



Pupil flightpath		Mastery Steps		
GCSE target	KS2 start point	Knowledge and Understanding	Skills and application	Analysis and evaluation
8/9	117-120		<ul style="list-style-type: none">Predict the position of an element in the periodic table based on information about its physical and chemical properties	
6/7	102-116	<ul style="list-style-type: none">The elements in a group all react in a similar way and sometimes show a pattern in reactivityAs you go down a group and across a period the elements show patterns in physical properties	<ul style="list-style-type: none">Use data about the properties of elements to find similarities, patterns and anomalies	<ul style="list-style-type: none">Describe the reaction of an unfamiliar Group 1 or 7 element
4/5	85-101	<ul style="list-style-type: none">Metals are generally found on the left side of the table, non-metals on the rightGroup 1 contains reactive metals called alkali metalsGroup 7 contains non-metals called halogensGroup 0 contains unreactive gases called noble gases	<ul style="list-style-type: none">Choose elements for different uses from their position in the periodic table	<ul style="list-style-type: none">Use data showing a pattern in physical properties to estimate a missing value for an elementUse observations of a pattern in chemical reactions to predict the behaviour of an element in a groupUse data to describe a trend in physical properties
2/3	80-84	Periodic table, Physical properties, Chemical properties, Groups, Periods		