

Year 7 Unit 1								
Week	1	2	3	4	5	6	7	8
Date wb	5 th Sept	12 th Sept	19 th Sept	26 th Sept	3 rd Oct	10 th Oct	31 st Nov	7 th Nov
Key dates								
Big ideas (key concepts)	Introduction to Science		Biology Units 1 (Living Systems) & Biology 2 (Food & Digestion)					
Lesson topics sequence	1. Science Lab Safety 2. Science Careers	3. Lab Equipment 4. Boiling Water investigation 5. British Scientists	B.1.6 Microscope training B1.8 Looking at Cells Yr7 Baseline Assessment (may occur earlier)	B1.7 Plant & Animal Cells B1.4 Chicken Wing Dissection B1.1 Organs	B2.1 Balanced diet B2.2 Food Tests (sugar & starch) B1.2 Muscles	B2.5 Energy Requirements B2.6 Malnutrition & Obesity B1.3 Skeleton & Bones	B2.7 Digestive System B2.8 Digestive Adaptations & Enzyme theory B1.5 Organisation – cells, tissues, organs & systems	B2.9 Enzymes investigation B2.10 Alcohol Biol Test
Key assessments								Biol Test (KTA)
Home Learning	Write a short 'disaster in the lab' story where someone ignores the lab rules!	1 page research on either a science career or famous British scientist	SQ B1 KO Number 1-5	SQ B1 KO Number 22	SQ B1 KO Number 17-19	SQ B2 KO Number 1-8	SQ B2 KO Number 9-15	SQ B2 KO Number 16-22

Yr 7 Unit 2								
Week	1	2	3	4	5	6	7	8
Date wb	14 th Nov	21 st Nov	28 th Nov	5 th Dec	12 th Dec	Tues 3 rd Jan	Mon 9 th Jan	16 th Jan
Key dates								
Big ideas (key concepts)	Teacher 1: Chem 1 Solids, Liquids & Gases Teacher 2: Chem 2 (Earth Science) – Earth & Atmosphere						Teacher 1: Phys 1 Forces Teacher 2: Earth & Atmosphere	
Lesson topics sequence	C1.1 Solids, Liquids, Gases. C1.2 Particle Model C2.1 Earth Structure	C1.3 Particle Behaviour C1.4 Changing State C2.2 Igneous Rocks	C1.5 Diffusion C1.6 Density in Liquids C2.3 Sedimentary Rocks	C1.7 Solutions & Solubility C1.8 Filtration C2.4 Metamorph ic rocks	C1.9 Evaporation C1.10 Distillation C2.5 Rock Cycle	C1.11 Chromatography C1 Test C2.6 Earth as a resource	P1.1 Speed P1.2 Distance- time graphs C2.7 Waste & Landfill	P1.3 Describing forces & free body diagrams P1.4 Resultant forces & review C2.8 Recycling
Key assessments						C1 Particles Test (KTA)		
Home Learning	SQ C1 KO Number 1-7	SQ C1 KO Number 6-14	SQ C1 KO Number 15-23	SQ C1 KO Number 28-34	SQ C1 KO Number 36-43	SQ C2 KO Number 5-10	P1 KO Number 22-29	P1 KO Number 1-9



Yr7 Unit 3								
Week	1	2	3	4	5	6	7	8
Date wb	23 rd Jan	30 th Jan	6 th Feb	20 th Feb	27 th Feb	6 th March	13 th March	20 th March
Key dates								
Big ideas (key concepts)	Teacher 1: Phys 1 Forces Teacher 2: Phys 6 Space				Teacher 1: Chem 3 Atoms, Elements, Compounds Teacher 2: Space (cont)			
Lesson topics sequence	P1.5 Gravity & Weight P1.6 Friction C2.9 The Atmosphere	P1.9 Floating & Sinking P1.10 Stretching & Squashing C2 Test	P1.11 Drag P1.12 Balanced & Unbalanced Forces P6.1 Solar System	Seneca Training P1 Test P6.2 Gravity & Orbits	C3.1 Describing Elements C3.2 Element Research P6.3 Sun & Stars	C3.3 Periodic Table C3.4 Compounds P6.4 Days & Seasons	C3.5 Naming Compounds C3.6 Word & Symbol Equations P6.5 The Moon	C3.7 Conservation of Mass C3.8 Pure or impure KTA
Key assessments		C2 Earth & Atmos Test		P1 Forces Test				KTA

Home Learning	SQ C2 KO Number 25-33	SQ P1 KO Number 30-36	SQ P1 KO Number 12-19	SQ P6 KO Number 1-8	SQ P6 KO Number 32-38	SQ C3 KO Number 1-10	SQ C3 KO Number 11-18	SQ C3 KO Number 19-23
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Yr7 Unit 4								
Week	1	2	3	4	5	6	7	8
Date wb	27 th March	17 th April	24 th April	Tues 2 nd May	Mon 8 th May	15 th May	22 nd May	5 th June
Key dates								
Big ideas (key concepts)	Teacher 1: Chem 3 Atoms, Elements, Compounds Teacher 2: Space (cont)			Teacher 1: Phys 3 Electricity Teacher 2: Space (cont)		Teacher 1: Phys 3 Electricity Teacher 2: Biol 5 Reproduction		
Lesson topics sequence	C3.9 Signs of a chemical reaction C3.10 Polymers P6.7 Galaxies & Universe	Chem: Pause & Review C3 Test P6.8 Telescopes	P2.1 Electrical Symbols & Circuit Diagrams P2.2 Conductors & Insulators P6.9 Exploring the Solar System	P2.3 Electrical Current P6.10 Water Rockets	P2.4 Electrical Safety P2.5 Parallel Circuits P6 Test	P2.6 Potential Difference P2.7 Resistance B5.1 Reproductive Organs	P2.8 Electrical Relationships P2.9 Energy = Power x time B5.2 Eggs & Sperm	P2.10 Static Electricity P2.11 Static uses & dangers B5.3 Fertilisation
Key assessments		C3 Elements & comp's Test			P6 Forces Test (KTA)			
Home Learning	SQ C3 KO Number 24-30	Space Creative Task – tbc.	SQ P3 KO Number 1-10	SQ P3 KO Number 11-17	SQ P3 KO Number 18-24	SQ P3 KO Number 25-32	SQ B5 KO Number 9-15	SQ B5 KO Number 16-23

Yr7 Unit 5								
Week	1	2	3	4	5	6	7	
Date wb	12 th June	19 th June	26 th June	3 rd July	10 th July	17 th July	24 th July	
Key dates								
Big ideas (key concepts)	Teacher 1: Phys 3 Electricity Teacher 2: Biol 5 Reproduction		Revision	EoY Exam	Teacher 1: Exam Review Teacher 2: Reproduction (cont)			
Lesson topics sequence	P2.11 Magnetism P2.12 Magnetic Fields B5.4 Puberty & Menstrual Cycle	P2.13 Electromagnets P2 Test B5.5 Pregnancy & Birth	Chem Revision Phys Revision B5.6 Healthy Pregnancy	EoY Exam Revision EoY Exam EoY Exam Review	Exam interventions B7.9 Sexual & Asexual reproduction B5.7 Structure of a flower	Exam interventions Variables B7.8 Pollen & Seed Dispersal	End of Term	
Key assessments		P2 Elec Test		EoY Exam				
Home Learning	SQ B5 KO Number 26-34	SQ P3 KO Number 33-39	SQ B5 KO Number 1-8	N/A	SQ B5 KO Number 38-45			



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