

Week beginning 27 th Sept		
Biology Cells and Microscopy (12-15) Enzymes (16-18) Testing food (19-20)	Chemistry Conservation of p26, Relative mass & chemical formulas p27, Moles p28, More calculations p29 Calculating Empirical formula p30, limiting reactants p31, balancing equations using masses p32 Chemical Equations p12, Chemical Equations involving ions p13,	Physics Distance, Displacement, Speed and Velocity p12 Acceleration p13 Distance/Time graphs p14. Velocity/Time graphs p15 Newton's first and Second laws p16 Weight and Circular Motion p17 Investigating Motion p18 Inertia and Newton's Third law p19 Momentum p20 Changes in Momentum p21 Stopping Distances and Reaction Times p22 Stopping safely p23

October 2021

Week beginning 4th October		
Biology Diffusion, Osmosis and Active Transport (21-22) Mitosis, growth and stem cells (24-26)	Chemistry The Atom p16, Isotopes and Relative mass p17 The Periodic Table p18, Electron Configuration p19, Ions p20 Ionic Bonding p21, Ionic Compounds p22	Physics The solar system and gravity p59 Changing ideas about the universe p60 Redshift and CMB radiation p61 The life cycle of stars p62 Looking into Space p63
Week beginning 11th October		
Biology Brain and nervous system (27-29) Eye (30) Sexual and asexual reproduction 32-33)	Chemistry Transition Metals p62, Alloys p63, Corrosion p64 Covalent Bonding p23, Giant covalent structures and fullerenes p24, Metallic bonding p25 States of Matter p34, Changes of state p35, Purity p36, Distillation p37	Physics Energy Stores p24 Transferring energy p25 Efficiency p26 Reducing unwanted Energy Transfers p27 Energy resources p28 More Energy Resources p29 Trends in Energy Resource Use p30 Revision Questions p31
Week beginning 18th October (work experience)		

<p>Biology DNA and protein synthesis (34-36)</p> <p>Inheritance and Genetic crosses (37-41)</p> <p>Variation and the human genome (42-43)</p>	<p>Chemistry Filtration and crystallization p38, Chromatography p39, Interpreting chromatography p40, Water treatment p41</p> <p>Acids and Bases p43, strong and weak acids p44, reactions of acids p45, Making Insoluble salts p46, Making soluble salts p47</p> <p>Titration p65, Percentage yield p66, Atom Economy p67</p>	<p>Physics Wave Basics p32 Measuring Waves p33 Wave Behaviour and Boundaries p34 Sound p35 Ultrasound p36 Infrasound & Seismic waves p37 Reflection p38 Investigating Refraction p39</p>
<p>Week beginning 25th October (Half term)</p>		
<p>Biology Natural selection and evolution (45-48)</p> <p>Classification (49)</p> <p>Modifying organisms (50-53)</p>	<p>Chemistry electrolysis p48, predicting products of electrolysis p49, electrolysis of copper sulfate p50</p> <p>electrolysis p48, predicting products of electrolysis p49, electrolysis of copper sulfate p50</p> <p>The reactivity series p52, Reactivity of metals p53, Displacement reactions p54</p>	<p>Physics Visible Light and Colour p40 Lenses p41 Lenses and ray diagrams p42 Electromagnetic Waves p43 Emitting and absorbing EM radiation p44 Electromagnetic Waves for Communication p45 Microwaves and Infrared p46 More Uses of EM Waves p47</p>

November 2021

Week beginning 1 st November		
Biology Pathogens and communicable diseases (55-57) Fighting disease and immunity (58-59) Monoclonal antibodies (60-61)	Chemistry Extracting metals using carbon p55, Other methods of extraction p56, Recycling p57, LCA p5 Dynamic Equilibrium p59, Le Chatelier's Principle p60 The Haber Process p68, Fertiliser p69	Physics Model of the Atom p49 Electron Energy Levels p50 Isotopes and Nuclear Radiation p51 Nuclear equations p52 Half life p53 Background Radiation and Contamination p54
Week beginning 8 th November		
Biology Antibiotics and Other medicines (62-64) Non - Communicable disease (65-67)	Chemistry Calculations with gases p70, Fuel Cells p71 General Chemistry Revision (45 mins)	Physics Uses of radiation p55 PET scanning and radiotherapy p56 Nuclear Fission p57 Nuclear fusion and nuclear power p58
Week beginning 15 th November (mock week 1)		
Biology	Chemistry General Chemistry Revision (60 mins)	Physics

