Science KS3 Assessment Framework

	Beginning Grade 1	Working Towards Grade 2-3	Expected Grade 4-5	Exceeding Grade 6-7	Excelling Grade 8-9
Acids & Alkalis	I can: Give an example of a chemical reaction Give an example of a physical reaction State safety precautions that are necessary when handling avids/alkalis Give one example of a neutralisation reaction.	I can: State an observation that is evidence that a chemical reaction has happened Recall the hazards associated with acids and alkalis Use the pH scale to measure acidity and alkalinity. State examples of strong and weak acids. State what happens during a neutralisation reaction. State the products formed when an acid reacts with a base	I can: State some useful chemical reactions Describethe differnece between a concentrated and dilute acid. Identify acids, alkalis and neutral solutions on the pH scale Use data and observations to determine the pH of a solution Use models to show the difference between a strong acid and a weak acid. State what products are formed in the reaction between an acid and alkali. State what a salt is Match the type of salt that will form from the type of acid used.	I can: Deduce whether an observed or described change is a physical change or a chemical reaction. Compare the properties of acids and alkalis Identify the best indicator to distinguish between solutions of different pH, using data provided. Describe what factors affect the pH of a solution. Describe a method for making a neutral solution from an acid and an alkali. Predict the names of salts formed when acids react with metals or bases and write word equations to represent the reactions.	I can: Compare chemical reactions to physical reactions Explain the difference between acid strength and acid concentration