



Year 11

Subject and Year Group	Autumn 1 Year 11		Autumn 2 Year 11		Spring 1 Year 11		Spring 2 Year 11		Summer 1 Year 11		Summer 2 Year 11
Topic/Unit to be studied	Homeostasis & response (Part 1)	Homeostasis & response (Part 2)	Homeostasis & response (Part 3)	Inheritance, Variation and Evolution (Part 1)	Inheritance, Variation and Evolution (Part 2)	Ecology (Part 1)	Ecology (Part 2)	Revision			
Core Knowledge and skills	Homeostasis principle Temperature regulation (B) Nervous system Reflexes Ruler drop (RP) The brain (B) The eye (B)	Hormonal control Endocrine system Thyroxine Adrenaline Blood glucose Diabetes Reproductive hormones Contraception Infertility & treatments Plant hormones (B) Tropism RP (B)	The kidney ADH & water regulation Dialysis Transplants (all B)	Kinds of reproduction Meiosis & variation DNA and the genome Protein synthesis (B) Mutations (B) Genetic engineering History of genetics (B) Cloning & ethics (B) Genetic inheritance Inherited disorders Screening	Evolution Fossils & other evidence Extinction Theories of evolution (B) Selective Breeding Natural selection Antibiotic resistance Speciation (B) Classification	Communities Environments Biotic & abiotic factors Adaptations Competition Distribution & sampling (RP) Interdependence & feeding relationships Material cycling Decomposition (RP) (B) Biogas generators (B)	Human population Pollution Waste management Deforestation Biodiversity Trophic levels & energy transfer (B) Sustainable food production (B)	Topics 1-7 with a focus on year 10 content (Topics 1-4)			
Assessment	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)	End of Unit assessments including interleaving of previous topics (MCQ/short answer/long answer)		