

Subject: Science

Year 7 (Modules, Topics)

Term 1	Term 2	Term 3
<p>Working Scientifically Cells and Body Systems Forces and space Particles and elements (part of topic)</p> <p>Resources: Activate 1 http://www.bbc.co.uk/education/guides/z9hyvcw/revision http://www.bbc.co.uk/education/guides/zpkq7ty/revision http://www.bbc.co.uk/education/guides/zttfyrd/revision http://www.bbc.co.uk/education/guides/z8wx6sg/revision</p> <p>Assessment: Homework: Cells Homework: Organisation in the body Homework: Gravity Summative assessment: Cells and Body Systems Summative assessment: Forces and Space Test</p>	<p>Particles and elements (rota dependant) Reproduction Reactions and Acids (Part of topic)</p> <p>Resources: Activate 1 http://www.bbc.co.uk/education/guides/z2wmxnb/revision/1 http://www.bbc.co.uk/education/guides/zt2hpv4/revision http://www.bbc.co.uk/education/topics/zybbkqt</p> <p>Assessment: Homework: Particle model Homework: Chemical Formulae Homework: Human anatomy Summative assessment: Particles and elements Test Summative assessment: Reproduction Test</p>	<p>Reactions and Acids (rota dependant) Sound and Light</p> <p>Resources: Activate 1 http://www.bbc.co.uk/education/guides/zqd2mp3/revision http://www.bbc.co.uk/education/guides/zyn3b9g/revision/1 http://www.bbc.co.uk/education/guides/z89jg6f/revision/1 http://www.bbc.co.uk/education/guides/z8d2mp3/revision http://www.bbc.co.uk/education/guides/zq7thyc/revision</p> <p>Assessment: Homework: Equations Homework: Making salts Homework: Echoes Homework: Refraction Summative assessment: Reactions and acids Test Summative assessment: Sound and Light Test</p>

Year 8 (Modules, Topics)

Term 1	Term 2	Term 3
<p>Health and Lifestyle Periodic table and Separation techniques Electricity Ecosystems and Adaptations (part of topic)</p> <p>Resources: Activate 2 http://www.bbc.co.uk/education/guides/zy2hvp4/revision http://www.bbc.co.uk/education/guides/zyjx6sg/revision http://www.bbc.co.uk/education/guides/z84wjxs/revision http://www.bbc.co.uk/education/guides/zgvc4wx/revision</p> <p>Assessment: Homework: healthy lifestyle Homework: parts of the periodic table Homework: circuits Summative assessment: Health and lifestyle test Summative assessment: Periodic table and separations Summative assessment: Electricity Test</p>	<p>Ecosystems and Adaptations Metals and the Earth</p> <p>Resources: Activate 2 http://www.bbc.co.uk/education/guides/zq349i6/revision http://www.bbc.co.uk/education/guides/zpwxmnb/revision http://www.bbc.co.uk/education/guides/zq4wjxs/revision http://www.bbc.co.uk/education/topics/zpffr82 http://www.bbc.co.uk/education/topics/z6pp34j/resources/1 http://www.bbc.co.uk/education/topics/zgvpbkqt http://www.bbc.co.uk/education/guides/zysbgk7/revision http://www.bbc.co.uk/education/guides/zgb9kqt/revision http://www.bbc.co.uk/education/guides/zwd2mp3/revision http://www.bbc.co.uk/education/guides/z27thyc/revision http://www.bbc.co.uk/education/guides/zt6sfg8/revision</p> <p>Assessment: Homework: adaptations Homework: reactivity series Homework: the rock cycle Summative assessment: Ecosystems and adaptations test Summative assessment: Metals and Earth test</p>	<p>Energy Motion and Pressure</p> <p>Resources: Activate 2 http://www.bbc.co.uk/education/topics/zc3g87h http://www.bbc.co.uk/education/guides/zwxmnb/revision http://www.bbc.co.uk/education/guides/zsbgk7/revision</p> <p>Assessment: Homework: Energy transfers and Energy stores Homework: motion graphs Homework: the rock cycle Summative assessment: Energy, motion and pressure Summative assessment: End of year test</p>

Note: Biology, Chemistry, Physics are taught on a rota in year 9 due to practical implications/resources

Year 9 (Modules, Topics)

Term 1	Term 2	Term 3
<p>Activate physics unit: Motion and pressure GCSE Biology (rota) Cell structure Microscopy Cell transport (osmosis, diffusion, active transport) Tissues and organs Digestive system Enzymes</p> <p>Resources: Activate 2 textbook GCSE Biology textbook</p> <p>Assessment: Summative end of key stage 3 assessment Homework Motion and pressure (x2) Required practical: Microscopy Required practical: Osmosis Required practical: Food tests Required practical: pH and enzyme activity Summative assessment: Cells and microscopy Summative assessment: Digestion and enzymes</p>	<p>GCSE Chemistry (rota) Earth and Atmosphere History of our Atmosphere Greenhouse gases Global climate change Atmospheric pollutants The Earth's resources Finite and renewable resources Water Extracting metals</p> <p>Resources: GCSE Chemistry textbook</p> <p>Assessment: Summative assessment: Our atmosphere Summative assessment: The Earth's resources Required practical: Purify and test water</p>	<p>GCSE Physics (rota) Energy and Energy transfers Conservation of energy Kinetic energy and elastic energy stores Energy and efficiency Energy and power Energy transfers by heating Energy demands and energy from the environment Molecules and matter States of matter and changes of state Specific heat capacity</p> <p>Resources: GCSE Physics textbook</p> <p>Assessment: Summative assessment: Energy 1 Summative assessment: Energy 2 Summative assessment: End of topic Required practical: SHC</p>