Curriculum Summary Document

Year 9 – Science

Module/Unit of Learning	Taught During	What will students learn?	How does this help to build a broad and strong foundation?	Links to other subjects
AQA GCSE Plant Biology, Ecology, and biodiversity	**HT1**	Students will study plant tissues, organs and transport systems, photosynthesis, plant adaptations, ecosystems, biodiversity, food chains and human impacts on the environment.	Develops understanding of how plants function and how organisms interact with their environment. Builds knowledge of sustainability, food production, conservation and the importance of maintaining biodiversity.	Geography (ecosystems and climate change), Maths (sampling and data analysis), Food Technology (photosynthesis and food production).
AQA GCSE Homeostasis	**HT2 + 3**	Students will learn about the regulation of internal conditions, the nervous system, reflex actions, hormones, blood glucose regulation, temperature control and the menstrual cycle.	Develops understanding of how the human body maintains stable internal conditions. Provides essential knowledge for understanding human physiology, health, disease and the coordination of body systems.	PE (body regulation and exercise), PSHE (health and wellbeing), Maths (interpreting biological data).
PPE Revision	**HT4**			
AQA GCSE Inheritance, Variation, and Evolution	**HT5-6**	Students will study DNA, genes, chromosomes, inheritance, genetic crosses, variation, natural selection, evolution, selective breeding, genetic engineering and evidence for evolution.	Develops understanding of genetics, biodiversity and how organisms change over generations. Builds scientific knowledge that supports understanding of heredity, adaptation, evolution and modern biological developments.	Maths (probability and genetic crosses), Geography (biodiversity and adaptation), History (development of evolutionary theory).