

<b>Key Stage 4 (10)</b>	
<b>Course title: Combined science: Trilogy or Separate science: Biology</b>	
<b>Exam board: AQA</b>	
<b>Specification code: 8464 or 8461</b>	
<b>Autumn 1 (September – October) to Autumn 2 (October – December)</b>	<p><b>Infection and immunity</b> This topic follows on from anatomy topic in year 9. It is a concrete, accessible topic for all for start GCSE. Contains some <b>triple</b> content so introduces these students to their option.</p>
	<p><b>Cell division and transport</b> Builds on key stage 3 cells knowledge. It covers fundamental principles of biology required before organisation topic.</p>
	<p><b>Organisation in animals -Circulatory and digestive system</b> Macroscale topic building on microscale in previous topic. Animal organisation is before plant organisation as more accessible for students.</p>
<b>Spring 1 (January – February) to Spring 2 (February – March)</b>	<p><b>Organisation in plants</b> Builds on organisation in animals and forms link to photosynthesis topic.</p>
	<p><b>Bioenergetics – photosynthesis and respiration</b> Builds on organisation topics and introduces concepts of energy transfer in biology, building on chemistry understanding.</p>
<b>Summer 1 (April – June) Summer 2 (June – July)</b>	<p><b>Ecology</b> Placed in summer term to enable students to take part in real field work including quadrats and transects. Builds on respiration (food chains and energy transfer) and photosynthesis (impact on plant distribution).</p>