Assessment grid			
Subject: **Science**	Year: **7**	Topic/module: **Acids and Alkalis**	
KS4 target direction	**4**	**6**	**8(9)**
Advanced	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension Features of work may include:
Secure *Students must achieve competence in **all** statements before being judged 'Secure'*	**Secure** The student can: • Name some common properties of acids and alkalis • State that concentrated acids are more harmful than dilute acid • Describe, in simple terms, what the key words 'concentrated' and 'dilute' mean. • State that indicators will be different colours in acids, alkalis, and neutral solutions • State simply what happens during a neutralisation reaction • Give one example of a neutralisation reaction • State the type of chemical made when an acid and alkali react. • Match the type of salt that will form from the type of acid used.	**Secure** The student can: • Compare the properties of acids and alkalis • Describe the differences between concentrated and dilute solutions of an acid • Use the pH scale to measure acidity and alkalinity • Describe how pH changes during neutralisation reactions • State examples of useful neutralisation reactions • Describe what a salt is • Predict the salts formed when acids react with metals or bases	**Secure** The student can: • Compare the different particles found in acids and alkalis. • Explain what 'concentrated' and 'dilute' mean, in terms of the numbers of particles present • Use a variety of indicators to measure acidity and alkalinity and explain how they work. • Interpret a graph of pH changes during a neutralisation reaction. • Explain why neutralisation reactions are useful in the context of specific examples • Predict the formulae for products of reactions between acids and metals, or acids and bases.
Developing	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:
Beginning	Significant gaps	Significant gaps	Significant gaps