Year 8: ASK Yourself!

Subject: Science
Unit 8.2: Explaining chemical changes

	Launching	Developing	Progressing	Mastering
Skills				
	I need to describe a method for how to make a neutral solution from an acid and alkali.	I can partially work out the name of the salt produced when an acid and alkali react, when given the name of the acid and alkali.	I can confidently write word equations from information about chemical reactions. I can confidently deduce the hazards of different alkalis & acids using data about their concentration and pH.	I can expertly balance a symbol equation. I can expertly use known masses of reactants or products to calculate unknown masses of the remaining reactant or product.
Knowledge				
	I need to know that the pH of a solution depends on the strength of the acid; strong acids have lower pH values than weak acids.	I partially know that mixing an acid & an alkali produces a chemical reaction, neutralisation, forming a chemical called a salt and water.	I confidently know that chemical changes can be described by a model where atoms & molecules in reactants rearrange to make new products & the total number of atoms is conserved.	I understand that data and observations to determine the pH of a solution and explain what this shows. I understand how to use particle diagrams to show what happens in a reaction.