
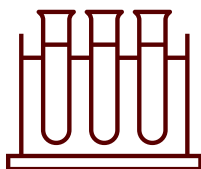




Subject	Format of the exam	Topics	Revision information
Biology Combined Science  	A combination of: <ul style="list-style-type: none"><li>• multiple-choice questions</li><li>• short answers</li><li>• and long answer questions</li></ul>	<b>Foundation and higher:</b> <ul style="list-style-type: none"><li>• Health, disease, non-communicable diseases,</li><li>• DNA,</li><li>• Genetics,</li><li>• Enzymes and their activity</li><li>• Cells and microscopy</li><li>• Cell division and growth,</li><li>• Osmosis,</li><li>• Selective breeding</li></ul>	<b>Higher only:</b> <ul style="list-style-type: none"><li>• Development of medicines and the immune system,</li><li>• Stem cells</li><li>• Genetic engineering</li><li>• Human genome</li></ul>
Biology Separate Science		<b>Foundation and higher:</b> <ul style="list-style-type: none"><li>• Health, disease, non-communicable diseases,</li><li>• DNA,</li><li>• Human genome</li><li>• Genetics</li><li>• The eye</li><li>• Enzymes and their activity</li><li>• Cells and microscopy</li><li>• Cell division and growth,</li><li>• Plant diseases and defences,</li><li>• Osmosis,</li><li>• Selective breeding,</li><li>• Plant hormones</li><li>• Plant cloning</li><li>• Food tests</li></ul>	<b>Higher only:</b> <ul style="list-style-type: none"><li>• Development of medicines and the immune system,</li><li>• Stem cells</li><li>• Evidence for evolution</li><li>• Genetic engineering</li><li>• Viruses</li></ul>



## Chemistry Combined Science



A combination of:

- multiple-choice questions
- short answers
- and long answer questions

### Foundation and higher tier:

- Atomic structure
- Isotopes
- Separating techniques
- Changes of state
- Chemical formulae
- Calculations – RFM, empirical formula, concentration, reacting masses
- Covalent bonding and covalent structures
- Ionic bonding
- Electrolysis
- Extraction of metals
- Metals
- Reactivity series

### Higher only:

- Acids and pH
- Using Avogadro's number

## Chemistry Separate Science

### Foundation and higher tier:

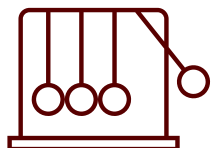
- Atomic structure
- Changes of state
- Separating techniques
- Making salts and titrations
- The Haber process
- Chemical formulae
- Calculations – RFM, empirical formula, concentration, reacting masses, atom economy, percentage yield
- Covalent bonding and covalent structures
- Ionic bonding
- Electrolysis
  - Extraction of metals
  - Metals and alloys
  - Corrosion of metals

### Higher only:

- Calculating gas volumes
- Dynamic equilibrium



## Physics Combined Science



### A combination of:

- multiple-choice questions
- short answers
- and long answer questions

### Foundation and higher:

- Motion and forces
- Vectors and scalars
- Waves
- Energy
- Renewable and non-renewable energy sources
- Light
- Radiation

### Higher only:

- Electromagnetic spectrum
- Newton's laws

## Physics Separate Science

### Foundation and higher:



- Motion and forces
- Vectors and scalars
- Waves
- Energy
- Renewable and non-renewable energy sources
- Light
- Radiation
- Nuclear fission and fusion
- Lenses
- Theories of the Universe

### Higher only:



- Ultrasound and infrasound
- Electromagnetic spectrum







# Subject Revision Summary

Subject	Format of the exam	Topics	Revision information			
<p>English</p> 		<p>English Language</p> <p>English Language Paper 2: Exploring Effects and Impact</p> <ul style="list-style-type: none"> <li>• Analysis of Unseen Texts (Q1-4)</li> <li>• Creative writing component (Q5)</li> </ul> <p>English Literature</p> <p>An Inspector Calls</p> <ul style="list-style-type: none"> <li>• Comparison of a scene from AIC with an unseen play</li> <li>• Writing an essay about another moment of the text</li> </ul> <p>Romeo and Juliet</p> <ul style="list-style-type: none"> <li>• Analysis of a scene from <i>Romeo and Juliet</i>, linking it to other parts of the play.</li> </ul>	<p>Students will be permitted to use ONE flashcard of notes to support them for each English.</p>			
<p>Mathematics</p> 	<p>Both tiers 1h30min calculator paper</p>	<p><b>Higher</b></p> <p>Ratio Simplifying Algebra, PFD/HCF/LCM Scatter Diagrams Average Speed Transformation Loci Circle Area Triangle Trig Equate Expressions/Solve</p>	<p>Percentages Percentage Increase Exponential Decay Product Rule Venn Diagrams, Complete the square Factorise Quadratics Identifying Different Types of Graphs Cosine Rule Quadratic Sequences</p>	<p><b>Foundation</b></p> <p>Odds and cubes Average Sequences Percentages Inverse Operations Ratio Substitution Solving Equations Transformation Solving Equations</p>	<p>Describing Transformations Number Problems Money/Percentages Circumference HCF/LCM Number problems Scatter Diagrams Probability Percentage reduction Mean from a table, Speed/Distance/Time Loci Equate algebraic expressions and solve</p>	<p>Specific revision tasks set on topics that will be assessed in the exam</p>




Subject	Format of the exam	Topics	Revision information
<b>Geography</b> 	Multiple choice, short answer questions & longer mark questions.  Sat in exam conditions in hall	<b>Natural Hazards:</b> <ul style="list-style-type: none"><li>• Types of hazard, locations, magnitude</li><li>• Climate change</li><li>• Case study knowledge (HIC&amp;LIC)</li></ul> <b>The Living World:</b> <ul style="list-style-type: none"><li>• Food webs</li><li>• Rainforest layers</li><li>• Plant &amp; animal adaptations</li></ul> <b>Physical Landscapes:</b> <ul style="list-style-type: none"><li>• Types of waves</li><li>• Engineering methods (Coasts &amp; rivers)</li><li>• Erosional features along rivers</li></ul> <b>Fieldwork element:</b> <ul style="list-style-type: none"><li>• Data collection methods used, justification.</li><li>• Knowledge of risks</li><li>• Conclusion and evaluations</li></ul>	<ul style="list-style-type: none"><li>• Use of classwork and revision guides available</li></ul>
<b>History</b> 	Questions from the exam only- all extended writing from 4-mark questions to 20-mark questions.  Germany Q1,2,3 and 5  WW1 Q1, 3 and 4	<ul style="list-style-type: none"><li>• Stresemann</li><li>• Problems of the WR</li><li>• America joining WW1</li><li>• Trench warfare and attrition</li><li>• Reasons for the ending of WW1 (War at sea).</li></ul>	No revision materials allowed in the exam (Revision PowerPoints available on Teams and students will have also have revision lessons. Plus, they also have a knowledge booklet. Paper copy at school and electronic copy on Teams).





Subject	Format of the exam	Topics	Revision information
RE 	Paper based assessment mirroring GCSE exam layout. Testing ability to identify correct terminology, explain moral issues and evaluate a viewpoint	Christian beliefs & Islam Beliefs  Religion and Life - Sanctity of Life, Natural Resources, Euthanasia, Animal experimentation and Abortion  Crime and Punishment - Aims of punishment, Reasons for crime, Community Service, Corporal Punishment, Capital Punishment	No revision materials allowed in the exam. Class PowerPoints available on Teams, along with a revision PowerPoint and supporting tasks. Students can also use the ZigZag Revision Guide, GCSEpod and BBC Bitesize to support their revision
French 	Range of past paper listening, reading and writing questions on the 4 units to revise	<ul style="list-style-type: none"><li>• Unit 5 – Home, town, neighbourhood and region (Where I live/In my town)</li><li>• Unit 7 – Global issues (environmental problems/solutions and inequalities)</li><li>• Unit 8 – Travel and tourism (Holidays)</li><li>• Unit 9 – My studies (School)</li></ul>	No revision materials allowed in the exam. Revision material: key vocabulary lists for those topics will be posted on Teams
Music 	The students will complete a GarageBand project of 2 minutes	<ul style="list-style-type: none"><li>• Component 3 practical. Students will work to develop an arrangement of a given song over the course of a week in lessons</li></ul>	<ul style="list-style-type: none"><li>• NA</li></ul>
Drama 	Students will also be assessed on their devised group performance and supporting portfolio, which has been created during the process	Both elements of Component 3, as in the summer exam, with the same time allocations. 3A 'Hard to Swallow' – actor, director and designer perspectives, focusing on pages p28-30 of the play. 3B Live Review - prior to the exam you will have watched the two key sections that will be used for live review (links for which have been provided in Teams), in addition to studying them. . *In March you will have your Component 2 exam. This is practical and should be assessed by a visiting external examiner	3A - Time will be given in lessons and as homework to prepare detailed revision notes as a director, actor and designer, focusing on the given text section, building upon prior knowledge  3B – Specific notes on Movement or Costume, hair and make-up in the two key scenes. The links to the scenes are in Teams



# Subject Revision Summary

Subject	Format of the exam	Topics	Revision information
<b>Business Studies</b> 	Multiple choice (1 mark each), short answer (3+6+9), and 12-mark questions.	Theme 2 – sections 2.1 - 2.4 <i>Growing the business:</i> Business growth, changes in business aims/objectives; business and globalisation + ethics, the environment + business. Making marketing decisions – product/price/promotion/place/using the marketing mix to make business decisions. Making operational decisions – business operations; working with suppliers; managing quality; sales process. <i>Making financial decisions</i> - business calculations; understanding business performance.).	<ul style="list-style-type: none"><li>• No materials in assessment</li><li>• Topic booklets</li><li>• Revision materials</li><li>• GCSE Pod</li></ul>



Subject	Format of the exam	Topics	Revision information
Engineering 		<ul style="list-style-type: none"><li>• Usability of everyday products</li><li>• Maintenance of products and reasons for varying sized components such as wheels, sprockets, gears etc.</li></ul> <p>Key Topics:</p> <ul style="list-style-type: none"><li>• The difference between ferrous vs non-ferrous metals, and thermo plastic vs thermosetting plastics.</li><li>• Labelling and drawing metal and thermoplastics processes such as welding, soldering, brazing, blow moulding, injection moulding, rotational moulding, vacuum forming and line bending.</li><li>• Explaining how mechanism work and their importance in products.</li><li>• Advantages and disadvantages of using various materials and their characteristics - softwoods, hardwoods, manufactured boards, FSC (forest stewardship council), thermo plastics, thermosetting plastics, ferrous metals, non-ferrous metals, alloys, smart materials (such as shape memory alloy and thermochromic pigment), and composite materials.</li><li>• Being able to convert isometric drawings into orthographic drawings and vice versa</li><li>• Having the ability to discuss product evolution</li></ul>	
Design & Technology 	2-hour exam	<p>An understanding of:</p> <ul style="list-style-type: none"><li>• Primary user needs/wants/requirements.</li><li>• Stakeholder role in design.</li><li>• Safety in the work environment (COSHH symbols/risk assessments).</li><li>• Renewable energy and non-renewable energy.</li><li>• Materials testing such as strength, hardness, toughness, malleability, ductility and elasticity.</li><li>• Materials and their characteristics- softwoods, hardwoods, manufactured boards, FSC (forest stewardship council), thermo plastics, thermosetting plastics, ferrous metals, non-ferrous metals, alloys, smart materials, and composite materials.</li><li>• Sustainability and the 6 R's of recycling (reduce, reuse, recycle, rethink, repair &amp; refuse).</li><li>• Product processes (and being able to draw them) such as blow moulding, injection moulding, rotational moulding, compression moulding, vacuum forming and line bending etc</li></ul>	