

# Year 11 Core & Additional Revision Plan HIGHER

Week Starts	CORE Unit 5 (SC1HP)		CORE Unit 6 (SC2HP)		ADDITIONAL Unit 5 (AS1HP)		ADDITIONAL Unit 6 (AS2HP)	
	Bio, Chem, Phys 1a	✓	Bio, Chem, Phys 1b	✓	Bio, Chem, Phys 2a	✓	Bio, Chem, Phys 2a	✓
13 Feb <small>HALF-TERM</small>	Atom structure, P. table, Elements vs compounds, Equations (45-49)		Generating Electricity Power stations, Nuclear. National Grid, Cables (89 - 96)		Atoms compounds and isotopes (39) Ionic bonding, ions and formulas, (40-42)			
20 Feb	Heat energy: Conduction, Convection, Radiation, & Evaporation (75 -78)		The Earth; plate tectonics, structure (70-71)		Covalent bonding and substances (43-45) New materials and Polymers (47-48)		Exo & Endothermic reactions (61)	
27 Feb	Applied heat energy: cooling, insulators, U values, homes. Sp. Heat Capacity (79-81)		Evolution of the atmosphere, Earth as a sustainable resource. (72)		Cells: structure, diffusion, specialised, organisation, Tissues of digestion (10 -13)		Enzymes & Digestion (21-23) Uses of Enzymes Respiration, Exercise (24-26)	
6 Mar	Crude Oil; distillation, properties & uses. As a fuel & environmental impact (58-62)		Evolution (42-43)		Velocity, acceleration, motion graphs, Mass, weight, gravity Resultant forces and acceleration (70-75)		Fossils, Extinction & Speciation (36-37)	
13 March	Metabolic rate, health factors, Diet, exercise (13-15) Nervous system, CNS, synapses and reflexes (20-21)		Products from Oil; Cracking, alkenes, ethanol, (64-65) Polymerisation and plastics (66)		Frictional force, drag, terminal velocity, stopping distances (76-77) Work done, kinetic & potential energy (78-79)		Mains electricity, the home, Fuses and Earthing (93-95)	
20 March	Fighting disease: white blood cells, vaccinations drugs, antibiotic resistance & drug trials (16-19 & 28)		Plant Oils; Uses, saturation, emulsions. (67-69)		Forces and elasticity (80) Momentum and collisions (82) Power, car design & safety (81, 83)		Rates of reaction, Measuring rates (55,56) Rates experiments (57,58) Collision theory, Catalysts (59,60)	
27 March	Extracting metals from ores & impacts. Metals, alloys and properties. (52- 57)		Waves: Light, reflection, refraction, diffraction, properties. (97-99)		Metallic bonding (46) Bonding review (46)		Electrolysis - Sodium Chloride, Aluminium ore & electroplating (66-68)	
3 April	Using Limestone & Limestone cycle (50-51)		Electromagnetic Spectrum; EM waves uses & communication (100-101)		Plants; Structure Photosynthesis Limiting factors Using glucose (14-17)		Acids & Alkalis, Acid + reactions Making salts, Ammonia (62-65)	
10 April <small>EASTER</small>	Energy transfers: Machines, Sankey diagrams, Efficiency, Power & Electricity costs. (82-87)		Adaptations, competition and Environmental change, Pyramids. Decay & Carbon cycle (31-36)		Distribution of organisms (18-19)		Energy & Power in circuits Power and Energy Change (96-97)	
17 April <small>EASTER</small>	Hormones incl. controlling female menstrual cycle, IVF and contraceptive pill (22-24)		Variation, Genes & Chromosomes, Reproduction (37-39) Cloning & Genetic engineering (40- 41)		Static electricity (85) Current, p.d. & basic circuits (86,87) Resistance, V=IR, circuit devices (88,89) Series & parallel circuits (90-92)		DNA & Fingerprinting Cell Division- Mitosis & Meiosis (27-29) Stem Cells, X&Y Chromosomes, The work of Mendel (30-32)	
24 April	Plant hormones & homeostasis (25-26) Drugs and recreational drugs (27, 29)		Waves: Sound - properties. Origin of Universe - Red Shift (102-4)		Relative formula and reacting mass calculations: % yield & reversible reactions (49-52)		Genetic Diagrams Genetic Disorders Embryo Screening (33-35)	
1 May	<b>Exam Question Practice LOADS !!!</b>		<b>Exam Question Practice LOADS !!!</b>		Chemical analysis and instrumental methods (53)		Radioactive decay, & radiation, Half-life, Uses of Radioactivity & Safety (98-103)	
8 May	<b>Exam Question Practice LOADS !!!</b>		<b>Exam Question Practice LOADS !!!</b>				Nuclear fission & fusion (104) Life cycle of stars (105)	
15 May	<b>Tue 16 May (1h 30) U5 EXAM SC1HP</b>		<b>Exam Question Practice LOADS !!!</b>					
22 May			<b>Wed 24 May (1h 30) U6 EXAM SC2HP</b>					
29 May					<b>Exam Question Practice LOADS !!!</b>		<b>Exam Question Practice LOADS !!!</b>	
5 June					<b>Fri 9 June (1h 30) U5 EXAM AS1HP</b>		<b>Exam Question Practice LOADS !!!</b>	
12 June		Key:	Bio topic	Chem topic	Phys topic		<b>Fri 16 June (1h 30) U6 EXAM AS2HP</b>	