



The
Birkenhead Park
School

GCSE

**Advanced
Information**

GCSE ENGLISH LANGUAGE

Assessment for reading and writing skills will occur throughout the papers.

Paper 1 – NO CHANGE

Paper 2 - The focus of the June 2022 paper will be as follows:

- Section A Reading: 21st Century Autobiographical text/19th Century Essay text
- Section B Writing: Article

GCSE ENGLISH LITERATURE

For 2022, the exam board have reduced the required subject content.

Paper 1

- 19th Century Novel *A Christmas Carol*
- Modern drama *An Inspector Calls* only

Paper 2

- Shakespeare *Romeo and Juliet* and Unseen Poetry

The total mark allocation for both papers has been reduced from 160 to 130.

GCSE MATHS

- **Paper 1 Non Calculator – Friday 20th May, 1hour 30minutes**
- **Paper 2 Calculator – Tuesday 7th June, 1hour 30minutes**
- **Paper 3 Calculator – Monday 13th June, 1hour 30minutes**

Edexcel have issued a topic list for each paper for each tier of entry (Foundation/Higher).

- The topics given are in the order of the given specification not the order of the exam paper and therefore we cannot necessarily determine the grade/difficulty of that topic assessed.
- However as we have a topic list for both foundation and higher we can gain an insight into the crossover questions and therefore which content will be assessed at a grade 4/5 level.
- Due to the length of the topic lists, these will be uploaded to TEAMS for each tier of entry along with information guiding them as to which are the 'crossover' topics.
- Students should use this list as a focus for their revision for the summer 2022 GCSEs.

Additionally a formula sheet will be provided in the exam for all students, a copy of this will be uploaded to TEAMS so students can familiarise themselves with the document.

Students will also be given a full topic breakdown list, as per the summer GCSE, for their upcoming Summative Assessments beginning 7th March. This will be available on TEAMS ready for half term.

If students require printouts of any of the above information please ask them to speak to their Maths teacher in the first instance.

COMBINED SCIENCE **BIOLOGY**

Paper 1

Content:

- 4.1.2 Cell division
- 4.2.2 Animal tissues, organs and organ systems
- 4.4.1 Photosynthesis

Additional Content:

- 4.3.1 Communicable diseases (FOUNDATION ONLY)

Paper 2

Content:

- 4.5.3 Hormonal control in humans
- 4.7.2 Organisation of an ecosystem

Additional Content:

- 4.6.1 Reproduction
- 4.7.1 Adaptations, interdependence and competition (FOUNDATION ONLY)
- 4.7.3 Biodiversity and the effect of human interaction on an ecosystem (HIGHER TIER ONLY)

SEPARATE SCIENCE **BIOLOGY**

Paper 1

Content:

- 4.1.1 Cell structure
- 4.1.3 Transport in cells
- 4.2.2 Animal tissues, organs and organ systems
- 4.2.3 Plant tissues, organs and systems
- 4.3.1 Communicable diseases
- 4.3.2 Monoclonal antibodies

Paper 2

Content:

- 4.5.2 The human nervous system
- 4.5.3 Hormonal control in humans
- 4.5.4 Plant hormones
- 4.6.1 Reproduction
- 4.7.2 Organisation of an ecosystem

COMBINED SCIENCE

CHEMISTRY

Paper 1

Content:

- 5.2.2 How bonding and structure are related to the properties of substances
- 5.4.1 Reactivity of metals
- 5.4.2 Reactions of acids
- 5.4.3 Electrolysis

Additional Content:

- 5.1.2 The periodic table
- 5.2.3 Structure and bonding of carbon (FOUNDATION ONLY)
- 5.3.2 Use of amount of substance in relation to masses of pure substances
- 5.5.1 Exothermic and endothermic reactions (HIGHER TIER ONLY)

Paper 2

Content:

- 5.6.1 Rate of reaction
- 5.6.2 Reversible reactions and dynamic equilibrium
- 5.7.1 Carbon compounds as fuels and feedstock
- 5.8.1 Purity, formulations and chromatography
- 5.9.1 The composition and evolution of the Earth's atmosphere
- 5.10.1 Using the Earth's resources and obtaining potable water

Additional Content:

- 5.9.3 Common atmospheric pollutants and their sources (FOUNDATION TIER ONLY)

SEPARATE SCIENCE

CHEMISTRY

Paper 1

Content:

- 4.1.2 The periodic table
- 4.2.1 Chemical bonds, ionic, covalent and metallic
- 4.2.2 How bonding and structure are related to the properties of substances
- 4.2.3 Structure and bonding of carbon
- 4.3.2 Use of amount of substance in relation to masses of pure substances
- 4.4.1 Reactivity of metals
- 4.4.2 Reactions of acids
- 4.4.3 Electrolysis
- 4.5.1 Exothermic and endothermic reactions

Paper 2

Content:

- 4.6.1 Rate of reaction
- 4.6.2 Reversible reactions and dynamic equilibrium
- 4.7.1 Carbon compounds as fuels and feedstock
- 4.9.1 The composition and evolution of the Earth's atmosphere
- 4.10.1 Using the Earth's resources and obtaining potable water
- 4.10.4 The Haber process and the use of NPK fertilisers

COMBINED SCIENCE PHYSICS

Paper 1 (FOUNDATION)

Content:

- 6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes
- 6.3.1 Changes of state and the particle model
- 6.4.2 Atoms and nuclear radiation

Additional content:

- 6.1.3 National and global energy resources
- 6.2.1 Current, potential difference and resistance (FOUNDATION TIER ONLY)
- 6.2.4 Energy transfers
- 6.3.3 Particle model and pressure
- 6.4.1 Atoms and isotopes (HIGHER TIER ONLY)

Paper 2 (FOUNDATION)

Content:

- 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
- 6.6.2 Electromagnetic waves
- 6.7.2 The motor effect

Additional Content:

- 6.5.4.3 Forces and braking
- 6.7.1 Permanent and induced magnetism, magnetic forces and fields (FOUNDATION TIER ONLY)
- 6.5.5 Momentum (HIGHER TIER ONLY)

SEPARATE SCIENCE PHYSICS

Paper 1

Content:

- 4.1.1 Energy changes in a system, and the ways energy is stored before and after such changes
- 4.1.2 Conservation and dissipation of energy
- 4.2.4 Energy transfers
- 4.3.1 Changes of state and the particle model
- 4.3.2 Internal energy and energy transfers

Paper 2

Content:

- 4.5.1 Forces and their interactions
- 4.5.2 Work done and energy transfer
- 4.5.3 Forces and elasticity
- 4.5.5 Pressure and pressure differences in fluids
- 4.5.6.1 Describing motion along a line
- 4.5.7 Momentum
- 4.6.1 Waves in air, fluids and solids
- 4.8.1 Solar system; stability of orbital motions; satellites
- 4.8.2 Red-shift

GCSE ART & DESIGN

The main changes to the Art GCSE course are that students will not need to sit the 10 hour practical exam.

Close Up Project

Produce a set of drawings of **natural forms**, such as **poppy heads**.

Develop a set of **polystyrene press prints** based on the images.

Produce a set of **overprints**, printing over half of the original prints.

Mount up, display and annotate.

Create a 3D mask.

Experiment with **materials and techniques** for your final piece.

Focus on one main, idea for your final mask. Make a **small scale** version of this from card and a **large scale** version using Modroc.

Complete all **research pages** in your **Masks book**.

Produce a short written **evaluation** for all projects.

Extension Project

Research different **architectural styles**, including the work of **Antoni Gaudi**. Create a **mixed media** piece of work.

GCSE DRAMA

What you need to know:

- Students will sit 1 written exam paper that includes 3 sections
- No change to Section A
- Extract provided for Section B
- No change to Section C

Section A (Roles and Responsibilities) – NO CHANGE

Section B: (Blood Brothers)

The amendments to the exam are with reference to section B only. We no longer need to forensically learn the whole play. We need to understand the whole play for context but our exam questions are now focused around a single extract. Extract provided for questions:

Play	Section of play
<i>Blood Brothers</i> by Willy Russell	Act Two Start: (page number 68) <i>The classroom sequence breaks up as we see Mrs Lyons staring at a piece of paper. Edward is standing before her.</i> Mrs Lyons (incredulously) Suspended? Suspended? (She looks at the paper.) Because of a locket. Finish: (page number 75) Edward Come on then.....my ma...

- **Need to revise:** we will be focusing our revision and exam technique on THIS EXTRACT ONLY, and briefly referring to the rest of the play for context. Students will be given a copy of this extract for them to keep, annotate and revise from.

Section C (Live Theatre Review) – NO CHANGE

GCSE FILM STUDIES

Advance notice covers Component 1 and 2 only. There is no advance information for Component 3

Component 1 – Key developments in US film

Section A - US film comparative study (Rebel and Ferris)

- The key elements of film form
- Genre

Component 2 – Global film: Narrative, representation and film style

Section A - Global English language film (District 9)

- The key elements of film form
- The distinction between plot and story
- Narrative conventions

Section B - Global non-English language film (Let the Right One in)

- Representation - Age

Section C: Contemporary UK film (Attack of the Block)

- Mise-en-scène
- The aesthetic qualities of film

GCSE FOOD PREPARATION & NUTRITION

COURSEWORK

The 3-hour practical examinations will begin the week commencing *21st March and 28th March*. Each student will receive their specific practical day shortly after the February half term break. It is vital students attend this practical examination, as the marks awarded for this make up a large proportion towards the coursework mark and final grade.

ADVANCE INFORMATION – FOCUS OF THE JUNE 2022 EXAM

Making informed choices

- The current guidelines for a healthy diet
- Portion size and costing when meal planning
- How people's nutritional needs change and how to plan a balanced diet for different life stages
- How to plan a balanced meal for specific dietary groups • how to maintain a healthy body weight throughout life **Diet, nutrition and health**
- the relationship between diet, nutrition and health
- major diet related health risks

Carbohydrates

- Gelatinisation
- Dextrinisation
- Caramelisation

Buying and storing food

- The food safety principles when buying and storing food

Preparing, cooking and serving

- The food safety principles when preparing, cooking and serving food

Factors affecting food choice

- To know and understand factors which may influence food choice.

Food and the environment

- Environmental issues associated with food

Food production

- Primary and Secondary stages of processing and production • how processing affects the sensory and nutritional properties of ingredients

GCSE GEOGRAPHY

What you need to know:

- Pupil will sit three separate papers
- No change to paper 1
- Optionality introduced for Paper 2
- Fieldwork not required
- Familiar fieldwork questions removed from paper 3

Paper 1 - Living with the physical environment - No change to Paper 1

- 90 Minutes
- 88 marks
- 35% of total grade
- Need to revise: Natural hazards/Ecosystems/Coasts/ Rivers

Paper 2 - Challenges in the human environment

- Reduced from 90 minutes to 75 minutes.
- 88 marks reduced to 63 marks (removal of 25 marks)
- 9-mark question removed from section B and 5 extra marks added to section C, this makes each section equal at 30 marks
- 35% of total Grade
- Choose either Section B OR Section C
- Need to revise: Challenges of urban areas - Rio & Liverpool/UK food, water and energy/Global Water

Paper 3 - Geographical applications

- Reduced from 75 minutes to 60 minutes.
- 76 marks reduced to 56 marks (reduction of 20 marks).
- Pre-release will be delivered, and teaching will begin 22nd March 2022.
- Section B, Question 5 - questions on familiar fieldwork will be removed
- 30% of total grade

GCSE HISTORY

What you need to know:

- Students will sit three separate exam papers
- Chosen topics are Henry VIII, Superpower Relations, USA Civil Rights & The Vietnam War.
- **Crime & Punishment topic removed.**

Paper 2, Booklet B - British Depth Study (Henry VIII)

- 55 Minutes.
- 32 marks.
- 28.6% of total grade.
- Need to revise: Henry VIII.

Paper 2, Booklet P - Period Study (Superpower Relations)

- 55 Minutes.
- 32 marks.
- 28.6% of total grade.
- Need to revise: Cold War.

Paper 3 - Modern Depth Study (USA Civil Rights & Vietnam War)

- 80 Minutes.
- Section A - 16 marks & Section B - 36 marks equalling 52 marks in total.
- 42.9% of total grade.
- Need to revise civil rights and Vietnam.

BTEC INFORMATION TECHNOLOGY

- All students are currently completing Component 2 - Producing a dashboard.
- Students can continue to improve their coursework each lesson. Attendance and punctuality in lessons is crucial to maximizing their coursework grade and overall grade.
- Your son/daughter will have been informed if they are entered to re-sit the Component 3 - Effective Digital Working Practices Exam.
- IT overall grade will be calculated from the three components studied in Years 10 and 11.

GCSE (EDUQAS) SPANISH

What you need to know:

- This advance information covers Component 4 only (WRITING), though it does not provide information about the translation question
- There is no advance information for any of the other components in this qualification.

The following topics are suggested as key areas of focus for revision and final preparation. Your child's teacher will be focusing on the following topics when practising their writing skills over the next learning programme.

Foundation Tier

THEME	SUB-THEME
Identity and Culture	<ul style="list-style-type: none">• Youth culture (self and relationships, tech and social media)• Lifestyle (health and fitness, entertainment and leisure)
Local, national, international and global areas of interest	<ul style="list-style-type: none">• Home and locality (local areas of interest, transport)• Global sustainability (environment, social issues)
Current and Future study and employment	<ul style="list-style-type: none">• Current study (school life, school studies)

Higher Tier

THEME	SUB-THEME
Identity and Culture	<ul style="list-style-type: none">• Lifestyle (health and fitness, entertainment and leisure)
Local, national, international and global areas of interest	<ul style="list-style-type: none">• Spain and Spanish-speaking countries (local and regional features and characteristics; holidays and tourism)
Current and Future study and employment	<ul style="list-style-type: none">• Current study (school life, school studies)• World of work (work experience and part-time jobs, skills and personal qualities)

Please remember that all other topics will be covered in the remaining components so students should revise all areas for their listening, speaking and reading exams.

SPORT SCIENCE

CAMBRIDGE NATIONAL

- All students are currently completing 'RO42 Applying the Principles of Training' coursework.
- Students can continue to improve their coursework each lesson. Attendance and punctuality in lessons is crucial to maximizing their coursework grade and overall grade.
- Your son/daughter will have been informed if they are entered to re-sit the 'RO41 Reducing the Risk of Injury' Exam in May.
- Revision lessons for the Exam re-sit currently take place on a Monday 3-4pm.
- Sport Science overall grade will be calculated from the three units studied in Years 10 and 11.