

# Remote Curriculum

## Year 11 Science

### How it Works:

1. Find the correct week commencing row.
2. Find today's day.
3. Chose a biology, chemistry or physics task listed for that day – hold ctrl and click the chosen link.
  - a. If you don't recognise the work, it appears too difficult or the link does not load;
    - i. Try another task – look at the previous/next lesson or look at other days to find something familiar – You won't run out of work.
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 your answer down
  - b. Mark your answers and write down any corrections
6. Watch the videos and take notes.
7. Pause if/when instructed to do so to answer questions or respond.
8. Complete and go onto the next task or 'Extension Task'

Week Commencing	Week	Day	Biology Hold ctrl and click	Chemistry Hold ctrl and click	Physics Hold ctrl and click
2/10/23	A	Monday	<a href="#">160 Introduction to Ecology</a>	<a href="#">137 Crude Oil</a>	<a href="#">175 Transverse and Longitudinal Waves 1</a>
		Tuesday	<a href="#">161 Biotic and Abiotic Factors</a>	<a href="#">138 Properties of Alkanes</a>	<a href="#">214 Transverse and Longitudinal Waves 2</a>
		Wednesday	<a href="#">073 Communities: Biotic and Abiotic Factors</a>	<a href="#">139 Fractional Distillation</a>	<a href="#">215 Properties of Waves</a>
		Thursday	<a href="#">162 Biodiversity and Why it Matters</a>	<a href="#">140 Hydrocarbons as Fuels</a>	<a href="#">216 Reflection and Refraction of Waves</a>
		Friday	<a href="#">166 Ecological Sampling</a>	<a href="#">141 Cracking</a>	<a href="#">178 Reflection of Light</a>
9/10/23	B	Monday	<a href="#">075 Measuring Distribution and Abundance (Quadrats and Transects)</a>	<a href="#">142 Structure of Alkenes</a>	<a href="#">179 Refraction of Light</a>
		Tuesday	<a href="#">076 Population Size: Practical</a>	<a href="#">123 Endothermic and Exothermic</a>	<a href="#">180 Lenses</a>
		Wednesday	<a href="#">069 Interdependence</a>	<a href="#">124 Energy Changes Practical</a>	<a href="#">181 The Eye</a>
		Thursday	<a href="#">077 Feeding Relationships</a>	<a href="#">125 Energy Diagrams</a>	<a href="#">176 Sound Waves</a>
		Friday	<a href="#">070 Food Chains</a>	<a href="#">127 Calculating the Rate of Reaction</a> <a href="#">128 Rates of Reaction from Graphs</a>	<a href="#">177 Uses of Sound Waves</a>
16/10/23	A	Monday	<a href="#">071 Food Webs</a>	<a href="#">129 Effect of Temperature on Reaction Rate</a> <a href="#">131 Effect of Concentration on Reaction Rate</a>	<a href="#">217 Wave Speed</a>
		Tuesday	<a href="#">072 Human Impact on Food Webs</a>	<a href="#">132 Catalysts</a>	<a href="#">218 Electromagnetic Spectrum</a>
		Wednesday	<a href="#">074 Competition and Adaptations</a>	<a href="#">134 Equilibrium</a>	<a href="#">219 Absorption of Infrared Radiation</a>
		Thursday	<a href="#">078 Adaptations: Predator Prey Relationships</a>	<a href="#">190 Ionic Bonding</a>	<a href="#">220 Electromagnetic Waves and Communication</a>
		Friday	<a href="#">077 Adaptations: Tropical Climates</a>	<a href="#">191 Ionic Structures</a>	<a href="#">061 Magnetism and Magnetic Materials</a>
30/10/23	B	Monday	<a href="#">075 Adaptations: Cold Climates</a>	<a href="#">192 Ionic Structures and Electrolysis</a>	<a href="#">062 Magnetic Fields</a>

		Tuesday	<a href="#">076 Adaptations: Dry Climates</a>	<a href="#">118 Electrolysis 1</a>	<a href="#">063 Earth's Magnetic Field and Compasses</a>
		Wednesday	<a href="#">079 Adaptations Practical</a>	<a href="#">119 Electrolysis 2</a>	<a href="#">Seeing a Magnetic Field</a>
		Thursday	<a href="#">082 Impact of Change and Maintaining Biodiversity</a>	<a href="#">120 Electrolysis Practical</a>	<a href="#">Uses of Magnetic Materials</a>
		Friday	<a href="#">163 Deforestation</a>	<a href="#">121 Extracting Aluminium</a>	<a href="#">221 Magnetism and Magnetic Fields</a>
6/11/23	A	Monday	<a href="#">081 Deforestation, Peat Bogs and Global Warming</a>	<a href="#">019 Changes of State and Conservation of Mass</a>	<a href="#">222 Magnetic Fields and Currents</a>
		Tuesday	<a href="#">164 Climate Change Through Global Warming</a>	<a href="#">213 Conservation of Mass</a>	<a href="#">223 Motors</a>
		Wednesday	<a href="#">080 Food Security and Sustainability</a>	<a href="#">104 Reacting Masses</a>	<a href="#">167 Metals</a>
		Thursday	<a href="#">083 Pollution</a>	<a href="#">103 Conservation of Mass and Moles</a>	<a href="#">098 Metallic Bonding</a>
		Friday	<a href="#">165 The Problem with Plastics</a>	<a href="#">130 Collision Theory</a>	<a href="#">194 Metallic Structure and Properties</a>
13/11/23	B	Monday	<a href="#">055 Menstrual Cycle</a>	<a href="#">101 Understanding Chemical Reactions</a>	<a href="#">190 Ionic Bonding</a>
		Tuesday	<a href="#">056 Controlling Fertility and Contraception</a>	<a href="#">102 Writing Chemical Word Equations</a>	<a href="#">191 Ionic Structures</a>
		Wednesday	<a href="#">058 Sexual and Asexual Reproduction 1</a>	<a href="#">214 Chemical Formulae</a>	<a href="#">064 Static Electricity – Attraction and Repulsion</a>
		Thursday	<a href="#">060 Sexual and Asexual Reproduction 2</a>	<a href="#">101 Balancing Equations</a>	<a href="#">065 Investigating Static Charge</a>
		Friday	<a href="#">182 The Gene</a>	<a href="#">215 Balancing Chemical Equations</a>	<a href="#">068 Electricity as an Energy Pathway</a>
20/11/23	A	Monday	<a href="#">183 Using Genetics: Inheritance</a>	<a href="#">216 Practicing Balancing Chemical Equations</a>	<a href="#">066 Building and Drawing Simple Circuits 1</a>
		Tuesday	<a href="#">001 Animal Cells (Eukaryotes)</a>	<a href="#">105 Deducing Balancing Numbers</a>	<a href="#">067 Building and Drawing Simple Circuits 2</a>
		Wednesday	<a href="#">007 Mitosis and the Cell Cycle</a>	<a href="#">102 Molecular Mass</a>	<a href="#">170 Energy Sources</a>
		Thursday	<a href="#">059 Mitosis and Meiosis</a>	<a href="#">041 The Model of the Atom</a>	<a href="#">171 Charges and Fields</a>
		Friday	<a href="#">061 DNA, The Human Genome and Protein Synthesis</a>	<a href="#">039 The Structure of the Atom</a>	<a href="#">172 Current and Charge</a>
27/11/23	B	Monday	<a href="#">062 Inheritance: Mendel and Sex Determination</a>	<a href="#">088 Sub-Atomic Particles and Isotopes</a>	<a href="#">175 Current and Charge Characteristics</a>
		Tuesday	<a href="#">063 Inherited Disorders and Family Trees</a>	<a href="#">059 Metals and Non-Metals</a>	<a href="#">176 Current and Charge Practical</a>
		Wednesday	<a href="#">064 Theories of Evolution</a>	<a href="#">167 Metals</a>	<a href="#">173 Potential Difference and Resistance</a>
		Thursday	<a href="#">186 Darwin's Theory</a>	<a href="#">098 Metallic Bonding</a>	<a href="#">154 Resistance</a>
		Friday	<a href="#">065 Natural Selection</a>	<a href="#">194 Metallic Structure and Properties</a>	<a href="#">174 Resistance Practical</a>
4/12/23	A	Monday	<a href="#">066 Speciation</a>	<a href="#">090 Group 1</a>	<a href="#">177 Light-Dependent Resistors and Thermistors</a>
		Tuesday	<a href="#">187 Fossils</a>	<a href="#">108 Reactions of Metals with Oxygen</a>	<a href="#">178 Series Circuits</a>
		Wednesday	<a href="#">067 Fossils: Extinction and Evidence for Evolution</a>	<a href="#">109 Reactivity of Metals</a>	<a href="#">155 Series Circuits and Kirchoff's Voltage Law</a>
		Thursday	<a href="#">073 Classification</a>	<a href="#">110 Extracting Metals from Ores</a>	<a href="#">179 Parallel Circuits</a>
		Friday	<a href="#">074 Evolutionary Trees</a>	<a href="#">121 Extraction of Aluminium</a>	<a href="#">156 Parallel Circuits and Kirchoff's Current Law</a>
11/12/23	B	Monday	<a href="#">184 Using Genetics: Selective Breeding</a>	<a href="#">168 Comparing Reactivity 1</a> <a href="#">169 Comparing Reactivity 2</a>	<a href="#">180 Alternating Current</a>
		Tuesday	<a href="#">070 Selective Breeding</a>	<a href="#">172 Comparing Reactivity 3</a>	<a href="#">181 Electrical Power</a>
		Wednesday	<a href="#">071 Genetic Engineering</a>	<a href="#">170 Displacement Reactions 1</a>	<a href="#">182 Electrical Current and Energy Transfer</a>
		Thursday	<a href="#">185 Using Genetics: Cloning</a>	<a href="#">171 Displacement Reactions 2</a>	<a href="#">183 Electrical Energy and kWh</a>
		Friday	<a href="#">072 Cloning in Plants and Animals</a>	<a href="#">112 Acids and Metals</a>	<a href="#">184 Cables and Plugs</a>