

2 x mid module assessments (12 marks) 1 x EOUT (25 marks) F and H	2 x mid module assessments (12 marks) 1 x EOUT (25 marks) F and H	2/3 x mid module assessments (12 marks) 1 x EOUT (25 marks) F and H Triple (35 marks)	2 x mid module assessments (12 marks) F and H 1 x EOUT (25 marks) F and H	2/3 x mid module assessments (12 marks) 1 x EOUT (25 marks) F and H Triple (35 marks)	2/3 x mid module assessments (12 marks) 1 x EOUT (25 marks) F and H Triple (35 marks)
---	---	---	---	---	---

AQA GCSE Chemistry					
Year 9		Year 10		Year 11	
<p>First half of year: Atmosphere Composition of the atmosphere Global warming and its evidence Relative formula masses Polluting gases Climate change Carbon footprint</p> <p>Quantitative Chemistry: Relative formula mass Percentage composition</p>	<p>First half of year: Atomic Structure Structure of an atom Atomic models Periodic table organisation Group 1 Group 7 Group 0 Transition metals</p> <p>Quantitative Chemistry: Relative formula mass</p>	<p>First half of year: Rates & Extent Collision theory Rates equation Tangent method Effect of catalysts Concentration Temperature Surface area Equilibrium H: effect on equilibrium of changing concentration, temperature, pressure</p> <p>Quantitative Chemistry: Concentration of solution g/dm³ H: Moles of solid T: moles of gases</p>	<p>Middle of year: Organic Formation of crude oil Fractional distillation Properties of hydrocarbons Cracking alkanes</p>	<p>First half of year: Energy Changes Exothermic changes Endothermic changes Reaction profiles H: Bond energies</p>	<p>First half of year: Analysis Separating mixtures Formulations Chromatography (RP) Testing gases Triple only: identifying ions (RP) <i>Emission spectra, testing for metals by precipitation and flame tests, testing for non-metals by precipitation</i></p> <p>Quantitative Chemistry: <i>Titration calculations</i></p>
<p>Assessment 1 x mid-module test (12)</p>	<p>Assessment 2 x mid-module (12) 1 x EOUT (25 marks)</p>	<p>Assessment 2 x mid-module test (12) 1X end of unit test</p>	<p>Assessment 1 x mid-module test (12)</p>	<p>Assessment 1 x EOUT (25 marks/35T)</p>	<p>Assessment 1 x mid-module (12)</p>
<p>Second half of year: Using resources Purifying water (RP) Earth's resources Life cycle assessments</p>	<p>Second half of year: Structure and Bonding Metallic bonding Ionic bonding Covalent bonding Properties of metals Properties of ionic compounds Properties of covalent compounds (simple molecules, large molecules, giant covalent)</p> <p>Quantitative Chemistry: Relative formula mass</p>	<p>Second half of year: Chemical Changes Reactions of acids Preparing a dry sample of a salt (RP) Metals reacting with O₂ Reactivity series Extracting metals Electrolysis Electrolysis of solutions (RP) T: Fuel cells Electrolytic cells</p> <p>Quantitative Chemistry: Concentration of solution g/dm³ H: Moles of solid T: Concentration in mol/dm³ and titration (RP)</p>		<p>Later part of year: Triple only – Organic B <i>Properties of alkenes</i> <i>Alcohols</i> <i>Carboxylic acids</i> <i>Polymerisation inc DNA</i></p> <p>Quantitative Chemistry: <i>Atom Economy</i> <i>Percentage Yield</i></p> <p>Using Resources B T: Haber process, rusting, ceramics/polymer properties, composites</p>	<p>Second part of year: Revision Bonding and structure <i>See Year 9 unit</i></p>
<p>Assessment 1 x mid-module test (12)</p>	<p>Assessment 2 x mid module test (12) 1 x End of Unit test</p>	<p>Assessment 2 x mid-module (12) 1 x EOUT (25/35 marks)</p>		<p>Assessment 1 x mid-module (12) T: 2 x EOUT (35 marks)</p>	<p>Assessment 1 x mid-module (12) 1 x EOUT (25) C only</p>

AQA GCSE Physics					
Year 9		Year 10		Year 11	
<p>First part of year: Infinity and Beyond</p> <p>This unit introduces 2 key areas of triple content</p> <ul style="list-style-type: none"> Life Cycle of stars The Big Bang <p>The rest of the unit covers some key physical concepts, forces, density etc through the topic of space</p>	<p>Middle part of year: The Force Awakens</p> <p>Speed and Velocity</p> <p>Graphs of motions</p> <p>Acceleration</p> <p>Terminal velocity</p> <p>$F = ma$ (req prac)</p> <p>Stopping distance</p> <p>Momentum</p> <p><i>Newtons Laws (T)</i></p> <p><i>Conservation of momentum (T)</i></p> <p><i>Car safety (T)</i></p>	<p>First part of year: Jimmy Neutron</p> <p>Structure of an atom</p> <p>Atomic models</p> <p>Radioactive decay</p> <p>Alpha, beta, gamma</p> <p>Half lives</p> <p>Contamination</p> <p><i>Fission (T)</i></p> <p><i>Fusion (T)</i></p>	<p>First part of year: Current Affairs</p> <p>Circuits</p> <p>$V = IR$ (req prac)</p> <p>Series circuits</p> <p>Parallel circuits</p> <p>Mains electricity</p> <p>Power</p> <p>National grid</p> <p><i>Static Electricity (T)</i></p>	<p>First part of year: Resistance is Futile</p> <p>Characteristics of resistors</p> <p>Diodes, LDRs and Thermistors</p> <p>Potential Dividers</p> <p>$V = IR$ part 2</p> <p><i>Electric fields (T)</i></p>	<p>First part of year: May the force be with You</p> <p>Resultant forces</p> <p>Gravity and weight</p> <p>Work done</p> <p>$F = kx$ (req prac)</p> <p>Acceleration part 2</p> <p>Newtons third law</p> <p><i>Moments and levers (T)</i></p> <p><i>Pressure in a fluid (T)</i></p> <p><i>Atmospheric Pressure (T)</i></p>
<p>Assessment</p> <p>1 x mid module assessment (12 marks)</p> <p>1 EOUT (25 marks)</p>	<p>Assessment</p> <p>2 x mid module assessments (12 marks)</p> <p>1 x EOUT (25 marks)</p>	<p>Assessment</p> <p>1x mid module assessments (12 marks)</p> <p>1 x EOUT (25 marks) F & H</p> <p>1 x EOUT (35 marks) Triple</p>	<p>Assessment</p> <p>2 x mid module assessments (12 marks)</p> <p>1 x EOUT (25 marks) F & H</p> <p>1 x EOUT (35 marks) triple</p>	<p>Assessment</p> <p>1 x EOUT (25 marks) F & H</p> <p>1 x EOUT (35 marks) triple</p>	<p>Assessment</p> <p>2 x mid module assessments (12 marks)</p> <p>1 x EOUT (25 marks) F & H</p> <p>1 x EOUT (35 marks)</p>
<p>Second part of year: Surfing the Waves</p> <p>Wave Properties</p> <p>Wave speed (req prac)</p> <p>Standing wave (req prac)</p> <p>Reflection and refraction</p> <p>EM waves</p> <p>Radiation and danger</p> <p>Cooking with waves</p> <p><i>Leslie Cube (req prac) (T)</i></p> <p><i>Lenses (T)</i></p> <p><i>Colour (T)</i></p> <p><i>Black Bodies (T)</i></p>		<p>Second part of year: The Flash</p> <p>Energy Transfers</p> <p>GPE and KE</p> <p>EPE</p> <p>SHC (req prac)</p> <p>Power</p> <p>Insulation (req prac)</p> <p>Efficiency</p> <p>Energy Resources</p>	<p>Second part of year: Particle Particulars</p> <p>Structure of matter</p> <p>Density (req prac)</p> <p>Pressure and temperature</p> <p>Latent heat</p> <p><i>Pressure and Volume (T)</i></p>	<p>Second part of year: Finding Faraday</p> <p>Magnets</p> <p>Electromagnets</p> <p>Motor effect</p> <p><i>Generators (T)</i></p> <p><i>Uses of electromagnets (T)</i></p> <p><i>Transformers (T)</i></p>	

<p><u>Assessment</u> 2 x mid module assessments (12 marks)</p> <p>1 x EOUT (25 marks) F & H 1 x EOUT (35 marks) triple</p>		<p><u>Assessment</u> 2x mid module assessments (12 marks)</p> <p>1 x EOUT (25 marks)</p>	<p><u>Assessment</u> 1x mid module assessments (12 marks)</p> <p>1 x EOUT (25 marks)</p>	<p><u>Assessment</u> 1x end of unit assessments (12 marks) F & H</p> <p>Triple: 1 x mid module assessment (12 marks) 1 x EOUT (35 marks)</p>	
---	--	--	--	--	--