

Subject: Science Faculty: Science Year Group: 9			
EXCELLING (-, =, +)			
	All of the secure criteria plus: Explain the effects of bioaccumulation. Compare atomic models	All of the secure criteria plus: Describe the relative motion of an object. Explain the adaptation of a leaf for photosynthesis	All of the secure criteria plus: Evaluate the impact of a product on the environment. Explain how earthing appliances is a safety measure.
SECURE			
	Autumn Term	Spring Term	Summer Term
	Assessment strategy: Mini assessments End of term test	Assessment strategy: Mini assessments End of term test	Assessed strategy: End of year examination
Pillar 4 Working scientifically	Apply sampling techniques to collect data Evaluate data showing sources of random and systematic error/	Everything from term 1 plus: Understand how ideas and theories are modified with new evidence. Pay attention to accuracy, precision, repeatability and reproducibility in an investigation	Everything from terms 1 and 2 plus: Undertake basic data analysis including simple statistical techniques Use appropriate techniques, apparatus and materials to view an object using a microscope.
Pillar 3 Physics	List non-renewable and renewable energy resources. Describe how a coal fired power station works	Everything from term 1 plus: Calculate speed using distance and time. Describe a journey from a distance time graph.	Everything from terms 1 and 2 plus: Describe AC and DC current. State the properties of UK mains electric
Pillar 2 Chemistry	Identify atoms, elements and compounds from diagrams Draw electron configuration of simple atoms	Everything from term 1 plus: Identify where groups and periods are on the periodic table. Describe properties of metals and non metals.	Everything from terms 1 and 2 plus: Identify materials as finite and renewable. Compare the environmental impact of a product using data
Pillar 1 Biology	Identify abiotic and biotic factors in an ecosystem. Construct a pyramid of numbers based on a feeding relationship.	Everything from term 1 plus: Write the word equation for photosynthesis. Write the word equation for aerobic and anaerobic respiration.	Everything from terms 1 and 2 plus: Compare eukaryotic and prokaryotic cells. Calculate magnification of an image.
DEVELOPING (-, =, +)			
	Not yet secure with all of the criteria set out for the term.		