

# Triple Science (AQA) - Paper 1

<b>Exam Duration</b>	Biology 1hr 45min Chemistry 1hr 45min Physics 1hr 45 min  <i>Please note these are only half of the exams that are in the final GCSE</i>	<b>Equipment</b>	Black pens Ruler Pencil Calculator Protractor
<b>Revision Resources</b>	<a href="http://www.my-GCSEscience.com">www.my-GCSEscience.com</a> AQA Science textbooks available on kerboodle.com Biology for combined science trilogy, Chemistry for combined science trilogy, Physics for combined science trilogy. (Usernames and passwords available from Mrs Norris if forgotten) BBC bitesize <a href="http://www.aqa.org.uk">www.aqa.org.uk</a> for past exam papers		

<b>Exam Revision Checklist</b>			
<b>Content</b>			<b>Revised?</b>
	<b>Title</b>	<b>Textbook chapter</b>	
<b>Biology</b>	Cell structure and transport in cells Cell division Digestive system Plant tissues Communicable disease Heart and lifestyle disease Bioenergetics  Required practicals: 1. Looking at cells under a microscope including biological drawing and calculating magnification. 2. Investigating the effects of antiseptics and antibiotics on bacterial growth 3. Investigating osmosis in plant cells. 4. Food tests (starch, sugar, lipids and proteins). 5. Investigating the effect of pH on the rate of reaction of amylase. 6. Investigating the effect of light intensity on the rate of photosynthesis.	B1 B2 B3 B4 (4.6-4.9 only) B5 and B6 B4 and B7 B8 and B9	
<b>Chemistry</b>	Atomic structure and the periodic table	C1 and C2	

	<p>Bonding and structures  Metals and reactivity  Reactions of Acids  Calculations  Exo and endothermic reactions</p> <p>Required practicals:</p> <ol style="list-style-type: none"> <li>1. Preparing pure salt crystals from an insoluble metal oxide or metal carbonate and acid.</li> <li>2. Carrying out a titration.</li> <li>3. Investigating temperature changes during reactions.</li> </ol>	<p>C3  C5  C5  C4  C7</p>	
<b>Physics</b>	<p>National and global energy resources  Particle model  Atomic structure and radiation  Conservation and Dissipation of energy  Electricity  Domestic uses of electricity and safety</p> <p>Required Practicals:</p> <ol style="list-style-type: none"> <li>1. Measuring specific heat capacity of a material.</li> <li>2. Investigating the materials as insulators</li> <li>3. Investigating the resistance of a wire.</li> <li>4. Investigating the I-V characteristics of different components in a circuit including: a filament lamp, a diode and a resistor at a constant temperature.</li> <li>5. Investigating combinations of resistors in series and in parallel.</li> <li>6. Investigating density of regular and irregular shapes and liquids.</li> </ol>	<p>P3  P6  P7  P1  P4  P5</p>	