

Physics Curriculum Map							
Year		Autumn Term		Spring Term		Summer Term	
		1st Half Term	2nd Half Term	1st Half Term	2nd Half Term	1st Half Term	2nd Half Term
7	Topic / Key Ideas	Motion	Forces	Sound	Light	Energy stores and transfer	Energy sources End of term project
	Assessment	Practical skills assessment	Assessment of Autumn content	Knowledge test and extended writing	Assessment of Autumn and Spring content	Knowledge test and extended writing	EOY Assessment covering all Y7 content

Assessment objectives: 40% AO1, 40% AO2 and 20% AO3.
Practical skills: 15% on each paper.
Extended writing: One six-mark question on each paper.
Maths: Biology 10%, Chemistry 20%, Physics 30%.

8	Topic / Key Ideas	Circuits	Electromagnets	Pressure	Heat transfer	Waves	Radiation End of term project	
	Assessment	Knowledge test and extended writing	Assessment of Y7 content and Y8 Autumn content Weighting: 20% Y7, 80% Y8	Knowledge test and extended writing	Assessment of Y7 content and Y8 Autumn and Spring content Weighting: 35% Y7, 65% Y8	Knowledge test and extended writing	EOY Assessment covering all Y7 and 8 content. Weighting: 50% Y7, 50% Y8	
9	Topic / Key Ideas	P1: Energy changes in a system	P1: Power and efficiency	P1: Electricity	P1: Electricity	P1: Particle model	P1: Atoms	
	Assessment	Knowledge test and extended writing	Assessment of Y7, Y8 content and Y9 Autumn content Weighting: 20% Y7 and Y8, 80% Y9	Knowledge test and extended writing	Assessment of Y7, Y8 content and Y9 Autumn and Spring content Weighting: 35% Y7 and Y8, 65% Y9	Knowledge test and extended writing	EOY Assessment covering all Y9 content - scaled back B1 exam	
10	Topic / Key Ideas	P1 and P2: Maths in Science	P2: Forces and work done	P2: Forces and motion	P2: Forces and Newton's Laws	P2: Waves	P2: EM Waves	
	Assessment	Knowledge test and extended writing	Full B1 Knowledge test 2019 B1 Mock Exam	Knowledge test and extended writing	Assessment of B1 and Y10 Spring content Weighting: 50% B1 and Y8, 50% Y10 Spring	Knowledge test and extended writing	EOY Assessment covering all Y9 and Y10 content - full 2020 B1 and scaled back P2 exam	

11	Topic / Key Ideas	P2: Electromagnetism	P1 and P2: Maths in Science	P1 and P2: Scientific and practical skills	Revision	P1 Exam	P2 Exam	
	Assessment	Knowledge test and extended writing	Full P2 Knowledge test 2020 P2 Mock Exam	Practical assessments and exam question practice	2021 and 2022 P1 and P2 Mock Exams	P1 Exam	P2 Exam	

Chemistry Curriculum Map								
Year		Autumn Term		Spring Term		Summer Term		Assessment objectives: 40% AO1, 40% AO2 and 20% AO3. Practical skills: 15% on each paper. Extended writing: One six-mark question on each paper. Maths: Biology 10%, Chemistry 20%, Physics 30%.
		1st Half Term	2nd Half Term	1st Half Term	2nd Half Term	1st Half Term	2nd Half Term	

7	Topic / Key Ideas	Particle model	Separating substances	Acids and bases	Chemical reactions	Earth structure	Universe End of term project
	Assessment	Practical skills assessment	Assessment of Autumn content	Knowledge test and extended writing	Assessment of Autumn and Spring content	Knowledge test and extended writing	EOY Assessment covering all Y7 content
8	Topic / Key Ideas	Elements	Periodic Table	Chemical equations	Chemical energy	Climate change	Recycling End of term project
	Assessment	Knowledge test and extended writing	Assessment of Y7 content and Y8 Autumn content Weighting: 20% Y7, 80% Y8	Knowledge test and extended writing	Assessment of Y7 content and Y8 Autumn and Spring content Weighting: 35% Y7, 65% Y8	Knowledge test and extended writing	EOY Assessment covering all Y7 and 8 content. Weighting: 50% Y7, 50% Y8
9	Topic / Key Ideas	C1: Atomic structure	C1: Bonding and structure of substances	C1: Bonding and structure of substances	C1: Periodic Table and groups	C1: Quantitative chemistry	C1: Chemical changes
	Assessment	Knowledge test and extended writing	Assessment of Y7, Y8 content and Y9 Autumn content Weighting: 20% Y7 and Y8, 80% Y9	Knowledge test and extended writing	Assessment of Y7, Y8 content and Y9 Autumn and Spring content Weighting: 35% Y7 and Y8, 65% Y9	Knowledge test and extended writing	EOY Assessment covering all Y9 content - scaled back B1 exam

10	Topic / Key Ideas	C1: Chemical changes	C1: Energy changes	C2: Rates of reaction	C2: Rates of reaction	C2: Organic Chemistry	C2: Chemistry of the atmosphere	
	Assessment	Knowledge test and extended writing	Full B1 Knowledge test 2019 B1 Mock Exam	Knowledge test and extended writing	Assessment of B1 and Y10 Spring content Weighting: 50% B1 and Y8, 50% Y10 Spring	Knowledge test and extended writing	EOY Assessment covering all Y9 and Y10 content - full 2020 B1 and scaled back C2 exam	
11	Topic / Key Ideas	C2: Chemical analysis	C2: Using resources	C1 and C2: Scientific and practical skills	Revision	C1 Exam	C2 Exam	
	Assessment	Knowledge test and extended writing	Full C2 Knowledge test 2020 C2 Mock Exam	Practical assessments and exam question practice	2021 and 2022 C1 and C2 Mock Exams	C1 Exam	C2 Exam	

Biology Curriculum Map					
Year		Autumn Term	Spring Term	Summer Term	Assessment objectives: 40% AO1, 40% AO2 and 20% AO3. Practical skills: 15% on each paper. Extended writing: One

								six-mark question on each paper. Maths: Biology 10%, Chemistry 20%, Physics 30%.
		1st Half Term	2nd Half Term	1st Half Term	2nd Half Term	1st Half Term	2nd Half Term	
7	Topic / Key Ideas	Cells	Movement	Reproduction in humans	Reproduction in plants	Interdependence	Variation End of term project	
	Assessment	Practical skills assessment	Assessment of Autumn content	Knowledge test and extended writing	Assessment of Autumn and Spring content	Knowledge test and extended writing	EOY Assessment covering all Y7 content	
8	Topic / Key Ideas	Gas exchange	Digestive system	Respiration	Photosynthesis	Inheritance	Evolution End of term project	
	Assessment	Knowledge test and extended writing	Assessment of Y7 content and Y8 Autumn content Weighting: 20% Y7, 80% Y8	Knowledge test and extended writing	Assessment of Y7 content and Y8 Autumn and Spring content Weighting: 35% Y7, 65% Y8	Knowledge test and extended writing	EOY Assessment covering all Y7 and 8 content. Weighting: 50% Y7, 50% Y8	

9	Topic / Key Ideas	B1: Cell structure and transport	B1: Cell division	B1: Infection and response	B1: Communicable and non-communicable diseases	B1: Human organ systems	B1: Respiration	
	Assessment	Knowledge test and extended writing	Assessment of Y7, Y8 content and Y9 Autumn content Weighting: 20% Y7 and Y8, 80% Y9	Knowledge test and extended writing	Assessment of Y7, Y8 content and Y9 Autumn and Spring content Weighting: 35% Y7 and Y8, 65% Y9	Knowledge test and extended writing	EOY Assessment covering all Y9 content - scaled back B1 exam	
10	Topic / Key Ideas	B1: Plant organ systems	B1: Photosynthesis	B2: Ecosystems and biodiversity	B2: Material cycles	B2: Inheritance	B2: Evolution	
	Assessment	Knowledge test and extended writing	Full B1 Knowledge test 2019 B1 Mock Exam	Knowledge test and extended writing	Assessment of B1 and Y10 Spring content Weighting: 50% B1 and Y8, 50% Y10 Spring	Knowledge test and extended writing	EOY Assessment covering all Y9 and Y10 content - full 2020 B1 and scaled back B2 exam	
11	Topic / Key Ideas	B2: Nervous system	B2: Homeostasis	B1 and B2: Scientific and practical skills	Revision	B1 Exam	B2 Exam	
	Assessment	Knowledge test and extended writing	Full B2 Knowledge test 2020 B2 Mock Exam	Practical assessments and exam question practice	2021 and 2022 B1 and B2 Mock Exams	B1 Exam	B2 Exam	

