

Separate Sciences	Autumn Term	Spring term	Summer term	Assessment of learning	Enrichment opportunities / wider reading
Year 9			B3 Infection & Response	<p>Each unit includes:</p> <p>investigation write up assessment (linked to required practical)</p> <p>a summative end of unit test</p>	<p>AQA Collins GCSE revision guide https://www.bbc.com/bitesize/levels/z98jmp3 BBC Class clips Oak National Academy Online Classroom (thenational.academy) GCSEPrepper https://www.gcseprepper.co.uk/ Seneca - https://senecalearning.com/ Isaac Physics - https://isaacphysics.org/ STEM projects - UU/Sellafield/Conference</p>
			C2 Bonding & Structure C1 Atomic Structure & Periodic Table		
			P1 Energy		
Year 10	B1 Cell biology B4 Bioenergetics	B2 Organisation	B7 Ecology	<p>In addition there are mock exams linked to the school assessment calendar</p> <p>Homeworks:</p> <p>Weekly retrieval and exam practice set via GCSEPrepper</p>	<p>AQA Collins GCSE revision guide https://www.bbc.com/bitesize/levels/z98jmp3 BBC Class clips Oak National Academy Online Classroom (thenational.academy) GCSEPrepper https://www.gcseprepper.co.uk/ Seneca - https://senecalearning.com/ Isaac Physics - https://isaacphysics.org/ STEM Careers Day / Engineering Workshops</p>
	C5 Energy Transfer C4 Electrolysis	C3 Quantitative Analysis	C6 Rate of Chemical Change		
	P2 Electricity P4 Atomic Structure	P3 Matter P2 Domestic Electricity	P7 Waves		
Year 11	B6 Inheritance, Variation, Evolution B7 Ecology Y10 review	B5 Homeostasis & Response	Required Practical review		<p>EPS Sessions on Wednesday 2.30 - 3.15pm AQA Collins GCSE revision guide https://www.bbc.com/bitesize/levels/z98jmp3 BBC Class clips Oak National Academy Online Classroom (thenational.academy) GCSEPrepper https://www.gcseprepper.co.uk/ Seneca - https://senecalearning.com/ Isaac Physics - https://isaacphysics.org/</p>
	C7 Organic Chemistry C8 Chemical Analysis	C10 Using Resources C9 Atmosphere	Revision		
	P5 Forces	P8 Space P7 Magnetism & Electromagnetism	Exam preparation		

B/C/P denotes Biology/Chemistry/Physics units. These are taught as independent GCSE courses

Assessment Map 2022-23



Department: **Science**

EPS	Year 7	Year 8	Year 9	Year 10	Year 11
<p>EPS 2 Nov 2022</p>	<p>Baseline assessment completed in September</p> <p>Focus: Initial assessment</p> <p>Structure: 45 minutes Multiple-choice Short-answer questions</p> <p>Knowledge and skills assessed: Practical skills Cells & Movement Working scientifically</p>	<p>Focus: Mixed assessment</p> <p>Structure: 45 minutes Multiple-choice Short-answer questions</p> <p>Knowledge and skills assessed: Practical skills Breathing Forces Periodic Table Working scientifically</p>	<p>Focus: Mixed assessment</p> <p>Structure: 1 hour Short-answer questions Longer-answer questions</p> <p>Knowledge and skills assessed: <i>Biology:</i> Cells to Systems <i>Chemistry:</i> Molecules and Trends <i>Physics:</i> Energy in the Home Working scientifically</p>	<p>Focus: Mixed assessment</p> <p>Structure: Adapted Paper 1 mock exam 3 x 1 hour papers (Trilogy) 3 x 1 hour 30 minutes (Triple)</p> <p>Single Tier</p> <p>Knowledge and skills assessed: <i>Biology:</i> B1 Cell Biology; B3 Infection & Response; <i>Chemistry:</i> C2 Bonding, Structure & Properties of Matter; C5 Energy Changes <i>Physics:</i> P1 Energy, P2 Electricity</p>	<p>Focus: Mixed assessment</p> <p>Structure: Full Paper 1 mock exam 3 x 1 hour 15 minutes (Trilogy) 3 x 1 hour 45 minutes (Triple)</p> <p>Higher and Foundation Tiers</p> <p>Knowledge and skills assessed: <i>Biology:</i> B1 Cell Biology; B2 Organisation; B3 Infection & Response; B4 Bioenergetics <i>Chemistry:</i> C1 Atomic Structure & Periodic Table; C2 Bonding, Structure & Properties of Matter; C3 Quantitative Chemistry; C4 Chemical Changes; C5 Energy Changes <i>Physics:</i> P1 Energy; P2 Electricity; P3 Particle Model of Matter; P4 Atomic Structure</p>
<p>EPS 3/4 March 2023</p>	<p>Focus: Mixed Assessment</p> <p>Structure: 1 hour Multiple-choice Short-answer questions</p> <p>Knowledge and skills assessed: Earth & Universe Particles Forces Reproduction Working Scientifically</p>	<p>Focus: Mixed Assessment</p> <p>Structure: 1 hour Multiple-choice Short-answer questions</p> <p>Knowledge and skills assessed: Periodic Table Digestion Light Reactions Working Scientifically</p>	<p>Focus: End of KS3 Exam</p> <p>Structure: 1 hour multiple choice (computer based) 1 hour written Short-answer questions Longer-answer questions</p> <p>Knowledge and skills assessed: Summative assessment of KS3 knowledge, mainly linked to Y9 bridging topics <i>Biology:</i> Cells to Systems / Plants <i>Chemistry:</i> Molecules and trends/Reactions/Acids <i>Physics:</i> Energy, Forces Working Scientifically</p>	<p>Focus: Mixed assessment</p> <p>Structure: Adapted Paper 1 mock exam 3 x 1 hour 15 minutes (Trilogy) 3 x 1 hour 45 minutes (Triple)</p> <p>Higher and Foundation Tiers</p> <p>Knowledge and skills assessed: <i>Biology:</i> B1 Cell Biology; B3 Infection & Response; B4 Photosynthesis only <i>Chemistry:</i> C1 Atomic Structure & Periodic Table; C2 Bonding, Structure & Properties of Matter; C4 Chemical Changes; C5 Energy Changes <i>Physics:</i> P1 Energy, P2 Electricity, P4 Atomic Structure</p>	<p>Focus: Mixed assessment</p> <p>Structure: Full Paper 2 mock exam 3 x 1 hour 15 minutes (Trilogy) 3 x 1 hour 45 minutes (Triple)</p> <p>Higher and Foundation Tiers</p> <p>At this stage pupils will be sitting the tier they will sit in the summer exams.</p> <p>Knowledge and skills assessed: <i>Biology:</i> B5 Homeostasis & Response; B6 Inheritance, Variation & Evolution; B7 Ecology; Key Ideas <i>Chemistry:</i> C6 Rate & Extent of Chemical Change; C7 Organic Chemistry; C8 Chemical Analysis; C9 Chemistry of the Atmosphere; C10 Using Resources; Key Ideas <i>Physics:</i> P5 Forces; P6 Waves; P7 Magnetism & Electromagnetism; P8 Space (Triple only); Key Ideas</p>

<p>EPS 5 May 2023</p>	<p><u>Focus:</u> End of Year Exam</p> <p><u>Structure:</u> 1 hour Multiple-choice Short-answer questions Longer-answer questions</p> <p><u>Knowledge and skills assessed:</u> Earth & Universe Particles & Periodic Table Forces Reactions Reproduction Ecology Matter Working Scientifically</p>	<p><u>Focus:</u> End of Year Exam</p> <p><u>Structure:</u> 1 hour Multiple-choice Short-answer questions Longer-answer questions</p> <p><u>Knowledge and skills assessed:</u> Breathing Forces Periodic Table Digestion Light & Sound Reactions Matter Electricity & Magnetism Working Scientifically</p>	<p><u>Focus:</u> Mixed assessment</p> <p><u>Structure:</u> 3 x 1 hour papers (B/C/P)</p> <p><u>Knowledge and skills assessed:</u> <i>Biology:</i> Infection & Response <i>Chemistry:</i> Molecules and trends/Reactions/Acids/Separation techniques <i>Physics:</i> Energy, Forces, Matter</p>		
<p>EPS 6 July 2023</p>	<p><u>Focus:</u> End of topic combined test</p> <p><u>Structure:</u> 2 x 30 mins Multiple-choice Short answer questions</p> <p><u>Knowledge and skills assessed:</u> Genetics & Variation / Acids & Alkalis Reactions 1 / Electricity</p>	<p><u>Focus:</u> End of topic combined test</p> <p><u>Structure:</u> 2 x 30 mins Multiple-choice Short answer questions</p> <p><u>Knowledge and skills assessed:</u> Ecosystems / Genetics & Inheritance Earth & its structure / Energy</p>		<p><u>Focus:</u> Mixed assessment</p> <p><u>Structure:</u> Full Paper 1 mock exam 3 x 1 hour 15 minutes (Trilogy) 3 x 1 hour 45 minutes (Triple)</p> <p>Higher and Foundation Tiers</p> <p><u>Knowledge and skills assessed:</u> <i>Biology:</i> B1 Cell Biology; B2 Organisation; B3 Infection & Response; B4 Bioenergetics</p> <p><i>Chemistry:</i> C1 Atomic Structure & Periodic Table; C2 Bonding, Structure & Properties of Matter; C3 Quantitative Chemistry; C4 Chemical Changes; C5 Energy Changes</p> <p><i>Physics:</i> P1 Energy; P2 Electricity; P3 Particle Model of Matter; P4 Atomic Structure</p>	