KS5 Curriculum: A Level Biology 2024-2025

	Year 12		Year 13	
	Knowledge and skills	Enrichment	Knowledge and skills	Enrichment
Cycle 1	• **1a Biological molecules** • **1b More Biological molecules** • **2c cells and the immune system** • **2a cell structure and division** **Required practical 1& 2** Assessments: **Mid-Cycle:** assessments on material covered in 1a, 1b, 2a, 2c **End of Cycle:** Longer assessment (up to 1 hr) on both topics.	Super-curricular reading – New Scientist magazine Research activities from 'The Big Picture' (QR code in transition pack)	• **5a Photosynthesis and respiration** • **5b Energy Transfer and nutrient cycles** • **7a Genetics** • **7b Population and evolution** • **7c – Populations and Ecosystems** **Required practicals 7, 8, 9** Assessments: **Mid-cycle –** End of assessments on material covered in 5a, 5b and 7a, 7b, 7c **Full Mock 1 – 18th Nov – 29th Nov** **(Full A level paper 1)**	Super-curricular reading – New Scientist magazine
Cycle 2	• **2b Cell membranes** • **3a Exchange and Transport systems** • **3b More exchange and transport systems** • **4a DNA, RNA and protein synthesis** **Required practical 3, 4 and 5** Assessments: **Year 12 mock exams – 13th Jan – 24th Jan (all topics covered so far)** **Mid-Cycle:** assessments on material covered in 2b, 3a, 3b, 4a **End of cycle:** Longer assessment based on whole exam paper 1.	Super curricular reading – New Scientist magazine Research activities from 'The Big Picture' (QR code in transition pack)	• **8a Mutations and gene expression** • **8b Genome projects and gene technologies.** • **6a Stimuli and response** • **6b Nervous Co-ordination** • **6c Homeostasis** **Required practicals 10, 11, 12** Assessments: **Mid-cycle –** End of assessments on material covered in 6a, 6b, 6c and 8a, 8b **Full mock set 2 – 10th March – 21st March** **(both papers 1 and 2)**	Super-curricular reading – New Scientist magazine
Cycle 3	• **4b Diversity and selection** • **4c Diversity and classification** **Required practical 6** Assessments: **End of year exams – 23rd June – 4th July (Whole paper 1)**	Super curricular reading – New Scientist magazine Research activities from 'The Big Picture' (QR code in transition pack)	Revision/ Exams	