

<b>Key Stage 4 (10)</b>	
<b>Course title: Combined science: Trilogy or Separate science: Chemistry</b>	
<b>Exam board: AQA</b>	
<b>Specification code: 8464 or 8462</b>	
<b>Autumn 1 (September – October) to Autumn 2 (October – December)</b>	<b>Changes of state and energy in reactions</b> Builds on KS3 knowledge of states of matter and real-world experience ensure this topic is concrete. Does not rely on atomic structure.
	<b>Atomic structure and the Periodic table</b> Foundation knowledge that underpins the rest of GCSE science. Follows recap of the idea of particles in previous topic.
<b>Spring 1 (January – February) to Spring 2 (February – March)</b>	<b>Structure and bonding</b> Builds on atomic structure topic with electron structure the key fundamental knowledge for bonding. Makes atomic structure topic more concrete as teaches the link between properties and types of bonding with real world examples.
<b>Summer 1 (April – June) to Summer 2 (June – July)</b>	<b>Quantitative</b> Foundation knowledge but challenging so placing this early on allows practice time. Also, very common as part of multipart exam questions so plenty of opportunity for practice in other topics.
	<b>Metal extraction and acid theory</b> The electrolysis of metals and the ionisation of acids builds from ionic theory and so this topic follows structure and bonding. It is the last paper 1 topic.