

21/22: Year 9-10 Curriculum and Assessment Map

Year 9-10

Subject: The Pearson Edexcel Level 1/Level 2 GCSE (9–1) in Biology

Intent

The Pearson Edexcel Level 1/Level 2 GCSE (9–1) in Biology consists of two externally-examined papers. These are available at foundation tier and higher tier. Students must complete all assessments in the same tier. Students must complete all assessment in May/June in any single year. A mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.

Students will first cover paper one topics in each subject area to build fundamental concepts and principles necessary to progress to paper two topics. Students will take part in purposeful practical activities designed to deepen and broaden their understanding of the skills required for their GCSE Science. Their knowledge which will also be further strengthened by weekly targeted homework task.

All lessons will provide bespoke teaching focussing on individual learner needs. Summer term will be used for revision sessions with topics selected based on whole class needs whilst continuing to provide individualised bespoke teaching. Timed exam and longer mark exam questions such as 6 markers will be provided routinely to help prepare students for mock exams.

Individual targeted intervention sessions will be provided to fill further specific needs and gaps and to refine skills required for their Science GCSE for those students who have been identified to be needing extra support if they are on the SEN register.

	September - December		January - March		April - July	
Implementation	Biology PAPER 1	Assessment Objective	Biology Paper 2	Assessment Objective	<i>End of Year assessment</i>	Assessment Objective
	Topic 1 – Key concepts in biology Topic 2 – Cells and control Topic 3 – Genetics Topic 4 – Natural selection and genetic modification Topic 5 – Health, disease and the development of medicines	Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental	Topic 1 – Key concepts in biology Topic 6 – Plant structures and their functions Topic 7 – Animal coordination, control and homeostasis Topic 8 – Exchange and transport in animals Topic 9 – Ecosystems and material cycles	Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedure	<i>Topics with 6 Mark Question.</i> Topic 5 – Health, disease and the development of medicines Topic 9 – Ecosystems and material cycles Topic 3 – Genetics Topic 7 – Animal coordination, control and homeostasis	Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedure

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Impact		procedure				
		AP1	AP2	AP3		
		<i>Diagnostic Assessment</i> <i>End of Topic assessment</i> <i>End of Term Assessments</i>		<i>Diagnostic Assessment</i> <i>End of Topic assessment</i> <i>End of Term Assessments</i>	<i>Diagnostic Assessment</i> <i>End of Topic assessment</i> <i>End of Term Assessments</i> <i>End of Year Assessment</i>	