



SCIENCE YEAR PLANNER (LTP) – YEAR 9



Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
Autumn 1 and 2	<ul style="list-style-type: none">• Reactions of metals• Chemistry today• Magnets and electromagnets	End of topic test after each topic. End of KS3 Assessments at the end of Autumn term.	<u>Reactions of metals:-</u> http://www.bbc.co.uk/education/guides/zqwmxnrb/revision <u>Chemistry today:-</u> http://www.bbc.co.uk/education/guides/zt6sfg8/revision <u>Magnets and electromagnets:-</u> http://www.bbc.co.uk/education/guides/z3g8d2p/revision
Spring 1	Beginning of KS4 work (AQA GCSE) <ul style="list-style-type: none">• Biology – 4.1 Cell Biology - 4.1.1 Cell Structure• Chemistry – 5.1 Atomic structure and the periodic table - 5.1.1 A simple model of the atom, symbols. Relative atomic mass, electronic charge and isotopes• Physics – 6.1 Energy – 6.1.1 Energy changes and storage	End of topic test to be completed at the end of each subject.	<u>Cell biology:-</u> http://www.bbc.co.uk/education/guides/zgcxsbk/revision/1 <u>Atomic structure and the periodic table:-</u> http://www.bbc.co.uk/education/guides/zsp4jxs/revision <u>Atomic structure and the periodic table:-</u> http://www.bbc.co.uk/education/guides/zfn9g6f/revision http://www.bbc.co.uk/education/guides/zb3j6sg/revision <u>Energy:-</u> http://www.bbc.co.uk/education/guides/zhhcwmn/revision http://www.bbc.co.uk/education/guides/zssk7ty/revision

<p>Spring 2</p>	<p>Beginning of KS4 work (AQA GCSE)</p> <ul style="list-style-type: none"> • Biology – 4.1 Cell Biology - 4.1.1 Cell Structure • Chemistry – 5.1 Atomic structure and the periodic table - 5.1.1 A simple model of the atom, symbols. Relative atomic mass, electronic charge and isotopes Physics – 6.1 Energy – 6.1.1 Energy changes and storage 	<p>End of topic test to be completed at the end of each subject.</p>	<p><u>Cell biology:-</u> http://www.bbc.co.uk/education/guides/zgcxsbk/revision/1 <u>Atomic structure and the periodic table:-</u> http://www.bbc.co.uk/education/guides/zsp4jxs/revision</p> <p><u>Atomic structure and the periodic table:-</u> http://www.bbc.co.uk/education/guides/zfn9q6f/revision http://www.bbc.co.uk/education/guides/zb3j6sg/revision</p> <p><u>Energy:-</u> http://www.bbc.co.uk/education/guides/zhhcwmn/revision http://www.bbc.co.uk/education/guides/zssk7ty/revision</p>
<p>Summer 1</p>	<ul style="list-style-type: none"> • Biology – 4.1 Cell Biology - 4.1.3 Transport in Cells • Chemistry – 5.1 Atomic structure and the periodic table - 5.1.2 The periodic table • Physics – 6.1 Energy – 6.1.2 Conservation and dissipation of energy and 6.1.3 National and global energy resources 	<p>End of topic test to be completed at the end of each subject</p>	<p><u>Cell biology:-</u> http://www.bbc.co.uk/education/guides/zc9tyrd/revision</p> <p><u>Atomic structure and the periodic table:-</u> http://www.bbc.co.uk/education/guides/zfn9q6f/revision http://www.bbc.co.uk/education/guides/zb3j6sg/revision</p> <p><u>Energy:-</u> http://www.bbc.co.uk/education/guides/znn9q6f/revision http://www.bbc.co.uk/education/guides/zpp4jxs/revision</p>

<p>Summer 2</p>	<ul style="list-style-type: none"> • Biology – 4.1 Cell Biology - 4.1.3 Transport in Cells • Chemistry – 5.2 Bonding, structure, and the properties of matter - 5.2.1 Chemical bonds, ionic, covalent and metallic • Physics – 6.3 Particle model of matter – 6.3.1 Changes of state and the particle model and 6.3.2 Internal energy and energy transfers 	<p>End of topic test to be completed at the end of each subject</p>	<p><u>Cell biology:-</u> http://www.bbc.co.uk/education/guides/zc9tyrd/revision</p> <p><u>Bonding, structure and the properties of matter:-</u> http://www.bbc.co.uk/education/guides/zd8hvcw/revision http://www.bbc.co.uk/education/guides/z94xsbk/revision</p> <p><u>Particle model of matter:-</u> http://www.bbc.co.uk/education/guides/zgr2pv4/revision http://www.bbc.co.uk/education/guides/zbg7hyc/revision</p>
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