

SCIENCE - Walking Talking Fridays



Week commencing	Booklet number	Higher	Foundation	Year 11
2nd September	1	B1 Cells and organisation - magnification, stem cells and therapeutic cloning	B1 Cells and organisation - magnification calculation, osmosis RP, CHD and cell cycle	Inheritance, Variation and evolution
9th September	2	P1 Energy and Electricity - extension of spring, $V=IR$ and SHC	P1 Energy and Electricity - Efficiency, series and parallel, SHC and $V=IR$	
16th September	3	C1 Atomic structure and the periodic table - Medeleev, atomic struc and reactivity	C1 Atomic structure and the periodic table - history of the PT, atomic struc and reactivity	
23rd September	4	C1 Bonding- ionic, simple covalent, giant covalent and fullerenes and nanoparticles	C1 Bonding- ionic, simple covalent and their properties, and giant covalent	Rate and extent of chemical reactions
30th September	5	C1 Quantitative - RFM, moles, reacting masses and conc of solutions	C1 Quantitative - RFM, % of element by mass and balancing chemical equations	
7th October	6	C1 Chemical changes - Electrolysis ,Redox and 1/2 equations, and strong and weak acids	C1 Chemical changes - RP making soluble crystals, pH and electrolysis	Chemical Analysis
14th October	7	C1 Energy changes - Exo and Endo reactions and bond energy calcs	C1 Energy changes - Exo and Endo reaction definitions and energy profiles, and RP exo	Waves
21st October	8	B1 Infection & response and Bioenergetics - photosynthesis and controlling it, responding to vaccines and the effects of exercise	B1 Infection & response and Bioenergetics - development of medicines, exercise and respiration. Anaerobic respiration in brewing and bread making, and responding to vaccines	
Half term				
4th November	9	B2 Hormones, Inheritance and Ecology - Synapse, reflex arc, genetic cross and RP quadrats	B2 Hormones, Inheritance and Ecology - Synapse, reflex arc, genetic cross and RP quadrats	Organic Chemistry
11th November	10	C2 Rates and chem of the atmosphere- Le Chatelier, RP Temp (Thio and acid) and comparison of early and modern Earth's atmosphere	C2 Rates and chem of the atmosphere- Le Chatelier, RP Temp (Thio and acid) and comparison of early and modern Earth's atmosphere	Using resources
18th November	11	P2 Forces, Magnetism and Waves - Fleming's LHR, resultant forces, momentum and RP waves	P2 Forces, Magnetism and Waves - resultant forces, momentum and RP waves	
25th November	12	B2 Meiosis, Fossils and classification - Evolution of antibiotic resistant bacteria, classification, fossils and meiosis	B2 Meiosis, Fossils and classification - comparing mitosis and meiosis, fossils, classification and transects	Magnetism
2nd December	Revision			
9th December	Revision			
16th December	Revision			Ecology
Christmas Holidays				
6th January	13	B1 Organisation - digestive system, enzymes, food tests and absorption, and cancer	B1 Organisation - digestive system, enzymes, food tests and absorption, and cancer	Ecology
13th January	14	C1 Atomic structure and the periodic table - isotopes, electronic structure, atomic structure and knowledge of the PT	C1 Atomic structure and the periodic table - GP I and VIII, development of the PT and simple covalent bonding + properties	
20th January	15	P1 Energy and Particle model of matter - Ep and efficiency calcs, renewable and non renewable ways to generate electricity, states of matter and specific latent heat	P1 Energy and Particle model of matter - SHC, kinetic energy equation and calc, and electrical appliances	Paper 1 Revision
27th January	16	B1 Infection & response and Bioenergetics - immune response, exercise and respiration and uses of glucose	B1 Infection & response and Bioenergetics - limiting factors for photosynthesis, testing a leaf for starch	
3rd February	17	C1 Chemical changes- Using RAM, ionic equations, electrolysis and reactivity series	C1 Quantitative chemistry and Chemical changes - RFM % mass of an element and electrolysis	
10th February	18	P1 Atomic structure - Radioactivity and 1/2 life	P1 Atomic structure - Radioactivity and types of radiation	
Half term				
24th February	Revision			Year 11 intervention and revision
2nd March	Revision			
9th March	19	B2 common exam questions	B2 common exam questions	
16th March	20	C2 common exam questions	C2 common exam questions	
23rd March	21	P2 common exam questions	P2 common exam questions	
30th March	22	C2 common exam questions	C2 common exam questions	
Easter Holidays				
20th April	23	C1 common exam questions	C1 common exam questions	
27th April	24	P1 common exam questions	P1 common exam questions	
4th May	25	C1 common exam questions	C1 common exam questions	
11th May	26	B1 common exam questions	B1 common exam questions	
18th May	Revision			
Half term				
1st June	Revision			SUMMER EXAMS
8th June	Revision			