

KS5 Curriculum Overview – Biology

Year 12	Autumn Term		Spring Term		Summer Term 1		Summer Term 2 (7 weeks)	
Topic	Teacher 1	Teacher 2	Teacher 1	Teacher 2	Teacher 1	Teacher 2	Teacher 1	Teacher 2
	<i>Topic 1 – Lifestyle, health and risk.</i> <i>Including CPs 1&2</i>	<i>Topic 2 – Genes and health</i> <i>Including CPs 3&4</i>	<i>Topic 3 – Voice of the genome</i> <i>Including CP5</i>	<i>Topic 4 – Biodiversity and natural resources</i> <i>Including CPs 6,7,8&9</i>	<i>Completion of topic 3 and start topic 5 – On the wild side</i> <i>Including CP10 on the Field trip</i>	<i>Completion of topic 4 and start topic 6 - Infection, immunity and forensics</i>	<i>Completion of Topic 5 – On the wild side</i> <i>Including CPs11,12&13</i> <i>CP10 completed in Y12 Field Trip</i>	<i>Completion of Topic 6 – Infection, immunity and forensics</i> <i>Including CPs 14&15</i>
Assessment	2 Separate end of topic tests on Topics 1 & 2 Exam Week at end of Autumn Term 1 covering the content students have covered on Topics 1 & 2 up to that point - In-class assessment and homework based on research tasks and past exam questions - All assessments cover AOs1-3		Exam Week at end of Spring Term 1 AS Paper 1 (all of Topics 1&2) - In-class assessment and homework based on research tasks and past exam questions - All assessments cover AOs1-3		2 Separate end of topic tests on Topics 3&4 - In-class assessment and homework based on research tasks and past exam questions - All assessments cover AOs1-3		Progress Exam Week at the end of June - AS Paper 1 (all of Topics 1-4) - In-class assessment and homework based on research tasks and past exam questions - All assessments cover AOs1-3	
*Assessment Objectives	Demonstrate knowledge and understanding of the content developed in each topic, including the associated mathematical and practical skills, and ability to construct and develop a sustained line of reasoning which is coherent, relevant, substantiated and logically structured. AO1: Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures.							

	AO2: Apply knowledge and understanding of scientific ideas, processes, techniques and procedures: in a theoretical context, in a practical context, when handling qualitative data, and when handling quantitative data. AO3: Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to: make judgements and reach conclusions, and develop and refine practical design and procedures.
Enrichment	Year 12 Biology Field trip to Juniper Hall or Beckenham Place Park Potential trip to the Millenium Seed Bank in Wakehurst which is part of Kew Gardens. Students invited to free online preparation courses for applications for Medicine/Veterinary/Dentistry courses Biology Olympiad for Y12 students Intervention for PP students and students struggling to achieve their target grades

Year 13	Autumn Term		Spring Term		Summer Term	
Topic	Teacher 1	Teacher 2	Teacher 1	Teacher 2	Teacher 1	Teacher 2
	<i>Completion of Topic 5- On the Wild Side</i> <i>Start Topic 7 –Run for your life</i> <i>Including CPs 16&17</i>	<i>Completion of Topic 6: Forensics and Immunity</i> <i>Start Topic 8 – Grey Matter</i> <i>Including CP 18</i>	<i>Completion of Topic 7 – Run for your life</i>	<i>Completion of Topic 8 – Grey Matter</i>	Pre-release exam preparation Revision of Topics 1-8	
Assessment	2 Separate end of topic tests on Topics 5 & 6 (including content drawn from Year 12) Exam Week at end of Autumn Term 1 – A2 Paper 1 (all of Topics 1-6) - In-class assessment and homework based on research tasks and past exam questions - All assessments cover AOs1-3		2 Separate end of topic tests on Topics 7 & 8 (including content drawn from Year 12) Exam Week at end of Spring Term 1 – A2 Paper 2 (all of Topics 1-4,7&8) - In-class assessment and homework based on research tasks and past exam questions - All assessments cover AOs1-3		A2 Paper 3 in class - In-class assessment and homework based on research tasks and past exam questions - All assessments cover AOs1-3	

*Assessment Objectives	Demonstrate knowledge and understanding of the content developed in each topic, including the associated mathematical and practical skills, and ability to construct and develop a sustained line of reasoning which is coherent, relevant, substantiated and logically structured. AO1: Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures. AO2: Apply knowledge and understanding of scientific ideas, processes, techniques and procedures: in a theoretical context, in a practical context, when handling qualitative data, and when handling quantitative data. AO3: Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to make judgements and reach conclusions, and develop and refine practical design and procedures.
Enrichment	Potential trip to Kings College via their outreach programme to carry out PCR Intervention for PP students and students struggling to achieve their target grade Application to Medicine/Veterinary/Dentistry preparation sessions Year 13 students to run revision sessions to for Year 12 students to solidify their knowledge