

## Year 11 triple revision homework

Students in Year 11 are the first to be examined on the new AQA 9-1 Science curriculum.

To help consolidate the content and skills taught in Year 10 and help support their revision, students will be set fortnightly homeworks, as shown in the schedule below. The homework will involve reading specific sections in the CGP Revision Guides that were sold to students last year, and making notes, mind maps or flash cards. They will then need to complete the linked exam questions that will be available on Homework Online. These should be printed off and completed, or the answers written on paper to be taken into lessons on the date due in. The answers will also be available to students so that they can self- assess their own work and improve exam technique.

If your child does not have AQA Revision Guides we urge them to collect a letter from the Science Prep. Room in order to purchase a copy from us for £6 each; they can also be purchased from retailers or the CGP website direct (see table below for the correct guide and ISBN), although the cost may be higher.

If your child is currently eligible for Free School Meals / has in the past been on Free School Meals since 2011 / is currently a Child in Service since January 2011/ is currently a Cared for Child or has ever been looked after by an English or Welsh local authority then the guide(s) will be paid for by the Pupil Premium Fund. Please return the permission slip below with the Pupil Premium assistance application ticked. If your form is returned to school showing the Pupil Premium option and we don't appear to have your child on our Pupil Premium records we may need to contact you to clarify

Students can also access the text book through Kerboodle (all students have a login) or use GCSE Bitesize to revise the topics in the schedule until they have their revision guides.

**If students do not complete the revision and exam questions by the given date they will be required to attend a compulsory revision sessions on Thursday in BG02 at 12.35. They will be required to get lunch beforehand, as the sessions will last 30 minutes. This is in addition to completing homework and not an alternative.**

Science group	Resources available (three books per course)	Cost
11yz/sb1 11yz/sb2 (Triple science)	1. AQA Biology: Complete Revision and Practice (ISBN 978 78294 583 3) 2. AQA Chemistry: Complete Revision and Practice (ISBN 978 1 78294 584 0) 3. AQA Physics :Complete Revision and Practice (ISBN 978 1 78294 585 7)	£6 £6 £6
11yz/sb3 1yz/sb4 11yz/sb5 11yz/sb6	1. New Grade 9-1 GCSE Combined Science: AQA Revision Guide with Online Edition - Higher (ISBN 978 1 78294 559 8) 2. New Grade 9-1 GCSE Combined Science: AQA Exam Practice Workbook - Higher (978 1 78294 485 0) 3. New GCSE Combined Science: AQA Answers (for Exam	£6 £6 £1

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	Practice Workbook) - Higher (ISBN 978 1 78294 490 4)	
11yz/sb7	1. New Grade 9-1 GCSE Combined Science: AQA Revision Guide with Online Edition - Foundation (ISBN 978 1 78294 560 4)	£6
11yz/sb8		£6
11yz/sb9	2. New Grade 9-1 GCSE Combined Science: AQA Exam Practice Workbook - Foundation (ISBN 978 1 78294 486 7)	£1
	3. New GCSE Combined Science: AQA Answers (for Exam Practice Workbook) - Foundation (ISBN 978 1 78294 491 1)	

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Date set (Week beginning)	Due (week beginning)	timescale	Topic/lesson in GCP revision guide	Revision Guide pages / link to exam questions/ Required Practicals
2 <sup>nd</sup> October	9 <sup>th</sup> October	1-2 weeks	<u>1 Cell Biology</u> <ul style="list-style-type: none"> <li>• Cells</li> <li>• Microscopy</li> <li>• Cell differentiation and specialisation</li> <li>• Stem cells</li> <li>• Chromosomes and mitosis</li> <li>• Binary Fission</li> <li>• Diffusion</li> <li>• Osmosis</li> <li>• Active transport</li> <li>• Exchanging substances</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	<p>p16-44</p> <p>RP1 Microscopy and Calculating Magnification</p> <p>RP2 Osmosis- Investigating the effect of sugar or salt solutions on plant tissue</p> <p><a href="http://rowuyou.exampromo.net/">http://rowuyou.exampromo.net/</a></p>
9 <sup>th</sup> October	30 <sup>th</sup> October	3-4 weeks inc. CEW and half-term	<u>2 Organisation</u> <ul style="list-style-type: none"> <li>• Cell organisation</li> <li>• Enzymes</li> <li>• Investigating enzymatic reactions</li> <li>• Enzymes and digestion</li> <li>• Food tests</li> <li>• The lungs</li> <li>• Circulatory system (heart, blood vessels, blood)</li> <li>• Cardiovascular disease</li> <li>• Health and disease</li> <li>• Risk factors for non-communicable disease</li> <li>• Cancer</li> <li>• Plant cell organisation</li> <li>• Transpiration and translocation</li> <li>• The Rate of transpiration</li> <li>• Measuring transpiration and stomata</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	<p>p45-80</p> <p>RP3 Food tests and qualitative reagent</p> <p>RP4 Enzymes- Investigating the effect of pH on the rate of an enzyme-controlled reaction</p> <p><a href="http://zynusey.exampromo.net/">http://zynusey.exampromo.net/</a></p>

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6 <sup>th</sup> November	13 <sup>th</sup> November	1week	<u>3 Infection and Response</u> <ul style="list-style-type: none"> <li>• Communicable disease</li> <li>• Viral and fungal diseases</li> <li>• Protist and bacterial diseases</li> <li>• Preventing Disease</li> <li>• Fighting disease</li> <li>• Fighting disease vaccination/ drugs</li> <li>• Developing drugs</li> <li>• Monoclonal antibodies</li> <li>• Plant diseases and defences</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	p81 – 100  RP5 Microbiology  <a href="http://ierevur.exampopro.net/">http://ierevur.exampopro.net/</a>
13 <sup>th</sup> November	20 <sup>th</sup> November	1 week	<u>4 Bioenergetics</u> <ul style="list-style-type: none"> <li>• Photosynthesis</li> <li>• The rate of photosynthesis</li> <li>• Measuring the rate of photosynthesis</li> <li>• Ideal conditions for photosynthesis</li> <li>• Respiration</li> <li>• Metabolism</li> <li>• Aerobic and anaerobic respiration</li> <li>• Exercise</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	p101-115  RP6 Investigating limiting factors of photosynthesis  <a href="http://loouyyh.exampopro.net/">http://loouyyh.exampopro.net/</a>
27 <sup>th</sup> December	4 <sup>th</sup> December	Y11 mock exams – complete final revision of year 10 content listed above		
11 <sup>th</sup> December	8 <sup>th</sup> January	4-5 weeks inc. Xmas holidays	<u>5 Homeostasis and response</u> <ul style="list-style-type: none"> <li>• Homeostasis</li> <li>• The nervous system</li> <li>• Reflexes</li> <li>• Investigating reaction times</li> <li>• The Brain</li> <li>• The Eye</li> <li>• The Eye and correcting vision defects</li> <li>• Controlling body temperature</li> <li>• The Endocrine System</li> <li>• Comparing nerves</li> </ul>	P116-150  RP7 Reaction Time  RP8 Investigating germination and light or gravity

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			<p>and hormones</p> <ul style="list-style-type: none"> <li>• Controlling blood glucose</li> <li>• Diabetes</li> <li>• The Kidneys</li> <li>• Treatments for kidney failure</li> <li>• Puberty and the Menstrual cycle</li> <li>• Controlling Fertility</li> <li>• Adrenaline and Thyroxin</li> <li>• Plant hormones</li> <li>• Investigating plant hormones</li> <li>• Commercial uses of plant hormones</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p> <p><u>Working scientifically</u></p> <ul style="list-style-type: none"> <li>• The scientific method</li> <li>• Models and communication</li> <li>• Issues created by science</li> <li>• Risk</li> <li>• Designing Investigations</li> <li>• Processing data</li> <li>• Presenting data</li> <li>• More on graphs</li> <li>• Units</li> <li>• Converting units</li> <li>• Drawing conclusions</li> <li>• Uncertainty</li> <li>• Evaluation</li> </ul>	P1-15
15 <sup>th</sup> January	22 <sup>nd</sup> January	1-2 weeks	<p><b>Maths Skills Practice and Practical Skills</b></p> <ul style="list-style-type: none"> <li>• Measuring substances</li> <li>• Safety and ethics</li> <li>• Sampling</li> <li>• Heating substances</li> <li>• More on microscopy and potometers</li> <li>• Comparing results</li> </ul>	P231-237
29 <sup>th</sup> January	5 <sup>th</sup> February	1-2 weeks	<p><b>6 Inheritance, Variation and Evolution part 1</b></p> <ul style="list-style-type: none"> <li>• DNA</li> <li>• The structure of</li> </ul>	P151-169

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			<p>DNA and protein synthesis</p> <ul style="list-style-type: none"> <li>• Mutations</li> <li>• Reproduction</li> <li>• Meiosis</li> <li>• X and Y chromosomes</li> <li>• Genetic diagrams</li> <li>• Inherited disorders</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	
12 <sup>th</sup> February	26 <sup>th</sup> February	2-3 weeks inc. half-term	<p><u>6 Inheritance, Variation and Evolution part 2</u></p> <ul style="list-style-type: none"> <li>• The Work of Mendel</li> <li>• Variation</li> <li>• Evolution</li> <li>• Selective Breeding</li> <li>• Genetic Engineering</li> <li>• Cloning</li> <li>• Fossils</li> <li>• Speciation</li> <li>• Antibiotic-resistant Bacteria</li> <li>• Classification</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	P170-193
5 <sup>th</sup> March	12 <sup>th</sup> March	1-2 week	<p><u>7 Ecology Part 1</u></p> <ul style="list-style-type: none"> <li>• Competition</li> <li>• Abiotic and biotic factors</li> <li>• Adaptations</li> <li>• Food chains</li> <li>• Using quadrats</li> <li>• Using transects</li> <li>• Environmental change</li> <li>• The water cycle</li> <li>• The carbon cycle</li> <li>• Decay</li> <li>• Biogas</li> <li>• Investigating decay</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	<p>P194-211</p> <p>RP9 Investigating and sampling Population size</p> <p>RP Investigating rates of decomposition</p>
19 <sup>th</sup> March	16 <sup>th</sup> April	4-5 weeks inc. Easter holidays	<p><u>7 Ecology Part 2</u></p> <ul style="list-style-type: none"> <li>• Biodiversity and Waste management</li> <li>• Global warming</li> <li>• Deforestation and Land use</li> <li>• Maintaining Ecosystems and</li> </ul>	P212-230

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			<p>Biodiversity</p> <ul style="list-style-type: none"> <li>• Trophic levels</li> <li>• Pyramids of biomass</li> <li>• Biomass transfer</li> <li>• Food security and Farming</li> <li>• Biotechnology</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p> <p><b>By this stage you should know the topics and pages you need to revise again and more, so spend your time doing this and reviewing you Required Practical Handbook and any outstanding Exam question and MARK SCHEMES.</b></p>
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### Y11 Triple Chemistry: Revision

Date set (Week beginning)	Week due in	Topic	Revision Guide pages / link to exam questions
2 <sup>nd</sup> October	9 <sup>th</sup> October	<p><u>Topic 1: Atomic structure &amp; the Periodic Table-1</u></p> <ul style="list-style-type: none"> <li>• Atoms</li> <li>• Elements</li> <li>• Isotopes &amp; relative atomic mass calc.</li> <li>• Compounds</li> <li>• Formulae &amp; equations</li> <li>• Mixtures</li> <li>• Chromatography</li> <li>• Filtration</li> <li>• Crystallisation</li> <li>• Distillation</li> </ul> <p><b>Required Practical 1: Separation of a mixture</b>                      'Preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate, using a Bunsen burner to heat dilute acid and a water bath or electric heater to</p>	<p>Pages 16-29  <a href="http://eipiaiv.exampopro.net/">http://eipiaiv.exampopro.net/</a></p>

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		<p>evaporate the solution'</p> <p><u>Topic 1: Atomic structure &amp; the Periodic Table-2</u></p> <ul style="list-style-type: none"> <li>• History of the atom</li> <li>• Electronic structure</li> <li>• Development of the Periodic Table</li> <li>• The modern Periodic Table</li> <li>• Metals &amp; non-metals</li> <li>• Transition metals</li> <li>• Group 1 elements</li> <li>• Group 7 elements</li> <li>• Group 0 elements</li> </ul> <p><u>Topic 2: Bonding , structure &amp; properties-1</u></p> <ul style="list-style-type: none"> <li>• Ions</li> <li>• Ionic compounds</li> <li>• Covalent bonding</li> <li>• Polymers</li> </ul> <p><u>Topic 2: Bonding , structure &amp; properties-2</u></p> <ul style="list-style-type: none"> <li>• Giant covalent structures</li> <li>• Allotropes of carbon</li> <li>• Metallic bonding</li> <li>• States of matter</li> <li>• Nanoparticles</li> </ul>	<p>Pages 31-43 <a href="http://ZUCIAP.exampro.net">http://ZUCIAP.exampro.net</a></p> <p>Pages 47-57 <a href="http://WOYEUYOY.exampro.net">http://WOYEUYOY.exampro.net</a></p> <p>Pages 58-67 <a href="http://WAIAIUG.exampro.net">http://WAIAIUG.exampro.net</a></p>
16 <sup>th</sup> October	23 <sup>rd</sup> October	<p><u>Topic 3: Quantitative chemistry -1</u></p> <ul style="list-style-type: none"> <li>• Relative formula mass</li> <li>• The mole and mass</li> <li>• The mole and equations</li> </ul> <p><u>Topic 3: Quantitative Chemistry -2</u></p> <ul style="list-style-type: none"> <li>• Solutions</li> <li>• Concentration calculations</li> <li>• Atom economy &amp; % yield</li> </ul> <p><b>Required Practical 2: Titration</b> 'Determination of the reacting volumes of solutions of a strong acid and a strong alkali by titration; determination of the concentration of one of the solutions in mol/dm<sup>3</sup> and g/dm<sup>3</sup> from the reacting volumes and the known concentration of the other solution'</p> <p><u>Topic 4: Chemical changes-1</u></p> <ul style="list-style-type: none"> <li>• Acids and bases</li> </ul>	<p>Pages 70-77 <a href="http://CATIMIZ.exampro.net">http://CATIMIZ.exampro.net</a></p> <p>Pages 79-84 <a href="http://VIXYUEG.exampro.net">http://VIXYUEG.exampro.net</a></p> <p>Pages 87-92 <a href="http://LACUGUH.exampro.net">http://LACUGUH.exampro.net</a></p>



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		<ul style="list-style-type: none"> <li>• Titrations</li> <li>• Strong &amp; weak acids and their reactions</li> </ul> <p><u>Topic 4: Chemical changes-2</u></p> <ul style="list-style-type: none"> <li>• Metals &amp; their reactivity</li> <li>• Redox reactions</li> <li>• Electrolysis</li> <li>• Electrolysis of aqueous solutions</li> </ul> <p><b>Required Practical 3: Electrolysis</b>            'Investigate what happens when aqueous solutions are electrolysed using inert electrodes. This should be an investigation developing a hypothesis'.</p>	<p>Pages 94-103  <a href="http://UUKYHOE.exampro.net">http://UUKYHOE.exampro.net</a></p>
30 <sup>th</sup> October	6 <sup>th</sup> November	<p><u>Topic 5: Energy Changes</u></p> <ul style="list-style-type: none"> <li>• Exothermic &amp; endothermic reactions</li> <li>• Bond energies</li> <li>• Cells</li> <li>• Cells &amp; batteries</li> <li>• Fuel cells</li> </ul> <p><b>Required Practical 4: Exothermic &amp; endothermic reactions</b>            'Investigate the variables that affect temperature changes in reacting solutions e.g. acid plus metals, acid plus carbonates, neutralisations, displacement of metals'</p> <p><u>Topic 6: Rate &amp; extent of chemical changes-1</u></p> <ul style="list-style-type: none"> <li>• Rates of reaction</li> <li>• Factors affecting rates of reaction</li> <li>• Measuring rates of reaction</li> <li>• Rate experiments</li> <li>• Finding reaction rates from graphs</li> </ul> <p><b>Required Practical 5: Rates of reaction</b>            'Investigate how changes in concentration affect the rates of reactions by a method involving measuring the volume of a gas produced and a method involving a change of colour or turbidity. This should be an investigation developing a hypothesis'.</p>	<p>Pages 106-114  <a href="http://LOLIYAV.exampro.net">http://LOLIYAV.exampro.net</a></p> <p>Pages 117-124  <a href="http://DOYOUAJ.exampro.net">http://DOYOUAJ.exampro.net</a></p> <p>Pages 127-129  <a href="http://HOLIRAN.exampro.net">http://HOLIRAN.exampro.net</a></p>

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		<p><u>Topic 6: Rate &amp; extent of chemical changes-2</u></p> <ul style="list-style-type: none"> <li>• Reversible reactions</li> <li>• Le Chatelier's principle</li> </ul>	
13 <sup>th</sup> November	20 <sup>th</sup> November	<ul style="list-style-type: none"> <li>• Review of all Y10 work</li> <li>• Working scientifically / maths skills</li> </ul>	<ul style="list-style-type: none"> <li>• All end of section questions in Revision Guide</li> <li>• Extra exam questions</li> </ul> <p>Pages 1-15</p>
11 <sup>th</sup> December	18 <sup>th</sup> December	<p><u>Topic 7: Organic chemistry- 1</u></p> <ul style="list-style-type: none"> <li>• Hydrocarbons</li> <li>• Fractional distillation</li> <li>• Uses and cracking of crude oil</li> <li>• Alkenes and their reactions</li> </ul> <p><u>Topic 7: Organic chemistry- 2</u></p> <ul style="list-style-type: none"> <li>• Addition polymers</li> <li>• Alcohols</li> <li>• Carboxylic acids</li> <li>• Condensation polymers</li> <li>• Naturally occurring polymers</li> </ul>	<p>Pages 132 - 138 <a href="http://OENUHOQ.exampro.net">http://OENUHOQ.exampro.net</a></p> <p>Pages 144-149 <a href="http://JYLIMUG.exampro.net">http://JYLIMUG.exampro.net</a></p>
8th January	15 <sup>th</sup> January	<p><u>Topic 8: Chemical analysis</u></p> <ul style="list-style-type: none"> <li>• Purity &amp; formulations</li> <li>• Testing for gases</li> <li>• Paper chromatography</li> <li>• Tests for anions</li> <li>• Tests for cations</li> <li>• Flame emission spectroscopy</li> </ul> <p><b>Required Practical 5: Chromatography</b> 'Investigate how paper chromatography can be used to separate and tell the difference between coloured substances. Students should calculate R<sub>f</sub> values'.</p> <p><b>Required Practical 7: Identifying ions</b> 'Use of chemical tests to identify the ions in unknown single ionic compounds covering the ions from sections 'flame tests' through to sulfates''</p>	<p>Pages 152-160 <a href="http://BIYUMEV.exampro.net">http://BIYUMEV.exampro.net</a></p>
22 <sup>nd</sup> January	29 <sup>th</sup> January	<p><u>Section 9: Chemistry of the atmosphere</u></p> <ul style="list-style-type: none"> <li>• Evolution of the atmosphere</li> </ul>	<p>Pages 163 – 169 <a href="http://QORUBUH.exampro.net">http://QORUBUH.exampro.net</a></p>

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		<ul style="list-style-type: none"> <li>• Climate change and greenhouse gases</li> <li>• Carbon footprints</li> <li>• Air pollution</li> </ul>	
5 <sup>th</sup> February	12 <sup>th</sup> February	<u>Section 10: Using resources- 1</u> <ul style="list-style-type: none"> <li>• Materials &amp; their properties</li> <li>• Alloys</li> <li>• Corrosion</li> <li>• Finite and renewable resources</li> <li>• Sustainability</li> <li>• Recycling</li> <li>• Life-cycle assessments</li> </ul> <u>Section 10: Using resources- 2</u> <ul style="list-style-type: none"> <li>• Potable water and water treatment</li> <li>• The Haber process</li> <li>• Fertilisers</li> </ul>	Pages 172- 182 <a href="http://PIFOVYY.exampro.net">http://PIFOVYY.exampro.net</a>  Pages 184-191 <a href="http://PASOXAO.exampro.net">http://PASOXAO.exampro.net</a>
26 <sup>th</sup> February	5 <sup>th</sup> March	<ul style="list-style-type: none"> <li>• Review of whole course</li> <li>• Exam practise</li> </ul>	
12 <sup>th</sup> March	19 <sup>th</sup> March	<ul style="list-style-type: none"> <li>• Review of whole course</li> <li>• Exam practise</li> </ul>	
26 <sup>th</sup> March	16 <sup>th</sup> April	<ul style="list-style-type: none"> <li>• Review of whole course</li> <li>• Exam practise</li> </ul>	

<b>Y11 Triple Physics: Revision of Y10 and Y11 content</b>
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Date set (Week beginning)	Due (week beginning)	Timescale	Topic/lesson in CGP revision guide	Revision Guide pages / link to exam questions/ Required Practicals
2 <sup>nd</sup> October	9 <sup>th</sup> October	1-2 weeks	Topic 1- Energy <ul style="list-style-type: none"> <li>• Energy stores</li> <li>• Work Done</li> <li>• Kinetic and Potential Energy Stores</li> <li>• Specific Heat Capacity</li> <li>• Conservation of Energy and Power</li> <li>• Conduction</li> <li>• Convection</li> <li>• Reducing Unwanted Energy Transfers</li> <li>• Efficiency</li> </ul>	p17-39  <a href="http://COCUNEW.exampro.net">http://COCUNEW.exampro.net</a>  RP1 Investigating Specific Heat Capacity – p21  RP2 Investigating Energy Transfers – p27

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			<ul style="list-style-type: none"> <li>• Energy Resources and their Uses</li> <li>• Wind and Solar Power</li> <li>• Geothermal and Hydro-electric Power</li> <li>• Wave Power and Tidal Barrages</li> <li>• Bio-fuels</li> <li>• Non-Renewable Resources</li> <li>• Trends in Energy Resource Use</li> </ul> <p><b>Complete all warm-up and exam questions</b></p>	
9 <sup>th</sup> October	30 <sup>th</sup> October	3-4 weeks inc. CEW and half-term	<p>Topic 2 Electricity</p> <ul style="list-style-type: none"> <li>• Current &amp; Circuit Symbols</li> <li>• Resistance</li> <li>• Circuit Devices</li> <li>• Sensing Circuits</li> <li>• Series Circuits</li> <li>• Parallel Circuits</li> <li>• Electricity in the Home</li> <li>• Power of Electrical Appliances</li> <li>• More on Power</li> <li>• The National Grid</li> <li>• Static Electricity</li> <li>• Electric Fields</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	<p>P40-62</p> <p><a href="http://ROKUPIW.exampro.net">http://ROKUPIW.exampro.net</a></p> <p>RP3 Investigating Resistance p42</p> <p>RP4 I-V Characteristics p43</p> <p>RP5 Circuits &amp; Resistance p50</p>
6 <sup>th</sup> November	13 <sup>th</sup> November	1 week	<p>Topic 3 Particle Model of Matter</p> <ul style="list-style-type: none"> <li>• Particle Model</li> <li>• Density</li> <li>• Internal Energy and Changes of State</li> <li>• Specific Latent Heat</li> </ul>	<p>P63 – 71</p> <p><a href="http://QIHEVET.exampro.net">http://QIHEVET.exampro.net</a></p>

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			<ul style="list-style-type: none"> <li>• Particle Motion in Gases</li> <li>• Pressure of Gases</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	
13 <sup>th</sup> November	20 <sup>th</sup> November	1 week	<p>Topic 4 Atomic Structure</p> <ul style="list-style-type: none"> <li>• Developing the Model of the Atom</li> <li>• Isotopes</li> <li>• Ionising Radiation</li> <li>• Nuclear Equations</li> <li>• Half-Life</li> <li>• Background Radiation</li> <li>• Contamination</li> <li>• Uses &amp; Risks of Radiation</li> <li>• Nuclear Fission &amp; Fusion</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p>	<p>P72-86</p> <p><a href="http://WAUUEEQ.exampro.net">http://WAUUEEQ.exampro.net</a></p>
27 <sup>th</sup> December	4 <sup>th</sup> December	Y11 mock exams – complete final revision of year 10 content listed above		
11 <sup>th</sup> December	8 <sup>th</sup> January	4-5 weeks inc. Xmas holidays	<p>Topic 5 Forces</p> <ul style="list-style-type: none"> <li>• Contact &amp; Non-Contact Forces</li> <li>• Weight, Mass &amp; Gravity</li> <li>• Resultant Forces</li> <li>• More on Forces</li> <li>• Forces &amp; Elasticity</li> <li>• Moments</li> <li>• Levers &amp; Gears</li> <li>• Fluid Pressure</li> <li>• Upthrust</li> <li>• Atmospheric Pressure</li> <li>• Distance, Displacement, Speed &amp; Velocity</li> <li>• Acceleration</li> <li>• DT Graphs</li> <li>• VT Graphs</li> <li>• Drag</li> <li>• Terminal Velocity</li> </ul>	<p>P87-125</p> <p>RP5 Investigating Springs p96</p> <p>RP6 Investigating Motion p113</p>

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			<ul style="list-style-type: none"> <li>• Newton's Laws</li> <li>• Stopping Distances</li> <li>• Reaction Times</li> <li>• Braking Distances</li> <li>• Speed &amp; Stopping Distances</li> <li>• Momentum</li> <li>• Changes in Momentum</li> </ul> <p><b>Including all Warm Up and Exam questions</b></p> <p><u>Working scientifically</u></p> <ul style="list-style-type: none"> <li>• The scientific method</li> <li>• Models and communication</li> <li>• Issues created by science</li> <li>• Risk</li> <li>• Designing Investigations</li> <li>• Processing data</li> <li>• Presenting data</li> <li>• More on graphs</li> <li>• Units</li> <li>• Converting units</li> <li>• Drawing conclusions</li> <li>• Uncertainty</li> <li>• Evaluation</li> </ul>	P1-16
15 <sup>th</sup> January	22 <sup>nd</sup> January	1-2 weeks	<p>Topic 6 Waves</p> <ul style="list-style-type: none"> <li>• Wave Basics</li> <li>• Transverse &amp; Longitudinal Waves</li> <li>• Reflection</li> <li>• Refraction</li> <li>• EM Waves</li> <li>• Dangers of EM Waves</li> <li>• Lenses</li> <li>• Images &amp; Ray Diagrams</li> <li>• Concave Lenses &amp; Magnification</li> <li>• Visible Light</li> <li>• Filters</li> <li>• IR Radiation</li> <li>• Black Body Radiation</li> <li>• Earth &amp; Radiation</li> <li>• Sound Waves</li> <li>• Ultrasound</li> <li>• Exploring Structures</li> <li>• Seismic Waves</li> <li>• <b>Including all Warm Up and Exam</b></li> </ul>	<p>P126-158</p> <p>RP7 Experiments with Waves</p> <p>RP8 Investigating Light</p> <p>RP9 Investigating Emission</p>

## Year 11 triple revision homework

		<b>questions</b>		
29 <sup>th</sup> January	5 <sup>th</sup> February	1-2 weeks	Topic 7 Magnetism & Electromagnetism <ul style="list-style-type: none"> <li>• Magnets</li> <li>• Magnetism</li> <li>• Electromagnets</li> <li>• The Motor Effect</li> <li>• Electric Motors</li> <li>• The Generator</li> <li>• Alternators &amp; Dynamos</li> <li>• Loudspeakers &amp; Microphones</li> <li>• Transformers</li> </ul> <b>Including all Warm Up and Exam questions</b>	P159-173
12 <sup>th</sup> February	26 <sup>th</sup> February	2-3 weeks inc. half-term	Topic 8 Space Physics <ul style="list-style-type: none"> <li>• The Life Cycle of Stars</li> <li>• The Solar System</li> <li>• Orbits</li> <li>• Red-shift &amp; Big Bang</li> </ul> <b>Including all Warm Up and Exam questions</b>	P174-179
5 <sup>th</sup> March	12 <sup>th</sup> March	1-2 week	Practical Skills <ul style="list-style-type: none"> <li>• Lengths &amp; Angles</li> <li>• Volumes</li> <li>• More on Measuring</li> <li>• Working with Electronics</li> <li>• Safety &amp; Experiments</li> </ul>	P180-184
19 <sup>th</sup> March	16 <sup>th</sup> April	4-5 weeks inc. Easter holidays	Practice Exams <p><b>By this stage you should know the topics and pages you need to revise again and more, so spend your time doing this and reviewing you Required Practical Handbook and any outstanding Exam question and MARK SCHEMES.</b></p>	P185-206