

Science information 2009/2010

	Module	Examination type
Core	Biology1a 1. Coordination and control 2. Healthy eating 3. Drug abuse 4. Controlling infectious disease	Objective test- multiple choice
	Biology1b 5. Adaptation for survival 6. Variation 7. Evolution 8. How people affect the planet	Objective test- multiple choice
	Chemistry1a 1. Rocks as building materials 2. Metals from rocks 3. Crude oil	Objective test- multiple choice
	Chemistry1b 4. Products from oils 5. Plant oils 6. The changing world	Objective test- multiple choice
	Physics1a 1. Heat transfer 2. Using energy 3. Electrical energy 4. Generating electricity	Objective test- multiple choice
	Physics1b 5. Electromagnetic waves 6. Radioactivity 7. The origins of the universe	Objective test- multiple choice
Additional	B2 –Additional Biology 1. Cells 2. How plants produce food 3. Energy flows through ecosystems 4. Enzymes 5. Homeostasis 6. Inheritance and genetics.	Long answer written paper

	<p>C2- Additional Chemistry</p> <ol style="list-style-type: none"> 1. Structure and bonding 2. Structures and properties 3. Chemical calculations- mass numbers and moles 4. Rates of reaction 5. Energy and reactions 6. Electrolysis 7. Acids, Alkalis and salts 	Long answer written paper
	<p>P2- Additional Physics</p> <ol style="list-style-type: none"> 1. Motion 2. Speeding up and slowing down 3. Work, energy and momentum 4. Static electricity 5. Electrical circuits 6. Mains electricity 7. Nuclear physics 	Long answer written paper
Extension	<p>B3 Further Biology</p> <ol style="list-style-type: none"> 1. Active transport 2. Exchange of materials in gut, gills and other surfaces 3. Transpiration 4. Transport in the blood and respiratory system 5. The human kidney 6. Microbiology 7. Biogas and other biofuels 	Long answer written paper
	<p>C3- Further Chemistry</p> <ol style="list-style-type: none"> 1. The development of the periodic table 2. Groups 1 and 7 3. Acids and bases 4. Water 5. Energy calculations 6. Testing for ions 7. Testing for organic substances 	Long answer written paper
	<p>P3- Further Physics</p> <ol style="list-style-type: none"> 1. Turning forces 2. Gravitational attraction and satellites 3. Light 4. Sound 5. Electromagnetism 6. Stars and space 	Long answer written paper

<p>Additional Applied</p>	<p><u>Unit 1</u> Report 1. Science in the Workplace Compare and contrast how science is used within a local, national and international organisation.</p> <p>Report 2. Health and Safety This part of the Unit 1 portfolio should contain the following:</p> <ol style="list-style-type: none"> 1. First Aid 2. Fire Safety 3. Risks and Hazards <p><u>Units 2 Science at Work & 3 Using Scientific Skills</u></p> <p><u>Food Science</u> Food labelling Food tests Food groups Organic vs intensive farming</p> <p><u>Forensic Science</u> Analysing evidence from a crime scene Collecting evidence from a crime scene Interpreting and presenting evidence Using databases</p> <p><u>Sports Science</u> How do our bodies work during sport? How do we measure fitness? Muscles</p>	<p>Unit 1- This section provides 20% of the Additional Applied marks. It is assessed by a portfolio of evidence that should include two reports</p> <p>Unit 2 - This unit will be assessed by written examination.</p> <p>Unit 3 - Candidates need to produce a portfolio of evidence, which should contain a report of one practical investigation set in a vocational context covering either Food Science or Forensic Science or Sports Science.</p>
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Dates for Science 2009/2010

Date	Examination	Group
19 th November	Objective tests	Yr 10 (Yr 11 retakes)
14 th January	Biology 2	Yr 11 triple only
18 th January	Chemistry 2	Yr 11 triple only
20 th January	Physics 2	Yr 11 triple only
3 rd March	Objective tests	Yr 10 (Yr 11 retakes)
28 th June (provisional)	Objective tests	Yr 10