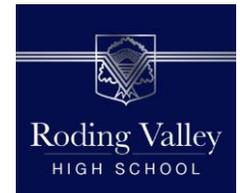


Biology Curriculum Overview Key Stage 5



Subject and year group:	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
Topic/Unit to be studied	Section 5: Energy transfers in and between organisms Section 6: Organisms respond to changes in their internal and external environment.		Section 7: Genetics, populations, evolution, and ecosystems, Section 8: The control of gene expression		Revision
Subject Content Outline	Section 5: <ul style="list-style-type: none"> • Photosynthesis • Respiration • Energy and ecosystems • Nutrient cycles 	Section 6: <ul style="list-style-type: none"> • Nervous response • Nervous coordination • Movement of skeletal muscle • Homeostasis 	Section 7: <ul style="list-style-type: none"> • Inheritance • Populations • Evolution may lead to speciation • Populations in ecosystems 	Section 8: <ul style="list-style-type: none"> • Alteration to DNA base sequence • Gene expression and its control • Gene technologies 	
Aims/Assessment Objectives	AO1: Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures. AO2: Apply knowledge and understanding of scientific ideas, processes, techniques and procedures: <ul style="list-style-type: none"> • In a theoretical context • In a practical context • When handling qualitative data • When handling quantitative data AO3: Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to: <ul style="list-style-type: none"> • Make judgements and reach conclusion • Develop and refine practical design and procedures. 				
Assessment	Mid- topic assessment, end of topic assessment, required practical's	Mid- topic assessment, end of topic assessment, required practical's November PPE	Mid- topic assessment, end of topic assessment, required practical's January PPE	Mid- topic assessment, end of topic assessment, required practical's	Mid- topic assessment, end of topic assessment, required practical's April PPE
Cross curricular opportunities	Mathematics, ICT, English, History, Geography, Food Technology, Design Technology, PE, Citizenship				

Social, Moral, Spiritual, Cultural	Wider issues (for example, spiritual, moral, ethical, social, legal, sustainable development, economic and cultural issues), including those relevant to the education of candidates at Key Stage 5, have been taken into account when preparing this specification. They will only form part of the assessment requirements where they are relevant to the specific content of the specification.				
Homework	Exam questions, practical write ups, QWC questions, targeted worksheets, research tasks	Exam questions, practical write ups, QWC questions, targeted worksheets, research tasks	Exam questions, practical write ups, QWC questions, targeted worksheets, research tasks	Exam questions, practical write ups, QWC questions, targeted worksheets, research tasks	Exam questions, practical write ups, QWC questions, targeted worksheets, research tasks