

Key Stage 4 (10)**Course title: Combined Science: Trilogy or Separate Science: Physics****Exam board: AQA****Specification code: 8464 or 8463**

Autumn 1 (September – October) to Autumn 2 (October – December)	Energy Builds on key stage 3 knowledge and is the fundamental knowledge for GCSE physics as contains energy transfers that link into future topics. Particle model Concrete topic so suitable early in key stage 4 (year 10). Complements timing of atomic structure in chemistry.
Spring 1 (January – February) to Spring 2 (February – March)	Electricity Lots of maths within this topic and abstract ideas so placed later in year 10 to allow for this level of challenge. Content on resistance relies on understanding of particle model.
Summer 1 (April – June) to Summer 2 (June – July)	Atomic structure (radioactivity) Abstract topic and more complex maths so placed later in year. Radiation equations require solid understanding of atomic structure. Last topic of paper 1.

Key Stage 4 (11)	
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Autumn 1 (September – October) to Autumn 2 (October – December)	Waves EM spectrum starts this topic to follow on from radiation covered in last topic. Forces Level of challenge in exam questions and resolving forces is high and placing this in key stage 4 (year 11) means student have met distance/time graphs in maths.
Spring 1 (January – February) to Spring 2 (February – March)	Separate science only: Space This topic is underpinned by an understanding of EM spectrum and the impact of forces on motion and so sits after these topics. Magnetism This topic needs understand of forces and electricity and so is placed after this as part of spiral curriculum.
Summer 1 (April – June) to Summer 2 (June – July)	Revision for GCSEs