



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
<ul style="list-style-type: none"> 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 	<p>Part 1 Cell Biology – Cell Structure</p> <p>Part 2 Cell Biology – Cell Division and Transport in Cells</p>	<p>Part 3 Organisation – Principles of Organisation</p> <p style="text-align: center;">Animal Tissues, Organs and Organ Systems – The Digestive System</p> <p>Part 4 Animal Tissues, Organs and Organ Systems – The Heart, Circulatory System and Blood</p>	<p>Part 5 Lifestyle and Non Communicable Diseases Plant Tissues, Organs and Systems</p> <p>Part 6 Infection and Response Communicable Diseases</p>
Hinterland Knowledge	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 -Summative Pieces	Use of whiteboards, hinge questions, recall questions.		
	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	Working Scientifically, relevant mathematical techniques (percentages, mean, mode, median etc) Graph plotting skills. Understanding	Working Scientifically, relevant mathematical techniques (percentages, mean, mode, median etc)

	skills. Understanding variables and anomalies and their causes and effects	variables and anomalies and their causes and effects	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