

Key Stage 4 Curriculum Overview

Year Group	Term 1	Term 2	Term 3
Year 10	Infection and response <ul style="list-style-type: none"> • Pathogens and diseases caused by pathogen • Human defences to pathogens • Non-communicable diseases 	Bioenergetics <ul style="list-style-type: none"> • Respiration in animals, plants and yeast. • The body's responses to exercise. • Photosynthesis 	Ecology <ul style="list-style-type: none"> • Communities and ecosystems • Factors that impact on ecosystems • Food webs • Cycling of nutrients (carbon and water) • Pollution • Global warming
Year 11	Homeostasis and response <ul style="list-style-type: none"> • Homeostasis • Controlling glucose levels • Diabetes • Hormonal control of the menstrual cycle • Reflex actions 	Inheritance <ul style="list-style-type: none"> • Chromosomes • Mitosis • Meiosis • Types of reproduction • DNA • Genetic inheritance and disorders • Evolution • Selective breeding • Genetic engineering 	GCSE Exam Preparation