

TIME	Mr White (2 lessons per week)	TIME	Mrs Johnson, Mrs Sutton (3 lessons per week)	TIME	Mr Bradley (1 lesson per week of Y12 recap)
8 WEEKS	3.5.1 Photosynthesis. Electron transport chain, LDR, LIDR, limiting factors	8 WEEKS	3.6.1.1 Survival taxes, kinesis, tropisms, reflexes.	8 WEEKS	Mass transport in animals review
			RP10. Investigation into the effect of an environmental variable on the movement of an animal using a choice chamber		
			3.6.1.2 Receptors, retina.		RP 12 - Visit to St Marys Lighthouse. Investigation into the effect of a named environmental factor on the distribution of a given species.
	RP7. Use of chromatography to investigate pigments isolated from the leaves of different plants - sun/shade tolerant or leaves of different colours - chromatograms				
	RP8. DCPIP chlorophyll		3.6.2.1 Nerves.		Mass transport in plants review.
7 WEEKS	3.5.2 - Respiration. Glycolysis, link reaction, Krebs cycle, Respirometers, Chemiosmosis. Anaerobic respiration	7 WEEKS	SPACE FOR ESSAY PARAGRAPH PREP	7 WEEKS	
			RP 13 - Investigation into the effect of temperature on reaction time		
			3.6.2.2 Synapses.		
			3.6.3 Muscles. Sarcomere structure, sliding filament theory, role of ATP, Ca ²⁺ and tropomyosin. Fast and slow twitch muscle fibres.		
	RP9. Investigation into the effect of a named variable on the rate of respiration of single celled organisms		SPACE FOR ESSAY PARAGRAPH PREP		Gas exchange review.

	3.6.4.2 - Control of blood glucose concentration		3.7.1 Inheritance: Monohybrid GCSE recap, co-dominance, multiple alleles, sex linked.		
XMAS		XMAS		XMAS	XMAS
6 WEEKS	3.6.4.2 - Diabetes type I/II. Kidney, control of water and glucose levels.	6 WEEKS	3.7.1 Inheritance, dihybrid cross, epistasis, autosomal linkage, Hardy Weinberg and Speciation.	6 WEEKS	Immunity review.
					RP11 Diabetes, urine, glucose
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	Y13 MOCK EXAM PERIOD		Y13 MOCK EXAM PERIOD		Y13 MOCK EXAM PERIOD
5 WEEKS	3.8.2.2 - Control of gene expression. Transcription factors, stem cells, cancer, mutations.	5 WEEKS	3.8.4. DNA technology. PCR, DNA probes, Gel electrophoresis, recombinant DNA technology, genetic fingerprinting, human genome project.	5 WEEKS	Mitosis and meiosis review.
					Digestion and absorption review.
	EASTER		EASTER		EASTER
	Paper 3 essay prep and exam paper practice		Paper 3 essay prep and exam paper practice		Exam prep. PAPER 1 2021 walkthrough
					Exam prep. PAPER 1 2022 walkthrough

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