

Week commencing	Topic	Paper	Subtopics included	Revision Guide Page Numbers	Required Practicals
15/01/2018	B1 Cell Structure and Transport	Biology Paper 1	Microscopy, animal and plant cells, eukaryotic and prokaryotic cells, specialised cells, diffusion, osmosis and active transport	11-14, 17-22,38	RP—Microscopes RP—Concentration on sugar solution
	C1 Atomic Structure	Chemistry Paper 1	Atomic structure, electron structures, separating mixtures fractional distillation and chromatography.	96-105, 113	RP —Chromatography
	P1 Conservation and dissipation of energy	Physics Paper 1	Energy types and transfers, GPE, kinetic energy, EPE, energy efficiency, electrical appliances and power	167-169, 172-174	
22/01/2018	B2 Cell Division	Biology Paper 1	Mitosis, meiosis and stem cells	15-16	
	C2 The periodic Table	Chemistry Paper 1	The periodic table - development and organisation, alkali metals and halogens	106-111	
	P2 Energy transfer by heating	Physics Paper 1	Conduction, specific heat capacity, heating and insulating buildings.	170-171	RP—Specific Heat Capacity
29/01/2018	B3 Organisation & the digestive system	Biology Paper 1	Tissues and organs, digestive system, food tests, enzymes	24–28	RP — Food Tests RP — Enzymes
	C3 Structure and bonding	Chemistry Paper 1	Ionic bonding, ionic structures, covalent bonding, giant covalent structures,	114-119	
	P3 Energy Resources	Physics Paper 1	Energy demands, solar and wind power, environmental issues	175-179	RP - insulators
05/02/2018	B4 Organising Animals and Plants	Biology Paper 1	The blood and blood vessels, the heart, breathing and gas exchange, tissues and organs in plants, evaporation and transpiration in plants.	29-32	
	C4 Chemical Calculations	Chemistry Paper 1	Masses and moles, concentrations,	123-126	RP - Titration
	P4 Electric Circuits	Physics Paper 1	Current, potential difference, resistance, series and parallel circuits.	180-187	RP - V-I Characteristics RP — Resistance of a Wire
12/02/2018	Revision for units identified for trial exams				
19/02/2018	B5 Communicable Diseases	Biology Paper 1	Disease, pathogens, viral bacterial and fungi infections. Preventing spread of infection and human defence responses.	42-46	
	C5 Chemical changes	Chemistry Paper 1	Reactivity series, displacement reactions, salts, neutralisation and pH scale, strong and weak acids.	128-131	
	P5 Electricity in the home	Physics Paper 1	Alternating current, cables and plugs, appliances in the home and efficiency	188-191	
26/02/2018	B6 Preventing and Treating Disease	Biology Paper 1	Antibiotics, vaccinations and drug development,	47-49	
	C6 Electrolysis	Chemistry Paper 1	Electrolysis of aluminium, Redox reactions	133-136	
05/03/2018	P6 Molecules and Matter	Physics Paper 1	Density, states of matter and specific latent heat,	121, 122, 193-196	
	B7 Non-communicable diseases	Biology Paper 1	Cancer, smoking, diet and exercise, alcohol.	33-37	
	C7 Energy Changes	Chemistry Paper 1	Exothermic and endothermic reactions	134-136	
12/03/2018	P7 Radioactivity	Physics Paper 1	Atoms and radiation, discovery of the nucleus, and half-lives.	197-201	
	B8 Photosynthesis	Biology Paper 1	Photosynthesis, rate of photosynthesis and how plants use glucose.	39-40, 50-53	RP— Light Intensity
	B9 Respiration	Biology Paper 1	Aerobic and anaerobic respiration, metabolism in the liver	54-55	