

Year 10 Higher Trilogy GCSE 2023/2024 Calendar

Wk	Date	Topic
2B	11/09	Digestion – Definition, organs and locations of enzymes and digestion
		Digestion – Consolidation of digestion lesson 1, Bile and extended writing
3A	18/09	Digestion – Extended writing review, biochem tests revision, self-testing revision technique
4B	25/09	Digestion – Exam qs review, Features of solute exchange surface, tissues
		Osmosis – Explanation, definition
5A	02/10	Osmosis – Application scenarios
6B	09/10	Osmosis – Required Practical – Potato experiment and graph drawing
		Osmosis – Required Practical – determining water potential and explaining the graph
7A	16/10	Osmosis – Required Practical – evaluation and exam question practice
8B	30/10	Active Transport – Turtles and cyanide
		Active Transport – Diffusion and Active Transport – compare, data and challenges
9A	06/11	Assessment 1 – Respiration, Digestion, Enzymes, Metabolism, Transport in and out of Cells, Exchange
10B	13/11	Assessment 1 DIRT
		Plant Intro - Importance of photosynthesis to production of biomass and food chains. Fate of glucose review.
11A	20/11	Plant Organs, Leaf Structure, Tissues + Cells Include viewing stomata with role to obtain CO ₂
12B	27/11	Photosynthesis Including Interpreting Testing for Starch Practical
		Phloem, translocation, respiration review and growth including meristems
13A	04/12	Phloem, translocation, respiration review and growth including meristems
14B	11/12	Rate of Photosynthesis – Required Practical
		Rate of Photosynthesis – Required Practical
15A	03/01	Plant Exam Questions 1 – Photosynthesis, Phloem, Translocation and required practical
16B	08/01	Rate of Photosynthesis – Factors and describing graphs
		Rate of photosynthesis – Explaining Graphs
17A	16/01	Rate of photosynthesis – Greenhouse Work
18B	22/01	Rate of Photosynthesis and the rate of respiration relationship
		Nervous System – Structure, function, specialised cells
19A	29/01	Nervous System – Nerve Impulse pathway
20B	05/02	Nervous System - Synapses and extended writing
		Nervous System – Required Practical Reaction Times
21A	19/02	Nervous System – Required Practical Reaction Times
22B	26/02	Nervous System – Reflex Actions + exam question work
		Assessment 2 – Cells, Microscopes, Respiration, Active Transport, Leaf and Photosynthesis, Phloem and Translocation
23A	04/03	Assessment 2 - DIRT
24B	11/03	Starch/Amylase Practical (Digestion, Enzyme, required practical revision)
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25A	18/03	Endocrine System 1 – What are hormones, glands and target organs? Principle of negative feedback
26B	08/03	Endocrine System 1 – Blood Glucose – factors causing increase and decrease, importance in control
		Endocrine System 1 – Blood Glucose Insulin (including application of neg feedback for H)
27A	15/04	Endocrine System 1 – Blood Glucose Glucagon

28B	22/04	Endocrine System 1 – Diabetes
		Endocrine System 1 – Exam Question Practice
29A	29/05	Endocrine System 1 – Adrenaline
30B	06/05	Endocrine System 1 – Negative Feedback and Thyroxine
		Endocrine System 1 - Thyroxine
		Obtaining Water for Photosynthesis + ions from the soil – osmosis + active transport revision
31A	13/05	Xylem structure and the Transpiration stream
32B	20/05	Factors affecting the rate of transpiration – Graph describing and explanations
		Factors affecting the rate of transpiration -potometer
33A	03/06	Stomata – Microscope revision, counting numbers and mechanism to open and close
34B	10/06	Wilting and xerophytic adaptations
		Plant Exam Questions 2
35A	17/06	Year 10 Mock Exam Week
36B	24/06	Year 10 Mock Exams
		Year 10 Mock Exams DIRT
37A	01/07	Year 10 Mock Exams DIRT
38B	08/07	Ecology – Estimating Population Size / Sampling Techniques
		Ecology – Estimating Population Size calculations and exam questions
39A	15/07	Challenge and Celebration Week

	Tracking Window
	Parents' Evening

If time allows, complete the following:

Ecology – Percentage cover and Transects

Ecology – Effect of an abiotic factor on the distribution of a species - Required Practical

Ecology – Transects and Planning methods practice and Application