



Year 11 Unit 1								
Week	1	2	3	4	5	6	7	8
Date wb	Tues 6 <sup>th</sup> Sept	Mon 12 <sup>th</sup> Sept	19 <sup>th</sup> Sept	26 <sup>th</sup> Sept	3 <sup>rd</sup> Oct	10 <sup>th</sup> Oct	31 <sup>st</sup> Nov	7 <sup>th</sup> Nov
Key dates								
Big ideas (key concepts)	Chemistry 6 – Rates of Reaction		Chemistry 7 - Hydrocarbons		Chem 8 – Chem Analysis	Chem 9 - Atmosphere		
Lesson topics sequence	C6.1 Measuring rates  C6.2 Measuring rates  C6.3 RP Concentration (gas)  C6.4 RP Concentration (colour)	C6.5 Surface area  C6.6 Collision theory  C6.7 Catalysts  C6.8 Reversible reactions	C6.9 Equilibrium  C6 Review / PPQs  C7.1 Crude oil  C7.2 Alkanes	C7.3 Fractional distillation  C7.4 Properties of hydrocarbons  C7.5 Cracking & alkenes  C7.6 Combustion	C8.1 Pure substances  C8.2 Formulations  C8.3 Chromatog  C8.4 RP Chromatog	C8.5 Gas Tests  C7 & C8 Test  C9.1 Proportion of gases in the atmosphere  C9.2 Early atmosphere	C9.3 How oxygen increased  C9.4 How carbon dioxide decreased  C9.5 Greenhouse gases  C9.6 Climate change	C9.7 Carbon footprint  C9.8 Limitations on carbon footprint reduction  C9.9 Atmospheric pollution  C10.1 Using earth's resources
Key assessments						C7&8 Test		
Home Learning	SQ C6 KO Number 1-5	C6 Practice Questions	SQ C7 KO Number 1-6	SQ C7 KO Number 7-15	SQ C7 KO Number 19-28	SQ C9 KO Number 1-11	SQ C9 KO Number 12-18	C9 Practice Questions

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Yr 11 Unit 2								
Week	1	2	3	4	5	6	7	8
Date wb	14 <sup>th</sup> Nov	21 <sup>st</sup> Nov	28 <sup>th</sup> Nov	5 <sup>th</sup> Dec	12 <sup>th</sup> Dec	Tues 3 <sup>rd</sup> Jan	Mon 9 <sup>th</sup> Jan	16 <sup>th</sup> Jan
Key dates		Mock Exams	Mock Exams					
Big ideas (key concepts)	C10 Using Resources			C10 Finish		Phys 5 Forces		
Lesson topics sequence	C10.2 Potable water  C10.3 RP Analysis of water  C10.4 RP Purification of water  C10.5 Waste water treatment	Mock Exams:  Biol Paper 1	Mock Exams  Phys Paper 1  Chem Paper 2	C10.6 Bioleaching & Phytomining  C10.7 LCAs  C10.8 Reduce reuse recycle  Mock Review	Mock Review  Mock Review  Mock Review  P5.1 Vectors & Scalars	P5.2 Heavy or massive  P5.3 Resultant forces  P5.4 Free body diagrams	P5.5 Resolving vectors (HT)  P5.6 Work & Energy  P5.7 Forces & Elasticity  P5.8 RP Force on a spring	P5.9 Work on a spring  P5.10 Displacement & Velocity  P5.11 D-T graphs  P5.12 Acceleration

Key assessments		Mock Exams						
Home Learning	Mock Revision	Mock Revision		SQ C10 KO Number 6-14	SQ C10 KO Number 17-26	SQ P5 KO Number 1-9	SQ P5 KO Number 37-42	SQ P5 KO Number 43-55

Yr11 Unit 3								
Week	1	2	3	4	5	6	7	8
Date wb	23 <sup>rd</sup> Jan	30 <sup>th</sup> Jan	6 <sup>th</sup> Feb	20 <sup>th</sup> Feb	27 <sup>th</sup> Feb	6 <sup>th</sup> March	13 <sup>th</sup> March	20 <sup>th</sup> March
Key dates				Mock Exams	Mock Exams			
Big ideas (key concepts)	Phys 5 Forces					Phys 6 Waves		Phys 7 Electromag
Lesson topics sequence	P5.13 V-T graphs  P5.14 Motion equations  P5.15 Terminal velocity  P5.16 Newtons 1 <sup>st</sup>	P5.17 Newtons 2 <sup>nd</sup>  P5.18 RP F=ma  P5.19 Newtons 3 <sup>rd</sup>  P5.20 Stopping distances	P5.21 Energy when stopping  P5.22 Momentum  P5.23 Conservation of momentum  P6.1 Describing waves	Mock Exams  Biol Paper 2  Chem Paper 1	Mock Exams    P6.2 Transverse & Longitudinal  P6.3 Wave speed	P6.4 RP Speed of waves  P6.5 Refraction  P6.6 EM Spec (part 1)  P6.7 Uses of EM	P6.8 Properties of EM  P6.9 Radio & Micro  P6.10 RP Infrared  Mock Review	Mock Review  P7.1 Magnetism  P7.2 Mag fields  P7.3 Mag & electricity – solenoids



<b>Key assessments</b>				Mock Exams				
<b>Home Learning</b>	SQ P5 KO Number 56-61	SQ P5 KO Number 62-66	P5 Practice Qs/ Mock Revision	Mock Revision	SQ P6 KO Number 1-8	SQ P6 KO Number 15- 17	Phys 6 Practice Qs	SQ P7 KO Number 1-11

Yr11 Unit 4								
Week	1	2	3	4	5	6	7	8
<b>Date wb</b>	27 <sup>th</sup> March	17 <sup>th</sup> April	24 <sup>th</sup> April	Tues 2 <sup>nd</sup> May	Mon 8 <sup>th</sup> May	15 <sup>th</sup> May	22 <sup>nd</sup> May	5 <sup>th</sup> June
<b>Key dates</b>	Phys 2 Mock Exam					GCSE Exams	GCSE Exams	GCSE Exams
<b>Big ideas (key concepts)</b>	Phys 7 (cont)	Exam Numeracy		Revision				



<b>Lesson topics sequence</b>	P7.4 Electromagnets P7.5 F=BIL (HT)  P7.6 Motors (HT)  Mock Phys Paper 2	Mock Review  1. Maths skills – re-arranging  2. Phys Equations practice  3. Maths skills – sig figs & units	4. Graph skills  5. Data handling – mean / range / % change	Revision as informed by mock analysis	Revision as informed by mock analysis	Biol Paper 1	Chem Paper 1	Phys Paper 1  Biol Paper 2
<b>Key assessments</b>	Phys 2 Mock					GCSEs		
<b>Home Learning</b>	SQ P7 KO Number 15-17	Revision	Revision	Revision	Revision	Revision	Revision	Revision

Yr11 Unit 5								
Week	1	2	3	4	5	6	7	
<b>Date wb</b>	12 <sup>th</sup> June	19 <sup>th</sup> June	26 <sup>th</sup> June	3 <sup>rd</sup> July	10 <sup>th</sup> July	17 <sup>th</sup> July	24 <sup>th</sup> July	
<b>Key dates</b>	GCSE Exams	GCSE Exams	Finished!					
<b>Big ideas (key concepts)</b>								



<b>Lesson topics sequence</b>	Chem Paper 2	Phys Paper 2					End of Term	
<b>Key assessments</b>	Revision							
<b>Home Learning</b>								