Key Stage 4 (11)	
Course title: Combined science: Trilogy or Separate science: Chemistry	
Exam board: AQA	
Specification code: 8464 or 8462	
Autumn 1 (September – October) to Autumn 2 (October – December)	**Rate of reaction and equilibria** This topic requires application of particle theory, energy change and quantitative chemistry and so sits after these topics and provides lots of opportunity for retrieval of year 10 knowledge.
	Analysis This topic introduces the idea of purity linked to physical property – this is built in fractional distillation and so is a prerequisite for carbon chemistry. Spirals back to gas testing for CO_2 which links to combustion and atmosphere topics that follow.
	Carbon chemistry This topic contains complex content on separating techniques and properties linking with boiling points so teaching early in year 11 allows time for reinforcement. Spirals back to covalent bonding and the properties of simple molecules.
Spring 1 (January – February) to Spring 2 (February – March)	**Earth's materials** Many cross links with prior learning so as the last topic fits well with spiral curriculum to revisit other topics. E.g., metal extraction, separation techniques.
Summer 1 (April – June) to Summer 2 (June – July)	**Revision for GCSEs**