

Curriculum Maps – Year 11
Science: Biology (Separate Sciences)

Overview of the year: In Year 11, you will learn about the remaining topics from Biology and will revise in preparation for your GCSE exams. The Edexcel Biology course has two exams – “Paper 1” and “Paper 2”. During this year, you will continue to learn about the topics which are assessed in “Paper 2” for Biology. Throughout the course there are 8 Core Practicals – these are experiments which you must carry out before you sit your exam.		Ways to consolidate and extend your learning in Biology: Complete your Tassomai daily goal Answer past paper questions from physicsandmathstutor.com Answer questions from your Edexcel Biology textbook and your CGP revision guide Visit museums and scientific centres (all with free entry) are; The Science Museum, National History Museum, Wellcome Collection, Faraday Museum, Anaesthesia Heritage Centre, Kirkaldy Testing Museum, and Horniman Museum.		
Half Term	Unit title	Knowledge	Skills	Assessment
1	SB9 Ecosystems and Material Cycles	Biodiversity in plants and animals (including humans) Biotic and Abiotic Factors The Three Cycles of the Ecosystem	Using quadrats Recording and presentation of quantitative data Presentation of multiple sets of quantitative data	End of topic tests Phase tests Core Practicals PPEs
2	SB6 Plant Structures and their Functions	Photosynthesis – factors which affect photosynthesis Transport in Plants Hormones and Plants	Safely conducting experiments Interpreting graphs Application of the inverse square law	End of topic tests Phase tests Core Practicals
3	SB7 Animal Coordination, Control and Homeostasis SB8 Exchange and Transport in Animals	Hormones The menstrual cycle Regulating blood sugar, body temperature and salt/water Movement across cell membranes Respiration and Circulatory System	Monitoring cycles using graphs Analysing cause and effect Identification of anomalous results Safe handling of chemical reagents Calculating rates	End of topic tests Phase tests Core Practicals
4-5	GCSE Exam Preparation	Topics for revision will be identified based on pupils’ attainment in assessments	Revising effectively Skills from previous units in Y10 and Y11 will be revised and practiced	PPEs GCSE Exams