

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	12-14, 17-22,39	RP—Microscopes RP—Concentration on sugar solution
	C1 Atomic Structure	Chemistry Paper 1	Atomic structure, electron structures, separating mixtures - fractional distillation and chromatography.	96-104, 112-113	RP — Simple Distillation
	P1 Conservation and dissipation of energy	Physics Paper 1	Energy types and transfers, GPE, kinetic energy, EPE, energy efficiency, electrical appliances and power	167-168,172	
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	105-110	
	P2 Energy transfer by heating	Physics Paper 1	Conduction, specific heat capacity, heating and insulating buildings.	169-171	RP—Specific Heat Capacity
29/01/2018	B3 Organisation & the digestive system	Biology Paper 1	Tissues and organs, digestive system, food tests, enzymes	24–29	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	173-177	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.	30-33	
	C4 Chemical Calculations	Chemistry Paper 1	Masses and moles, concentrations,	123-128	RP - Titration
	P4 Electric Circuits	Physics Paper 1	Current, potential difference, resistance, series and parallel circuits.	179-185	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.	43-46	
	C5 Chemical changes	Chemistry Paper 1	Reactivity series, displacement reactions, salts, neutralisation and pH scale, strong and weak acids.	129–133	
	P5 Electricity in the home	Physics Paper 1	Alternating current, cables and plugs, appliances in the	186-189	
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	134-138	
	P6 Molecules and Matter	Physics Paper 1	Density, states of matter and specific latent heat,	192-194	
05/03/2018	B7 Non-communicable diseases	Biology Paper 1	Cancer, smoking, diet and exercise, alcohol.	34-38	
	C7 Energy Changes	Chemistry Paper 1	Exothermic and endothermic reactions	138-140	
	P7 Radioactivity	Physics Paper 1	Atoms and radiation, discovery of the nucleus, and half-lives.	195-199	
12/03/2018	B8 Photosynthesis	Biology Paper 1	Photosynthesis, rate of photosynthesis and how plants use glucose.	40-41, 50-53	RP— Light Intensity
	B9 Respiration	Biology Paper 1	Aerobic and anaerobic respiration, metabolism in the liver	54-56	