

## Year 7 Science Curriculum Overview 2017-2018 - Science

Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Chemistry	Physics	Biology	Chemistry	Physics	Biology
<b>Content</b>	<b>Content</b>	<b>Content</b>	<b>Content</b>	<b>Content</b>	<b>Content</b>
Chemical Reactions Chemical Analysis	Forces Electrical Circuits and Magnets	Cells Reproduction	Periodic Table	Energy Resources Sound	Revision for the end of year exam  Ecosystems
<b>Assessment</b>	<b>Assessment</b>	<b>Assessment</b>	<b>Assessment</b>	<b>Assessment</b>	<b>Assessment</b>
Baseline assessment & 2 weeks of Chemical Reactions	Chemical Analysis & Chemical Reactions	Forces & Electrical Circuits	Cells & Reproduction	Periodic Table & Synoptic Chemistry	End of year exam

Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Biology	Physics	Chemistry	Biology	Chemistry	Physics
<b>Content</b> Health & Disease Photosynthesis	<b>Content</b> Energy Resources Light	<b>Content</b> Materials	<b>Content</b> Systems Transport Systems	<b>Content</b> Rocks, Earth & Atmosphere	<b>Content</b> Revision for the end of year exam Forces & Motion
<b>Assessment</b> Health & Disease Photosynthesis <b>Synoptic Biology</b>	<b>Assessment</b> Energy Store, pathways & heat transfer & Synoptic Physics	<b>Assessment</b> Materials & Synoptic Chemistry	<b>Assessment</b> Systems & Synoptic Biology	<b>Assessment</b> Rocks, Earth & Atmosphere & Synoptic Chemistry	<b>Assessment</b> End of year exam

Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Biology	Chemistry	Physics	Biology	Chemistry	Physics
<b>Content</b>  4.1.1 Cell Structure  4.2 Organisation	<b>Content</b>  5.1 Atomic Structure & Periodic Table  5.2.1 Bonding 6.4 Atomic Structure (Overlap with Chemistry)	<b>Content</b>  6.4 Atomic Structure (Overlap with Chemistry)  6.3 Particle Model of Matter	<b>Content</b>  4.3 Infection & Response  4.4.1 Photosynthesis	<b>Content</b>  5.5 Exothermic & Endothermic  5.7 Organic Chemistry	<b>Content</b>  Revision for the end of year exam  6.2.1-6.2.3 Electricity
<b>Assessment</b>  Biology	<b>Assessment</b>  Chemistry with some Biology	<b>Assessment</b>  Physics with some chemistry	<b>Assessment</b>  Synoptic biology	<b>Assessment</b>  Synoptic Chemistry	<b>Assessment</b>  End of year exam
<b>AQA Required Practicals</b>  1 - Microscopes	<b>AQA Required Practicals</b>  None	<b>AQA Required Practicals</b>  17 - Density	<b>AQA Required Practicals</b>  5 – Light Intensity and Photosynthesis	<b>AQA Required Practicals</b>  10 – Temperature changes	<b>AQA Required Practicals</b>  15 - Circuits 16 – Resistance

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
	4.4 Bioenergetics 5.4 Chemical changes	5.5 Exothermic and Endothermic 5.6 Rates of reaction 6.2 Electricity	6.1 Energy 5.7 Organic Chemistry	4.5 Homeostasis 5.6 Equilibria 5.2 Structure & Properties	5.9 Chemistry of Atmosphere 4.6 Variation	5.10 Using Resources 4.7 Ecology
Required Practical	5 – Light intensity & Photosynthesis 9 - Electrolysis	10 – Temperature changes 11 – Concentration and Rates		6 – Reaction Time		7 – Population Size of Habitats
Assessments	Biology	Chemistry	Physics	Chemistry 2		Year 10 Exams Week Biology, Chemistry & Physics

## Year 11 Curriculum Overview 2017-2018 - Science

Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Chemistry	Biology and Chemistry	Physics	Chemistry		Exam Dates
5.6 Rates of reaction recap 5.7 Organic Chemistry	5.3 Quantitative Chemistry	6.1 Energy 6.3 Particle model of matter 6.7 Magnetism	5.9 Atmosphere 5.10 Using Resources Bio revision	Bio, Chem and Physics revision	B1 15th May pm C1 17th May am P1 23rd May pm B2 11th June am C2 13th June pm P2 15th June am
4.6 Inheritance	5.6 Equilibria				
	Waves revision				
Required practicals 11 – Concentration and Rates 9 - Electrolysis	Required practicals	Required practicals 14 – specific heat capacity 17 – density 20 – waves 21 – Radiation and absorption	Required practicals 13 – water purification	Required practicals	
Chemistry	November PPE's	Physics with some biology and chemistry	March PPE's	Physics and Chemistry  Year 11 exams start	Year 11 exams