesis  1/12/25  5.2.1 Photosynthesis  (Filipped learning — Limiting factors of photosynthesis    Social Photosynthesis   Excretion	13/10/25	5.1.5 Plant responses (a-f)						
(Flipped learning – Commercial uses of plant hormones) *Plant responses (+ PS) research/presentation task – Greenhouse Sussex  Half term (27th to 31th Oct)  10/11/25	20/10/25	E 1 E Diant responses / E 1 2 Everation	lest 3					
CFlipped learning - Commercial uses of plant hormones)   *Plant responses (P *Ps) research/    presentation task - Greenhouse Sussex	20/10/25	•						
#Plant responses (+ PS) research/ presentation task – Greenhouse Sussex  #Ill term (27th to 31th Oct)  10/11/25		, ,						
*Plant responses (+ PS) research/ presentation task – Greenhouse Sussex  Half term (27th to 31st Oct)  5.1.2 Excretion (Liver/kidney)  [Filipped learning – structure of kidney)  17/11/25  5.1.2 Excretion (Kidney)  17/11/25  5.1.2 Excretion (Kidney)  Hormones, homeostasis & Plant responses Test 4  24/11/25  5.1.2 Excretion (Kidney) / 5.2.1  Photosynthesis  1/12/25  5.2.1 Photosynthesis  [Filipped learning – Limiting factors of photosynthesis]  8/12/25  5.2.1 Photosynthesis  8/12/25  5.2.2 Respiration  [Filipped learning – structure of a mitochondrion and need for respiration)  10/11/25  5.2.2 Respiration  10/11/25  5.2.2 Respiration  Find of Autumn term (Christmas break 18th Dec – 4th Jan)  5/1/26  5.2.2 Respiration / 5.1.1 Cellular control  (Filipped learning – recap of DNA and protein synthesis)  19/1/26  6.1.1 Cellular control  Photosynthesis & Respiration And yoghurt practical  Photosynthesis & Paractical PAG 10  OCR 10.3 measuring pH change during yoghurt practical								
Half term (27th to 31st Oct)  5.1.2 Excretion (Liver/kidney)  17/11/25  5.1.2 Excretion (Kidney)  5.1.2 Excretion (Kidney)  17/11/25  5.1.2 Excretion (Kidney)  17/11/25  5.1.2 Excretion (Kidney)  17/11/25  5.1.2 Excretion (Kidney) / 5.2.1 Photosynthesis  1/12/25  5.1.2 Excretion (Kidney) / 5.2.1 Photosynthesis  (Flipped learning – Limiting factors of photosynthesis)  8/12/25  5.2.1 Photosynthesis  8/12/25  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)  **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 & **ASSESSED PRACTICAL PAG 10 OCR 10.3 measuring pH change during yoghurt practical		-						
10/11/25		presentation task – Greenhouse Sussex						
17/11/25   5.1.2 Excretion (Kidney)   Hormones, homeostasis & Plant responses Test 4			27 <sup>th</sup> to 31 <sup>st</sup> Oct)					
17/11/25  5.1.2 Excretion (Kidney)  Hormones, homeostasis & Plant responses Test 4  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)  8/12/25  5.2.1 Photosynthesis  Excretion Fest 5  15/12/25  5.2.2 Respiration (Flipped learning – structure of a mitochondrion and need for respiration)  5/1/26  5.2.2 Respiration  Find of Autumn term (Christmas break 18th Dec – 4th Jan)  5/1/26  5.2.2 Respiration  Find of Autumn term (Christmas break 18th Dec – 4th Jan)  5/1/26  5.2.2 Respiration  Find of Autumn term (Christmas break 18th Dec – 4th Jan)  5/1/26  5.2.2 Respiration  Find of Autumn term (Christmas break 18th Dec – 4th Jan)  5/1/26  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  OCR 10.3 measuring pH change during yoghurt practical	10/11/25			Microscopy of pre-prepped liver slides				
homeostasis & Plant responses  Test 4  24/11/25	47/44/25							
Plant responses Test 4  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)  8/12/25  5.2.1 Photosynthesis  8/12/25  5.2.1 Photosynthesis  Excretion Test 5  15/12/25  5.2.2 Respiration (Flipped learning – structure of a mitochondrion and need for respiration)  5.2.2 Respiration  End of Autumn term (Christmas break 18th Dec – 4th Jan)  5/1/26  5.2.2 Respiration  5/1/26  5.2.2 Respiration  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  Photosynthesis & **ASSESSED PRACTICAL PAG 10 OCR 10.3 measuring pH change during yoghurt practical	1//11/25	5.1.2 Excretion (Kidney)	, and the second	Microscopy of pre-prepped kidney slides				
Test 4  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)  8/12/25  5.2.1 Photosynthesis  8/12/25  5.2.2 Respiration (Flipped learning – structure of a mitochondrion and need for respiration)  5/1/26  5.2.2 Respiration  10/11/25  5.2.2 Respiration  (Flipped learning – structure of a mitochondrion and need for respiration)  5/1/26  5.2.2 Respiration  12/1/26  5.2.2 Respiration  6/1/26  6.1.1 Cellular control (Flipped learning – recap of DNA and protein synthesis)  19/1/26  6.1.1 Cellular control Research/referencing/planning Photosynthesis experiment exercise  18th Dec – 4th Jan)  **ASSESSED PRACTICAL PAG 12 OCR 12.1 Investigation into respiration rate of yeast  12/1/26  6.1.1 Cellular control (Flipped learning – recap of DNA and protein synthesis)  19/1/26  6.1.2 Patterns of inheritance								
24/11/25  5.1.2 Excretion (Kidney) / 5.2.1 Photosynthesis  1/12/25  5.2.1 Photosynthesis  8/12/25  5.2.1 Photosynthesis  8/12/25  5.2.1 Photosynthesis  Excretion Test 5  Formatiography to separate photosynthetic pigments  8/12/25  5.2.2 Respiration  (Flipped learning – structure of a mitochondrion and need for respiration)  5/1/26  5.2.2 Respiration  Find of Autumn term (Christmas break 18th Dec – 4th Jan)  5/1/26  5.2.2 Respiration  5/1/26  5.2.2 Respiration  5/1/26  5.2.2 Respiration  Find of Autumn term (Christmas break 18th Dec – 4th Jan)  6/1/26			· ·					
Photosynthesis  1/12/25	24/11/25	5.1.2 Excretion (Kidney) / 5.2.1	10001					
(Flipped learning – Limiting factors of photosynthesis)  8/12/25  5.2.1 Photosynthesis  Excretion Test 5  15/12/25  5.2.2 Respiration (Flipped learning – structure of a mitochondrion and need for respiration)  5/1/26  5.2.2 Respiration  Find of Autumn term (Christmas break 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)  5/1/26  5.2.2 Respiration  12/1/26  5.2.2 Respiration  Find of Autumn term (Christmas break 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)  5/1/26  5.2.2 Respiration  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 Research/referencing/planning Photosynthesis & **ASSESSED PRACTICAL PAG 12 OCR 12.1 Investigation into respiration rate of yeast  **ASSESSED PRACTICAL PAG 10 OCR 10.3 measuring PH change during yoghurt practical								
##ASSESSED PRACTICAL PAG 12  19/1/26  5.2.2 Respiration  End of Autumn term (Christmas break 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)  5/1/26  5.2.2 Respiration  End of Autumn term (Christmas break 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)  5/1/26  5.2.2 Respiration  10/11/25  5.2.2 Respiration  End of Autumn term (Christmas break 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)  5/1/26  5.2.2 Respiration  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  Photosynthesis & **ASSESSED PRACTICAL PAG 10  OCR 10.3 measuring pH change during yoghurt practical	1/12/25	5.2.1 Photosynthesis		**ASSESSED PRACTICAL PAG 6				
8/12/25		(Flipped learning – Limiting factors of		OCR 6.3 Investigation using thin layer				
8/12/25		photosynthesis)						
Test 5 photosynthesis experiment exercise  15/12/25	0/42/25	5.2.4 Bloods and have	F					
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 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)  5/1/26  5.2.2 Respiration  5/1/26  5.2.2 Respiration  2/1/26  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 Respiration Photosynthesis & **ASSESSED PRACTICAL PAG 10 OCR 12.1 Investigation into respiration rate of yeast  2/1/26  6.1.2 Patterns of inheritance	8/12/25	5.2.1 Photosynthesis						
(Flipped learning – structure of a mitochondrion and need for respiration)  10/11/25 5.2.2 Respiration  End of Autumn term (Christmas break 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)  5/1/26 5.2.2 Respiration  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 Respiration CR 12.1 Investigation into respiration rate of yeast  **ASSESSED PRACTICAL PAG 12 OCR 12.1 Investigation into respiration rate of yeast  **ASSESSED PRACTICAL PAG 10 OCR 10.3 measuring pH change during yoghurt practical	15/12/25	5.2.2 Respiration	lest 5	photosynthesis experiment exercise				
mitochondrion and need for respiration)  10/11/25	13/12/23	•						
10/11/25 5.2.2 Respiration  End of Autumn term (Christmas break 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)  5/1/26 5.2.2 Respiration  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 Respiration Test 6  26/1/26 6.1.2 Patterns of inheritance								
5/1/26 5.2.2 Respiration  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 Respiration Test 6  26/1/26 6.1.2 Patterns of inheritance  **ASSESSED PRACTICAL PAG 12 OCR 12.1 Investigation into respiration rate of yeast  **ASSESSED PRACTICAL PAG 10 OCR 10.3 measuring pH change during yoghurt practical	10/11/25							
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 & **ASSESSED PRACTICAL PAG 10 Respiration Test 6 OCR 12.1 Investigation into respiration rate of yeast  **ASSESSED PRACTICAL PAG 10 OCR 10.3 measuring pH change during yoghurt practical	-	·	erm (Christmas break	Christmas break 18 <sup>th</sup> Dec – 4 <sup>th</sup> Jan)				
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 & **ASSESSED PRACTICAL PAG 10 Respiration OCR 10.3 measuring pH change during yoghurt practical  26/1/26 6.1.2 Patterns of inheritance	5/1/26	5.2.2 Respiration		**ASSESSED PRACTICAL PAG 12				
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 OCR 10.3 measuring pH change during yoghurt practical  26/1/26 6.1.2 Patterns of inheritance								
protein synthesis)  19/1/26 6.1.1 Cellular control Respiration Test 6  26/1/26 6.1.2 Patterns of inheritance  Photosynthesis & **ASSESSED PRACTICAL PAG 10 OCR 10.3 measuring pH change during yoghurt practical	12/1/26	5.2.2 Respiration / 6.1.1 Cellular control		•				
19/1/26 6.1.1 Cellular control Photosynthesis & **ASSESSED PRACTICAL PAG 10 Respiration OCR 10.3 measuring pH change during yoghurt practical  26/1/26 6.1.2 Patterns of inheritance								
Respiration OCR 10.3 measuring pH change during yoghurt practical  26/1/26 6.1.2 Patterns of inheritance	19/1/26		Photosynthesis &	**ASSESSED PRACTICAL PAG 10				
Test 6 yoghurt practical 26/1/26 6.1.2 Patterns of inheritance	, <b>-</b> , - <b>-</b>		•					
26/1/26 6.1.2 Patterns of inheritance			•					
	26/1/26	6.1.2 Patterns of inheritance		<u> </u>				
	, _,							
variation)								
2/2/26 6.1.2 Patterns of inheritance	2/2/26	6.1.2 Patterns of inheritance						

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

H420/3 Unified biology 1 h 30 min – Tuesday 16<sup>th</sup> 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).