



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
BIOLOGY Bioenergetics Nutrition Effects of Drugs on the body Ecosystems Inheritance CHEMISTRY The Periodic Table Metals and Acids Elements, Atoms and Compounds PHYSICS Motion and Pressure Waves Electricity	Part 1 HEALTH AND LIFESTYLE THE PERIODIC TABLE Part 2 MOTION AND PRESSURE ELEMENTS, ATOMS AND COMPOUNDS	Part 3 METALS AND ACIDS LIGHT Part 4 PHOTOSYNTHESIS RESPIRATION SOUND	Part 5 ADAPTATION AND INHERITANCE ELECTRICITY Part 6 REVISION FOR END OF YEAR ASSESSMENT CAREERS IN SCIENCE
Hinterland Knowledge	Real examples of the APPLICATION of the content studied (eg how drugs affect the body)	Real examples of the APPLICATION of the content studied (eg the development of the loudspeaker)	Real examples of the APPLICATION of the content studied (eg the naked mole rat and its adaptations)
Assessment: -Formative Techniques	Use of whiteboards, hinge questions, recall tests and 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,	Working Scientifically - relevant mathematical techniques (percentages, mean, mode, median,	Working Scientifically - relevant mathematical techniques (percentages, mean, mode, median,

	graph plotting, simple equations and their rearrangement etc)	graph plotting, simple equations and their rearrangement etc)	graph plotting, simple equations and their rearrangement etc)
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