

A level Biology Schedule September 2021/2022

YEAR 12

Year 12 September 2021/22	Teacher 1 12A SKE 12B KOA		Teacher 2 12A JWA 12D RDA	
	Topics	Assessment	Topics	Assessment
Autumn 1 21 lessons including all assessments	Biological molecules 3.1 carbohydrates, lipids, protein structure and food tests	Week beginning 27/9/21 joint progress test. Reports by 20/10/21 Knowledge test End of section test week beginning 11/10/2021	Cells 3.2. Microscopes, cell structure & mitosis Required practical 2	Week beginning 27/9/21 joint progress test. Reports by 20/10/21 Required practical 2 Knowledge test End of section test week beginning 11/10/2021
Autumn 2 21 lessons including all assessments	Biological molecule 3.1 Enzymes Required practical 1 Water, mineral ions & ATP Start exchange 3.3	2 x 20 mark pop tests Required practical 1 Knowledge test Interleaved test by week beginning 5/12/2021 Reports by 13/12/21	Nucleic Acids 3.1 & 3.4 Structure of nucleic acids, DNA replication, protein synthesis, meiosis and mutations	2 x 20 mark pop tests Knowledge test Interleaved test by week beginning 5/12/2021 Reports by 13/12/21
Spring 1 18 lessons including all assessments	Exchange 3.3 Gas exchange, digestion & absorption	2 x 20 mark pop tests Knowledge test Interleaved test by week beginning 7/2/2022	Cell membranes 3.2 Transport across membranes Required practical 3 & 4	Required practical 3 & 4 2 x 20 mark pop tests Knowledge test Interleaved test by week beginning 7/2/2022
Spring 2 18 lessons including all assessments	Exchange 3.3 Mass transport Required practical 5	Required practical 5 2 x 20 mark pop tests Knowledge test Interleaved test by week beginning 15/3/2022 Reports by 25/03/22	Cell membranes 3.2 Cell recognition & immune response	2 x 20 mark pop tests Knowledge test Interleaved test by week beginning 15/3/2022 Reports by 25/03/22
Summer 1 18 lessons including all assessments	Response 3.6 Survival and response Receptors, control of heart rate	2 x 20 mark pop tests Knowledge test Interleaved test by week beginning 23/5/2022	Genetic diversity 3.4 Variation, diversity, adaptation and classification Field work techniques	2 x 20 mark pop tests Knowledge test Interleaved test by week beginning 23/5/2022
Summer 2	Field work Required practical 10: Choice chamber/ animal behaviour project Revision	2 x 20 mark pop tests Required practical 10 Year 12 exams Paper 1 AS Reports by 18/07/22	Field work Required practical 12: Ecology project	2 x 20 mark pop tests Required practical 12 Year 12 exams Paper 1 AS Reports by 18/07/22

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YEAR 13

Year 13 September 2021/22	Teacher 1 13B KOA 3 periods per week		Teacher 2 13B JWA 4 periods per week	
	Topics	Assessment	Topics	Assessment
Autumn 1	Yr. 13 Mocks start week 4/10/21 until 15/10/21 Full Paper 1 A2 and part Paper 3 Reports by 3/11/22			
	1st four weeks of term Complete 3.6.1.1 Tropisms and IAA Plus Taxes and Kinesis (9L) revision of Yr. 12 content (3L)	Complete Yr. 12 required practical 10 & 5	1st four weeks of term Complete Genetic diversity 3.4 & 3.7 Speciation & Evolution (12 L) Revision of Yr. 12 content. (4L)	Complete Yr. 12 required practical 4 & 6 Revision test on ecology 3.4 & 3.7.
	After exams Start Response 3.6.1 Reflex Actions (3L)	1 x 20 mark pop test	After exams Start Energy 3.5 Respiration & photosynthesis (4L)	
Autumn 2	Response 3.6.1.2 Structure and function of a Pacinian corpuscle, eye - rods & cones 3.6.1.3 control of heart rate (9L) Then start 3.6.2 Nervous co-ordination	2 x 20 mark pop tests Required practical 11 Knowledge test 3.6.1 week beginning 15/11/2021	Complete Energy 3.5 Respiration, photosynthesis & Nutrient cycles Required practicals 7, 8 & 9 (28L Max)	3 x 20 mark pop tests Required practicals 7 & 8 Knowledge test 3.5 week beginning 13/12/2021 Start Essay Revision
Spring 1	Response 3.6.2 Nervous co-ordination and muscles (15L max). Complete by PPES PPEs 24/1/22	PPEs full paper 1, modified Paper 2 and paper 3 Reports by 23/02/22	Genetics 3.7 Crosses including chi squared and Harvey Weinberg (12L) Complete by PPES PPEs 24/1/22	PPEs full paper 1, modified Paper 2 and paper 3 Reports by 23/02/22
Spring 2	Response 3.6.4 Homeostasis (15L Max) Then start revision	Revise Required practical 5 Knowledge test 3.6 week beginning 14/03/2022	Gene Technology 3.8 (15L Max) Then start revision	Essays 1 per week Knowledge test 3.8 week beginning 14/03/2022
Summer 1	Revision Holistic approach covering: Biological molecules 3.1, Exchange, 3.3, Response, 3.6 Essay writing	3 x Interleaved tests & Full paper 3 mock by week beginning 23/3/2022	Revision Holistic approach covering: Cells 3.2, Nucleic acids and diversity, 3.4, Energy 3.5, Genetics 3.7 and Gene technologies 3.8 Essay writing	3 x Interleaved test & Full paper 3 mock by week beginning 23/3/2022
	Revision – <ul style="list-style-type: none"> • Essay writing 25 marks per essay • lots of 5/6 mark extended writing questions • Application questions Sit full mock papers 1, 2 & 3 straight after Easter week beginning 19/4/22			