



# Key Stage 3 progress grid

**Subject** Reactivity series

**Year** 9

**Topic / skill area** Reactivity series

Trajectory	I am able to.....
T9, T8	<ul style="list-style-type: none"><li><input type="checkbox"/> Complete balanced symbol equations for the reaction.</li><li><input type="checkbox"/> Apply the position of the metals in the periodic table and Dalton's atomic model to suggest reasons why some metals are more reactive than others.</li></ul>
T7	<ul style="list-style-type: none"><li><input type="checkbox"/> Judge the usefulness of the model by considering its limitations.</li><li><input type="checkbox"/> Evaluate the model(s) used to explain displacement reactions.</li><li><input type="checkbox"/> Attempt to represent the reaction as a symbol equation.</li></ul>
T6	<ul style="list-style-type: none"><li><input type="checkbox"/> Sort the metal elements in the results table into order of reactivity using the results.</li><li><input type="checkbox"/> Discuss a strength and a weakness of the model you have used.</li><li><input type="checkbox"/> Analyse what will happen if Tin was added to each of the compounds in the table.</li><li><input type="checkbox"/> Write a word equation to represent the chemical reaction.</li></ul>
T5, T4	<ul style="list-style-type: none"><li><input type="checkbox"/> Use the reactivity series to predict the results when Magnesium is added to each compound.</li><li><input type="checkbox"/> Deduce which metal ores could be extracted using Carbon.</li><li><input type="checkbox"/> Explain what happens to the particles during the reaction.</li><li><input type="checkbox"/> Explain how reaction between iron and copper sulphate occurs using a displacement disco cartoon.</li></ul>
T3	<ul style="list-style-type: none"><li><input type="checkbox"/> Describe the reaction between iron and copper sulphate.</li><li><input type="checkbox"/> Outline the idea of displacement using a cartoon.</li><li><input type="checkbox"/> Identify one piece of scientific evidence that supports your ideas.</li><li><input type="checkbox"/> Identify the reactants and the product.</li></ul>
T2, T1	<ul style="list-style-type: none"><li><input type="checkbox"/> State what the iron nail looks like before and after being in copper sulphate.</li><li><input type="checkbox"/> List the element and compound in the reaction.</li><li><input type="checkbox"/> Use a simple model to represent the reaction.</li></ul>

