

Week commencing	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
27/01/2020	<b>B5- Homeostasis + response</b> 1: Key terms 2a: Nerve reflexes key terms	2b: The reflex arc 2c: The synapse	3: Hormonal control key terms 4: Location of endocrine glands	5: Blood glucose control key terms	6: Menstrual cycle Interpreting graph (HT only)	7: 8: Methods of contraception IVF (HT only)	RPA 6- Reaction Time 9: Review all B5 key knowledge and use quiz to test
03/02/2020	<b>B7- Ecology</b> 1: Key terms	3: Food chains and predator-prey relationships	2: Biotic and Abiotic Factors 4: Adaptations	5: Cycles	6: Human effects on biodiversity- activity + why it happens	6: Human effects on biodiversity- effects 7: Maintaining Biodiversity	Section 8: Measuring biodiversity RPA 7- Measuring population size Review all B7 key knowledge and use quiz to test
10/02/2020	<b>P5- Forces</b> 1: Key terms	2: Equations	3: Elasticity	4: Forces and braking	5a: Motion	Distance-time graph Velocity-time graph 5b: Typical values of speed	6: Newton's Laws Momentum (HT only)
17/02/2020	RPA 18 (extension of a spring) + 19 (acceleration) Review all P5 key knowledge and test using quiz	<b>P6- Waves</b> 1: Describing waves Measuring the speed of sound 3: Equations to learn	2: 4: Refraction diagrams 5: EM spectrum 6: Properties of EM waves and sound waves	3: Uses and risks of EM radiation RPA 20 (waves) + 21 (infrared) Review all P6 key knowledge and use quiz to test	<b>C6- Rate and extent of chemical change</b> Rates of reaction Factors affecting rate of reaction	Measuring rates of reaction RPA 11- Rates of reaction Rate graphs	Reversible reactions Le Chatelier's principle (HT only) Review all key knowledge for C5 and 6 and quiz
24/02/2020	<b>C7- Organic Chemistry</b> Hydrocarbons	Fractional distillation	Cracking	Review all key knowledge for C7 and quiz	<b>C8- Chemical Analysis</b> Purity and formulations	Paper chromatography + RPA 12 (chromatography) Tests for gases	Review all key knowledge for C8 and 9 and quiz
02/03/2020	<b>C9- Chemistry of the atmosphere</b> Evolution of the atmosphere	Greenhouse gases and climate change	Carbon footprint	Air pollution	<b>C10- Using resources</b> Finite and renewable resources Reuse and recycling	Life cycle assessments Potable water RPA 13- Testing water	Waste water treatment Review all key knowledge for C8 and 9 and quiz
09/03/2020	<b>P7- Magnetism + Electromagnetism</b> 1: Magnetism key terms	2: Electromagnetism key terms	3: Increasing the force of a solenoid	Review all P7 key knowledge and use quiz to test	<b>B6- Inheritance, variation + evolution</b> 1a: Sexual and asexual reproduction	1b: Mitosis + meiosis 1c: Advantages and disadvantages of reproduction (HT only) 2: Genetic Diseases	3: Genetics key terms 4: Genetic inheritance
16/03/2020	5: Variation and evolution key terms	5a: Natural selection	6: Selective breeding	7: Genetic engineering Review all B6 key knowledge and use quiz to test	Bio Paper 2 Qs	Chem Paper 2 Qs	Phy paper 2 Qs

23/03/2020	Paper 2 mock exams	Paper 2 mock exams	Paper 2 mock exams	<b>B1- Cell biology</b> 1: Cell structure (to include diagrams)	2: Specialised cells	3: Microscopy, including RPA 1 4: Orders of magnitude 5: Mitosis 6: Stem cells	7: Transport across membranes 8: Factors affecting diffusion 9: Adaptations of exchange surfaces RPA 2- Osmosis Review all B1 key knowledge and use quiz to test
30/03/2020	<b>B2- Organisation</b> 1: Organisation 2: Human digestive system	3: Enzymes key terms 4: Testing for biological molecules, including RPA 3 (food tests)	5a: Human digestive enzymes, including RPA 4 5b: other chemicals	6: Heart and lungs 6a: Structures in the heart 6b: Structures in the lungs	7: Heart disease 8: Blood vessels 9: Components of the blood	10a: Movement within plants 10b: Factors affecting transpiration 11: cell adaptations for movement within plants 12: Leaf structure and plant Tissues	Review all B2 key knowledge and test using quiz <b>B3- Infection + Response</b> 1: Pathogens + diseases 2: Non-specific defences
06/04/2020	3: Key terms 4: Drugs 5: Clinical trials + clinical trials key terms	Review all B3 key knowledge and test using quiz <b>B4- Bioenergetics</b> 1: Photosynthesis equation 2: Key terms 3: Uses of glucose	4: Limiting factors RPA 5- Photosynthesis 5: Respiration	5: Response to exercise 6a: Metabolism 6b: Metabolic Reactions Review all B4 key knowledge and test using quiz	<b>P1- Energy</b> Energy stores and methods of transfer 2: Equations to learn	3: Energy resources 4: Key terms	RPA 14- specific heat capacity Review P1 key knowledge and test using quiz
13/04/2020	<b>P2- Electricity</b> 1: Circuit symbols 2: Equations to learn	3: Key terms 4: V, I in series and parallel RPA 15- resistance RPA 16- IV characteristics	5: IV graphs 6: The three core cables 7: Mains electricity Review all P2 key knowledge and test using quiz	<b>P3- Particle Model of Matter</b> 1: Key terms 2: Equations to learn 3: Explaining a heating curve RPA 17- density	Review all P3 key knowledge and test using quiz <b>P4- Atomic Structure</b> 1: Key terms	2: Development of the atomic model 3: Properties of sub-atomic particles 4: Nuclear radiation	5: Nuclear decay equations 6: Finding half life Review all P4 key knowledge and test using quiz
20/04/2020	<b>C1: Atomic Structure + Periodic Table</b> Atoms Elements	Compounds Chemical equations	Mixtures and chromatography More separation techniques	Distillation History of the atom	Electronic structure	development of periodic table Modern periodic table Metals and non-metals	Group 1 Group 7 Group 0
27/04/2020	Review C1 and test using quiz	<b>C2- Bonding, structure + properties</b> Formation of ions Ionic bonding	Ionic compounds	Covalent bonding Simple molecular substances	Polymers and giant covalent structures	Allotropes of carbon Metallic bonding States of matter Changing state	Review all C2 key knowledge and test using quiz <b>C3- Quantitative Chem</b> Relative formula mass

04/05/2020	Conservation of mass	<b>C4- Chemical changes</b> Acids and bases Strong and weak acids (HT only) Reactions of acids to include RPA 8- making a salt	Reactivity series Separating metals from metal oxides Redox reactions (HT only)	Electrolysis RPA 9- electrolysis Review C4 and quiz	<b>C5- Energy Changes</b> Exothermic/ endothermic RPA 10- temperature change in reactions	Paper 1 exam practise	Review all B1-B4 Paper 1 key knowledge
11/05/2020	Review all B1-B4 Paper 1 key knowledge	<b>B1 Exam</b>	Review all C1-C5 Paper 1 key knowledge	<b>C1 Exam</b>		Review all P1-P4 Paper 1 key knowledge	Review all P1-P4 Paper 1 key knowledge
18/05/2020			<b>P1 exam</b>				
25/05/2020	Review all Paper 2 key knowledge for Bio/ Chem/ Physics	Review all Paper 2 key knowledge for Bio/ Chem/ Physics	Review all Paper 2 key knowledge for Bio/ Chem/ Physics	Review all Paper 2 key knowledge for Bio/ Chem/ Physics	Review all Paper 2 key knowledge for Bio/ Chem/ Physics	Review all Paper 2 key knowledge for Bio	Review all Paper 2 key knowledge for Bio
01/06/2020	<b>B2 Exam</b>						
08/06/2020	Review all Paper 2 key knowledge for Chem	Review all Paper 2 key knowledge for Chem	<b>C2 Exam</b>	Review all Paper 2 key knowledge for Phy	<b>P2 Exam</b>		