

## Year 11 Mock Exam – Summary of Exam Content by Subject for written papers

SUBJECT	EXAM	LENGTH	TOPICS
<b>Biology - triple</b>	Biology	1hr 45mins	<ul style="list-style-type: none"> <li>• Cell Biology</li> <li>• Organisation</li> <li>• Infection and response</li> <li>• Bioenergetics</li> </ul>
<b>Biology - combined</b>	Biology	1hr 15mins	
<b>Business Studies</b>	Paper 1	1hr 30mins	<ul style="list-style-type: none"> <li>• Enterprise and entrepreneurship</li> <li>• Spotting a business opportunity</li> <li>• Putting a business idea into practice</li> </ul>
	Paper 2	1hr 30mins	<ul style="list-style-type: none"> <li>• Making the business effective</li> <li>• Understanding external influences on business</li> <li>• Growing the business</li> <li>• Making marketing decisions</li> </ul>
<b>Chemistry - triple</b>	Chemistry	1hr 45mins	<ul style="list-style-type: none"> <li>• Atomic structure and the periodic table</li> <li>• Bonding, structure, and the properties of matter</li> <li>• Quantitative chemistry</li> <li>• Chemical changes</li> <li>• Energy changes</li> </ul>
<b>Chemistry - combined</b>	Chemistry	1hr 15mins	
<b>Computer Science</b>	Paper 1 – Computer systems	1hr 30mins	<ul style="list-style-type: none"> <li>• CPU</li> <li>• Computer memory and storage</li> <li>• Wired and wireless networks</li> <li>• Network topologies</li> <li>• System security</li> <li>• System software</li> <li>• Ethical, legal, cultural and environmental concerns</li> </ul>
	Paper 2 – Computational thinking, algorithms and programming	1hr 30mins	<ul style="list-style-type: none"> <li>• Algorithms</li> <li>• Programming techniques</li> <li>• Producing robust programs</li> <li>• Computational logic</li> <li>• Translators and facilities of languages</li> <li>• Data representation</li> </ul>
<b>Drama</b>	Component 1 Response	1hr 30mins	<ul style="list-style-type: none"> <li>• Analysis and evaluation of DNA (Dennis Kelly)</li> </ul>
<b>English Language</b>	Paper 2	1hr 45mins	<ul style="list-style-type: none"> <li>• Section A Reading – one non-fiction text and one literary non-fiction text</li> <li>• Section B Writing – writing to present a viewpoint</li> </ul>
<b>English Literature</b>	Paper 2	1hr 45mins	<ul style="list-style-type: none"> <li>• Modern prose or drama texts (Romeo and Juliet)</li> <li>• Unseen poetry</li> </ul>
<b>Food and Nutrition</b>	20 multiple choice and 5 longer questions	1hr 45mins	<ul style="list-style-type: none"> <li>• Nutrition</li> <li>• Food science</li> <li>• Food choice</li> <li>• Food safety</li> </ul>
<b>French Foundation</b>	Writing	1hr	<ul style="list-style-type: none"> <li>• Me. my family and friends</li> <li>• Technology in everyday life</li> <li>• Free-time activities</li> <li>• Festivals</li> <li>• Home, town and neighbourhood</li> <li>• Social issues</li> <li>• Healthy and unhealthy living</li> <li>• Global issues and the environment</li> <li>• Travel, tourism and holidays</li> <li>• My studies</li> <li>• Life at school</li> <li>• Jobs and work</li> </ul>
	Listening	35mins	
	Reading	45mins	
<b>French Higher</b>	Writing	1hr 15mins	
	Listening	45mins	
	Reading	1hr	
<b>Geography</b>	Paper 1 Physical Geography	1hr 30mins	<ul style="list-style-type: none"> <li>• The Challenge of Natural hazards</li> <li>• The Living World</li> <li>• Physical Landscapes in the UK (rivers and coasts)</li> </ul>
	Paper 2 Human Geography	45mins	<ul style="list-style-type: none"> <li>• Urban issues and challenges</li> </ul>

<b>German Foundation</b>	Listening	35mins	<ul style="list-style-type: none"> <li>• Me. my family and friends</li> <li>• Technology in everyday life</li> <li>• Free-time activities</li> <li>• Festivals</li> <li>• Home, town and neighbourhood</li> <li>• Social issues</li> <li>• Healthy and unhealthy living</li> <li>• Global issues and the environment</li> <li>• Travel, tourism and holidays</li> <li>• My studies</li> <li>• Life at school</li> <li>• Jobs and work</li> </ul>
	Reading	45mins	
	Writing	1hr	
<b>German Higher</b>	Listening	45mins	
	Reading	1hr	
	Writing	1hr 15mins	
<b>History</b>	Paper 1 Germany 1890-1945 and Conflict and Tension 1918-1939	2hrs	<ul style="list-style-type: none"> <li>• Germany 1890-1945</li> <li>• Growth of German democracy</li> <li>• Depression and Hitler's rise</li> <li>• Nazi society</li> </ul>
	Paper 2 Healthcare in Britain	1hr	<ul style="list-style-type: none"> <li>• Conflict and Tension 1918-1939</li> <li>• Peacekeeping (Treaty of Versailles)</li> <li>• League of Nations</li> <li>• Causes of WWII</li> <li>• Medieval medicine</li> <li>• Renaissance medicine</li> <li>• Industrial revolution medicine</li> <li>• Modern medicine</li> </ul>
<b>Maths Foundation and Higher</b>	Paper 1 – Non-calculator	1hr 30mins	Questions will cover all GCSE topics
	Paper 2 – Calculator F and H	1hr 30mins	
	Paper 3 - Calculator	1hr 30mins	
<b>Music</b>	Listening	1hr 45mins	<ul style="list-style-type: none"> <li>• Musical elements</li> <li>• Musical contexts</li> <li>• Musical language</li> <li>• Theory concepts from the pink book</li> <li>• All 8 of the set works- stage and screen, vocal music, fusion music and instrumental music.</li> </ul>
<b>PE</b>	Paper 1	1hr 15mins	<ul style="list-style-type: none"> <li>• The structure and functions of the musculoskeletal system, cardio-respiratory system</li> <li>• Anaerobic and aerobic exercise</li> <li>• The short and long-term effects of exercise</li> <li>• The components of fitness, benefits for sport and how fitness is measured and improved</li> <li>• The principles of training and their application to personal exercise/training programmes</li> <li>• How to optimise training and prevent injury</li> <li>• Movement Analysis</li> </ul>
	Paper 2	1hr 15mins	<ul style="list-style-type: none"> <li>• Classification of skills (basic/complex, open/closed) information processing and learning theories</li> <li>• The use of goal setting and SMART targets to improve and/or optimise performance</li> <li>• Guidance and feedback on performance</li> <li>• Mental preparation for performance</li> </ul>
<b>Physics - triple</b>	Physics	1hr 45mins	<ul style="list-style-type: none"> <li>• Energy</li> <li>• Electricity</li> <li>• Particle model of matter</li> <li>• Atomic structure</li> </ul>
<b>Physics - combined</b>	Physics	1hr 15mins	
<b>Product Design</b>		2hrs	<ul style="list-style-type: none"> <li>• Materials and their working properties (including paper and boards, timbers, metals, polymers and textiles)</li> <li>• Modern and smart materials</li> <li>• Sustainability</li> <li>• Systems and mechanical devices</li> </ul>

			<ul style="list-style-type: none"> <li>• Technical principles in one material area (timbers/polymers/metals) including processing and finishing techniques</li> </ul>
<b>RS</b>	Paper 1 Christianity	55mins	<ul style="list-style-type: none"> <li>• Christian Beliefs</li> <li>• Christian Practices</li> </ul>
	Paper 2 Thematic Studies	1hr 45mins	<ul style="list-style-type: none"> <li>• Conflict</li> <li>• Crime</li> <li>• Families</li> <li>• Life</li> </ul>
<b>Spanish Foundation</b>	Listening	35mins	<ul style="list-style-type: none"> <li>• Me. my family and friends</li> <li>• Technology in everyday life</li> <li>• Free-time activities</li> <li>• Festivals</li> <li>• Home, town and neighbourhood</li> <li>• Social issues</li> <li>• Healthy and unhealthy living</li> <li>• Global issues and the environment</li> <li>• Travel, tourism and holidays</li> <li>• My studies</li> <li>• Life at school</li> <li>• Jobs and work</li> </ul>
	Reading	45mins	
	Writing	1hr	
<b>Spanish Higher</b>	Listening	45mins	
	Reading	1hr	
	Writing	1hr 15mins	