

16<sup>th</sup> March 2022

Dear Parents/Carers,

RE: Year 11 Mock Exam Content 2022

Your teachers will have already discussed with you what will be in your mock exams. This document is a summary of this. Good luck

### **Business Studies Mrs Shah**

We will be sitting Paper 2:

*Topics covered in this paper are below:*

- The Product life cycle
- Pricing strategies
- The design mix
- Organic and inorganic business growth
- Business ethics
- Stock control

### **Combined and Triple Science - Biology Mr Sattar**

You will be completing two Biology exams (Paper 1 and 2), each worth 80 marks for triple science and 70 marks for combined science. With the exception of the topics that will not be examined as specified on the advanced information sheet, all content from topics 1 to 4 will be covered for paper 1.

At least two of the required practical questions will be asked. Topics 5 and 6 will be addressed in paper 2, with at least one required practical, as specified on the advanced information sheet.

### **Combined and Triple Science - Physics Mr Singh**

Paper 1 topics:

- 6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes
- 6.2.4 Energy transfers
- 6.3.1 Changes of state and the particle model
- 6.3.3 Particle model and pressure
- 6.4.1 Atoms and isotopes
- 6.4.2 Atoms and nuclear radiation

Required practical activities that will be assessed:

Required practical activity 14: an investigation to determine the specific heat capacity of one or more materials. The investigation will involve linking the decrease of one energy store (or work done) to the increase in temperature and subsequent increase in thermal energy stored.

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Required practical activity 16: use circuit diagrams to construct appropriate circuits to investigate the I–V characteristics of a variety of circuit elements, including a filament lamp, a diode and a resistor at constant temperature.

Paper 2 topics:

- For this paper, the following list shows the major focus of the content of the exam:
- 6.5.1 Forces and their interactions
- 6.5.4.1 Describing motion along a line
- 6.5.4.2 Forces, accelerations and Newton's Laws of motion
- 6.5.5 Momentum
- 6.6.2 Electromagnetic waves
- 6.7.2 The motor effect

Required practical activity that will be assessed:

Required practical activity 21: investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of that surface.

### **Combined Science and Triple Chemistry - Mrs Thandi**

Paper 1 topics

- Atomic structure and the periodic table
- Bonding, structure and the properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes

Paper 2 topics

- The rate and extent of chemical change
- Organic Chemistry
- Chemical analysis
- Chemistry of the atmosphere

**Combined Science – FOUNDATION ONLY - Mrs Davies**

Foundation Tier	Topics	Example of content
Physics paper 1	P1 Energy	Energy stored in a system
	P2 Electricity	Current in a circuit
	P3 Particle model of matter	Density of materials – required practical
	P4 Atomic structure	Nuclear equations
Physics paper 2	P5 Forces	Weight mass and gravity
	P6 Waves	The uses of the electromagnetic spectrum
	P7 Magnetism	Permanent and induced magnets
Chemistry paper 1	C1 Atomic structure	The periodic Table
	C2 Bonding and structure	Ionic and covalent bonding
	C3 Quantitative chemistry	Conservation of mass
	C4 Chemical changes	Reactions with acids
	C5 Energy Changes	Exothermic and endothermic reactions
Chemistry paper 2	C6 The rate of chemical change	Rates of reaction
	C7 Organic Chemistry	Hydrocarbons
	C8 Chemical Analysis	Purity and formulation
	C9 Chemistry of the Atmosphere	Air pollution
	C10 Using Resources	Potable water
Biology paper 1	B1 Cell biology	Microscopes
	B2 Organisation	Food tests
	B3 Infection and response	Communicable diseases
	B4 Bioenergetic	Rates of photosynthesis
Biology paper 2	B5 Homeostasis	Controlling blood glucose levels
	B6 Inheritance and variation	Reproduction
	B7 Ecology	Using Quadrats

### **English Language and Literature Ms Gabriel and Ms Gill**

They should use their existing revision notes/guides, watch Mr Bruff's YouTube videos and use teaching notes/marking from their books.

For English Literature we will be completing an essay on 'Macbeth' (1 hour).

The characters covered are:

- Macbeth
- Lady Macbeth
- Banquo
- Macduff
- Malcolm,
- The Witches

The themes covered are: The supernatural, appearance versus reality, ambition, power, kingship and patriotism, guilt, conflict between good and evil

For English Language we will be complete English Language Paper 2 (1 hour 45 minutes):

It will cover 'Non-Fiction Writers' Viewpoints and Perspectives:

Question 1 - *Identify and interpret explicit and implicit information and ideas.*

Question 2 - *Identify and interpret explicit and implicit information and ideas. Select and synthesise evidence from different texts*

Question 3 - *Explain, comment on and analyse how writers use language and structure to achieve effects and influence readers, using relevant subject terminology to support their views*

Question 4 - *Compare writers' ideas and perspectives, as well as how these are conveyed, across two or more texts*

Question 5 - *Writing to argue and persuade*

### **Geography Mr Cowan**

For Geography we will be sitting Paper 3. The topics covered in this paper is below:

- Topic 7 – People and the environment e.g. Ecosystems
- Topic 8 – Forests under threat e.g. Tropical and Taiga forests
- Topic 9 – Consuming energy resources e.g. Renewable and Non-renewable resources

And...

- Making Geographical decisions (skills and enquiry-based question)

### **History Mrs Broughton**

Students will be doing a 2hr paper comprising of:

Paper 1 – Democracy and Dictatorship Germany 1890-1945

Paper 2 – Norman England

### **Maths Mrs Dhadwal, Ms Hussain and Mr Patria**

Students will be doing a 2hr paper comprising of:

- Number
- Algebra
- Ratio, Proportions and rates of change
- Geometry and measures
- Probability
- Statistics

### **RE Mr Singh**

The RE paper will be paper 2; Thematic studies

Theme A: Relationships and family

Theme B: Religion and life

Theme C: The existence of God and revelation

### **Spanish Mrs Allegra-Jone**

The themes below will be covered in the mock exams

<b>Theme One</b> <i>Identity and Culture</i>	<b>Theme Two</b> <i>Local, National and global areas of interest</i>	<b>Theme Three</b> <i>Current and future study and employment</i>
<b>Topic One: Me, My family and friends</b> Relationships with family and friends Marriage/Partnership	<b>Topic One: Home, town, neighbourhood and region</b>	<b>Topic One: My Studies</b>
<b>Topic Two: Technology in everyday life</b> Social Media Phones- Apps, games etc.	<b>Topic Two: Social Issues</b> Charity/Voluntary work Heathy Living Unhealthy Living	<b>Topic Two: Life at school/college</b>
<b>Topic Three: Free Time activities</b> Music Cinema and TV Food and eating out Sport	<b>Topic Three: Global Issues</b> The Environment Poverty Homelessness	<b>Topic Three: Education Post-16</b>
<b>Topic Four: Customs and festivals in Spanish speaking countries and communities</b>	<b>Topic Four: Travel and Tourism</b>	<b>Topic Four: Jobs, career choices and ambitions</b>

Yours sincerely

Mr D Cowan  
Assistant Headteacher