

## 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> <li>Reactions of metals</li> <li>Chemistry today</li> <li>Magnets and electromagnets</li> </ul>	End of topic test after each topic.  End of KS3 Assessments at the end of Autumn term.	Reactions of metals:- http://www.bbc.co.uk/education/guides/zqwmxnb/revision Chemistry today:- http://www.bbc.co.uk/education/guides/zt6sfg8/revision Magnets and electromagnets:- http://www.bbc.co.uk/education/guides/z3g8d2p/revision
Spring 1	<ul> <li>Beginning of KS4 work (AQA GCSE)</li> <li>Biology – 4.1 Cell Biology - 4.1.1 Cell Structure</li> <li>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</li> <li>Physics – 6.1 Energy – 6.1.1 Energy changes and storage</li> </ul>	End of topic test to be completed at the end of each subject.	Cell biology:- http://www.bbc.co.uk/education/guides/zgcxsbk/revision/1 Atomic structure and the periodic table:- http://www.bbc.co.uk/education/guides/zsp4jxs/revision  Atomic structure and the periodic table:- http://www.bbc.co.uk/education/guides/zfn9q6f/revision http://www.bbc.co.uk/education/guides/zb3j6sg/revision  Energy:- http://www.bbc.co.uk/education/guides/zhhcwmn/revision http://www.bbc.co.uk/education/guides/zssk7ty/revision

Spring 2	Beginning of KS4 work (AQA GCSE)	End of topic test to be completed	
	Biology – 4.1 Cell Biology -	at the end of each subject.	Cell biology:-
	4.1.1 Cell Structure		http://www.bbc.co.uk/education/guides/zgcxsbk/revision/1
	<ul> <li>Chemistry – 5.1 Atomic</li> </ul>		Atomic structure and the periodic table:-
	structure and the periodic		http://www.bbc.co.uk/education/guides/zsp4jxs/revision
	table - 5.1.1 A simple model		
	of the atom, symbols.		
	Relative atomic mass,		Atomic structure and the periodic table:-
	electronic charge and		http://www.bbc.co.uk/education/guides/zfn9q6f/revision
	isotopes		http://www.bbc.co.uk/education/guides/zb3j6sg/revision
	Physics – 6.1 Energy – 6.1.1		
	Energy changes and storage		
			Energy:-
			http://www.bbc.co.uk/education/guides/zhhcwmn/revision
			http://www.bbc.co.uk/education/guides/zssk7ty/revision
Summer 1	<ul> <li>Biology – 4.1 Cell Biology -</li> </ul>	End of topic test to be completed	Cell biology:-
	4.1.3 Transport in Cells	at the end of each subject	http://www.bbc.co.uk/education/guides/zc9tyrd/revision
	0		Atomic structure and the nariadis table.
	• Chemistry – 5.1 Atomic		Atomic structure and the periodic table:- http://www.bbc.co.uk/education/guides/zfn9q6f/revision
	structure and the periodic		http://www.bbc.co.uk/education/guides/zin9q6i/revision http://www.bbc.co.uk/education/guides/zb3j6sg/revision
	table - 5.1.2 The periodic table		ittp://www.bbc.co.uk/education/guides/2b5josg/Tevision
	table		Energy:-
	<ul> <li>Physics – 6.1 Energy – 6.1.2</li> </ul>		http://www.bbc.co.uk/education/guides/znn9q6f/revision
	Conservation and dissipation		http://www.bbc.co.uk/education/guides/zpp4jxs/revision
	of energy and 6.1.3 National		instally full the second of th
	and global energy resources		
	and global chergy resources		

Summer 2	<ul> <li>Biology – 4.1 Cell Biology - 4.1.3 Transport in Cells</li> </ul>	End of topic test to be completed at the end of each subject	Cell biology:- http://www.bbc.co.uk/education/guides/zc9tyrd/revision
	<ul> <li>Chemistry – 5.2 Bonding, structure, and the properties of matter - 5.2.1 Chemical bonds, ionic, covalent and metallic</li> </ul>		Bonding, structure and the properties of matter:- http://www.bbc.co.uk/education/guides/zd8hvcw/revision http://www.bbc.co.uk/education/guides/z94xsbk/revision
	<ul> <li>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</li> </ul>		Particle model of matter:- http://www.bbc.co.uk/education/guides/zgr2pv4/revision http://www.bbc.co.uk/education/guides/zbg7hyc/revision