

Subject: Science Faculty: Science Year Group: 8			
EXCELLING (-, =, +)			
	All of the secure criteria plus: Explain variation in characteristics. Write balanced symbol equations for reactions.	All of the secure criteria plus: Rearrange an equation to calculate a value. Complete a balanced symbol equations for a chemical reaction.	All of the secure criteria plus: Explain how an electric bell works. Design an experiment to test forces on a pair of different muscles.
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	Present data using appropriate methods (graphs). Apply mathematical concepts and calculate results.	Everything from term 1 plus: Analyse data, identifying patterns to draw conclusions. Use and derive simple calculations.	Everything from terms 1 and 2 plus: Ask questions and develop a line of enquiry based on observations of the real world alongside your own knowledge. Make predictions using scientific knowledge.
Pillar 3 Physics	Identify types of waves. Describe, using a diagram how light is reflected.	Everything from term 1 plus: Describe a moment. Calculate pressure exerted by a force.	Everything from terms 1 and 2 plus: Label the missing poles of a bar magnet. Describe if attraction between magnets will occur.
Pillar 2 Chemistry	Identify physical and chemical changes. Describe, using data, conservation of mass in a reaction.	Everything from term 1 plus: Use word equations to describe how metals react. Identify standard chemical reactions from their equations.	Everything from terms 1 and 2 plus: Describe the structure of Earth. Describe the properties and formation of different types of rock.
Pillar 1 Biology	Identify the taxonomic groups in the Linnaean classification system. Describe how genetic information is passed from parent to a child.	Everything from term 1 plus: Identify the main parts of the digestive system. Describe the process of digestion.	Everything from terms 1 and 2 plus: Describe how antagonistic muscle pairs work Describe and explain the function of parts of a joint.
DEVELOPING (-, =, +)			
	Not yet secure with all of the criteria set out for the term.		