Holy Family
Catholic High School

Curriculum and Assessment Progression Map

Year 9

Subject: Biology

Subject Leader D Wilde

Key Learning Constructs to be developed over the academic year. – Core Knowledge	**Scheme of Learning Autumn Term**	**Scheme of Learning Spring Term**	**Scheme of Learning Summer Term**
* life processes depend on molecules whose structure is related to their function * the fundamental units of living organisms are cells, which may be part of highly adapted structures including tissues, organs and organ systems, enabling living processes to be performed effectively	**Part 1** **Cell Biology – Cell Structure** **Part 2** **Cell Biology – Cell Division and Transport in Cells**	**Part 3** **Organisation – Principles of Organisation** **Animal Tissues, Organs and Organ Systems – The Digestive System** **Part 4** **Animal Tissues, Organs and Organ Systems – The Heart, Circulatory System and Blood**	**Part 5** **Lifestyle and Non Communicable Diseases** **Plant Tissues, Organs and Systems** **Part 6** **Infection and Response** **Communicable Diseases**
	Real examples of the APPLICATION of the content studied (eg the work of Robert Hooke in microscopy)	Real examples of the APPLICATION of the content studied (eg cardiovascular fitness in athletes or the work of a Haematologist)	Real examples of the APPLICATION of the content studied (eg COVID-19)
Assessment: -Formative Techniques	Use of whiteboards, hinge questions, recall questions.		
-Summative Pieces	End of Topic Tests	End of Topic Tests	End of Topic Tests and End of Year Assessment
Key Vocabulary	Key scientific terminology appropriate to each topic studied	Key scientific terminology appropriate to each topic studied	Key scientific terminology appropriate to each topic studied
Key Skills	Working Scientifically, relevant mathematical techniques (percentages, mean, mode, median etc) Graph plotting skills. Understanding variables and anomalies and their causes and effects	Working Scientifically, relevant mathematical techniques (percentages, mean, mode, median etc) Graph plotting skills. Understanding variables and anomalies and their causes and effects	Working Scientifically, relevant mathematical techniques (percentages, mean, mode, median etc) Graph plotting skills. Understanding variables and anomalies and their causes and effects

Opportunities Outside the taught Curriculum.	Careers, STEAM enrichment activities, educational visits	Careers, STEAM enrichment activities, educational visits	Careers, STEAM enrichment activities, educational visits