

Out of Classroom Curriculum - Year 10 Science

1. Find the correct week commencing row.
2. Find today's day - There are up to 3 different lessons in each day – you won't run out of work.
3. Chose a lesson – hold ctrl and click the chosen link.
 - a. If you don't recognise the work, it appears too difficult or the link doesn't load;
 - i. Try another task – look at the previous/next lesson or look at other days.
4. Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz (LSQ)
5. Complete any starter quizzes.
 - a. Write the question down
 - b. Write your answer down
 - c. Mark your answers and write down any corrections (using your purple pen)
6. Watch the videos and take notes in your learning booklet.
7. Pause if/when instructed to do so to answer questions or respond.
8. Complete and move onto the next lesson

Week	Day	Biology Hold ctrl and click	Chemistry Hold ctrl and click	Physics Hold ctrl and click
1	Monday	001 Animal Cells (Eukaryotes)	123 Endothermic and Exothermic	041 The Model of the Atom
	Tuesday	006 Specialised Animal Cells 1	124 Energy Changes Practical	
	Wednesday	007 Specialised Animal Cells 2	125 Energy Diagrams	039 The Structure of the Atom
	Thursday	007 Mitosis and the Cell Cycle	127 Calculating the Rate of Reaction 128 Rates of Reaction from Graphs	
	Friday	135 Introduction to Disease	129 Effect of Temperature on Reaction Rate 131 Effect of Concentration on Reaction Rate	088 Sub-Atomic Particles and Isotopes
2	Monday	024 Factors Effecting Health and Disease	132 Catalysts	
	Tuesday	025 Lifestyle and Health	134 Equilibrium	
	Wednesday	136 Spread of Disease	190 Ionic Bonding	
	Thursday	030 Pathogens	191 Ionic Structures	
	Friday	031 Communicable Diseases	192 Ionic Structures and Electrolysis	
3	Monday	032 First Line of Defence	118 Electrolysis 1	194 Metallic Structure and Properties
	Tuesday	033 Immune System	119 Electrolysis 2	190 Ionic Bonding
	Wednesday	034 Vaccination	120 Electrolysis Practical	191 Ionic Structures
	Thursday	068 Antibiotic Resistant Bacteria	121 Extracting Aluminium	064 Static Electricity – Attraction and Repulsion
	Friday	035 Drugs to Treat Diseases	019 Changes of State and Conservation of Mass	065 Investigating Static Charge
4	Monday	036 Drug Testing	213 Conservation of Mass	068 Electricity as an Energy Pathway
	Tuesday	137 Culturing Microorganisms	104 Reacting Masses	066 Building and Drawing Simple Circuits 1
	Wednesday	009 Stem Cells	103 Conservation of Mass and Moles	067 Building and Drawing Simple Circuits 2
	Thursday	116 Blood Groups and Transplants	130 Collision Theory	170 Energy Sources
	Friday	071 Genetic Engineering and Ethics	101 Understanding Chemical Reactions	171 Charges and Fields

5	Monday	185 Using Genetics: Cloning	102 Writing Chemical Word Equations	172 Current and Charge
	Tuesday	002 Plant Cells (Prokaryotes)	214 Chemical Formulae	175 Current and Charge Characteristics
	Wednesday	008 Specialised Plant Cells	101 Balancing Equations	176 Current and Charge Practical
	Thursday	027 Plant Tissues and Organs	215 Balancing Chemical Equations	173 Potential Difference and Resistance
	Friday	207 Tissue for Photosynthesis	216 Practicing Balancing Chemical Equations	154 Resistance
6	Monday	117 Transport in Plants	105 Deducing Balancing Numbers	174 Resistance Practical
	Tuesday	028 Transpiration	102 Molecular Mass	177 Light-Dependent Resistors and Thermistors
	Wednesday	029 Translocation	041 The Model of the Atom	178 Series Circuits
	Thursday	037 Introduction to Photosynthesis	039 The Structure of the Atom	155 Series Circuits and Kirchoff's Voltage Law
	Friday	206 Photosynthesis	088 Sub-Atomic Particles and Isotopes	179 Parallel Circuits
7 & 8	Monday	208 Investigating Photosynthesis 1	059 Metals and Non-Metals	156 Parallel Circuits and Kirchoff's Current Law
	Tuesday	209 Investigating Photosynthesis 2	167 Metals	180 Alternating Current
	Wednesday	038 Limiting Factors and Applications	098 Metallic Bonding	181 Electrical Power
	Thursday	210 Limiting the Rate of Photosynthesis	194 Metallic Structure and Properties	182 Electrical Current and Energy Transfer
	Friday	039 Light and the Rate of Photosynthesis	090 Group 1	183 Electrical Energy and kWh

Additional Content	040 Use of Glucose	103 The pH Scale	
	043 Effects of Exercise on Respiration	104 Acids and Alkalis	
	099 Comparing Aerobic and Anaerobic Respiration	105 Neutralisation Reactions	192 Half Lives
	045 Metabolism and the Liver	106 Neutralisation Consolidation	193 Handling Radioactive Materials