**Y11 GCSE MOCK EXAM PREPARATION – NOVEMBER 2021**

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| **Subject** | **Topics to revise** | **Format** |
| English  | * Power and Conflict poetry: all 15 poems
* 19th Century Novel (A Christmas Carol or Jekyll and Hyde)
* Unseen Poetry
 | Paper 1: 1x P&C question (50 mins 30 marks) 1x 19C Novel question (50 mins 30 marks)Paper 2 1x Q27i (explore the ideas of one unseen poem – 40 mins, 24 marks) 1x Q27ii (compare the methods used within two unseen poems – 15 mins, 8 marks) |
| Maths |

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| **Higher Paper 1 - Non-Calculator** | **Higher Paper 2 - Calculator** |
| Box Plots | Accuracy and Bounds |
| Direct and Inverse Proportion | Area and Perimeter |
| Estimation | Averages inc Grouped Frequency Tables |
| Exact Trig Values | Bearings |
| Factorising Quadratics | Circle Theorems |
| Fractions | Combinations |
| Indices | Compound Measures |
| Percentages | Direct and Inverse Proportion |
| Properties of Polygons | Forming Equations |
| Sequences | Histograms |
| Sharing in a Ratio | Inequalities |
| Solving Linear Equations | LCM and HCF |
| Standard Form | Percentages |
| Straight Line Graphs | Pie Charts |
| Surds | Probability |
| Transformations | Sequences |
| Tree Diagrams | Similarity |
| Two-way Tables | Simultaneous Equations |
| Using Formulae | SOHCAHTOA |
| Venn Diagrams | Solving Quadratics |
| Volume | Surface Area and Volume |

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| **Foundation Paper 1 - Non-Calculator** | **Foundation Paper 2 - Calculator** |
| Angle Facts | 3D Shapes |
| Bar Charts | Algebraic Manipulation |
| Basic Proportion | Averages |
| Basic Ratio | Basic Proportion |
| Fractions, Decimal and % | Bearings |
| Direct and Inverse Proportion | Constructions  |
| Estimation | Fractions |
| Four Operations | LCM and HCF |
| Indices | Number Properties |
| Place Value | Percentages |
| Probability | Pictograms |
| Sharing in a Ratio | Probability |
| Solve Linear Equations | Properties of Shapes |
| Square Roots | Ratio |
| Standard Form | Scatter Graphs |
| Straight Line Graphs | Sequences |
| Transformations | Simultaneous Equations |
| Using Formulae | SOHCAHTO |
| Volume | Solve Linear Equations |
|   | Speed, Distance and Time |
|   | Squares and Cubes |
|   | Surface Area and Volume |
|   | Time |

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| Physics | * Forces and motion
* Energy
* Energy Calculations
* Waves
* Radioactivity
* Matter & Gases
* Electricity
 | All students will sit the appropriate exam for the course they are following:* 1 x 1hr 15mins combined Science Foundation
* 1 x 1hr 15mins Combined Science Higher
* 1 x 1hr 30mins Separate Physics
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| Chemistry | * Fundamentals
* Energy, acids, bases and salts
* The atmosphere
* Bonding, structure and the properties of matter
* Resources
* Electrolysis
* Rates and Equilibrium
* Crude Oil and hydrocarbons
 | All students will sit the appropriate exam for the course they are following:* 1 x 1hr 15mins combined Science Foundation
* 1 x 1hr 15mins Combined Science Higher
* 1 x 1hr 30mins Separate Chemistry
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| Biology | * Cells, Division and Transport
* Digestion, Circulation and Health
* Infection and Response
* Plants and Photosynthesis
* Respiration
* Homeostasis – The Nervous and Endocrine Systems
* Ecology
 | All students will sit the appropriate exam for the course they are following:* 1 x 1hr 15mins Combined Science Foundation
* 1 x 1hr 15 mins Combined Science Higher
* 1 x 1hr 30mins Separate Physics
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| History | Anglo-Saxon and Norman England* The Power of the Godwins
* The Succession Crisis
* The Battle of Hastings

The Cold War* Czechoslovakia / Prague Spring
* The collapse of Communist Authority 1985 – 1991
 | Full Anglo-Saxon and Norman England paper (4, 12, 16 markerS)Partial Cold War paper: narrative account (8 marks) and explain the importance of... (8 marks) |
| Geography | **Human Geography**Urban issues and Challenges including key case studies (Leeds or Bristol) and RioEconomic Challenges including key case studies of Nigeria and the UKResource Management – key area of Energy**Physical geography**Hazards – tectonic and weatherRivers and floodingEcosystems and rainforests | Two \* 1 hour paperPhysical geography Paper 1Human geography Paper 2To be completed consecutively |
| French | **Theme 1: Identity and culture**Me, my family and friendsFree time**Theme 2: Local, national, international and global areas of interest**Where I liveHolidays**Theme 3: Current and future study and employment**School and my studies | Written paper completed in class Higher/Foundation (45mins)Listening paper completed in exam hallHigher- 45 mins/Foundation- 35 minsReading Paper completed in exam hallHigher /Foundation (50 mins) |
| Spanish | **Theme 1: Identity and culture**Me, my family and friendsFree time**Theme 2: Local, national, international and global areas of interest**~~Where I live~~Holidays**Theme 3: Current and future study and employment**School and my studiesFuture Plans | Written paper completed in class Higher/Foundation (45mins)Listening paper completed in exam hallHigher- 45 mins/Foundation- 35 minsReading Paper completed in exam hallHigher /Foundation (50 mins) |
| Business | **Business in the real world**The purpose and nature of businessBusiness ownershipSetting business aims and objectivesStakeholdersBusiness locationBusiness planningExpanding a business**Influences on Business**TechnologyEthical and environmental considerationsThe economic climate of businessGlobalisationLegislationThe competitive environment**Marketing**Identifying and understanding customersSegmentationThe purpose and methods of market researchElements of the marketing mixUsing the marketing mix: product and pricingPromotion and distribution**Finance**Sources of FinanceCash FlowFinancial terms and calculationsAnalysing the financial performance of a business | GCSE Business Paper 2-Influences of Marketing and Finance on Business Activity1hr 45 minutes90 marksSection A has multiple choice questions and short answer questions worth 20 marks.Section B has one case study/data response stimuli with questions worth approximately 34 marks.Section C has one case study/data response stimuli with questions worth approximately 36 marks. |
| PE | Paper 2: Socio-cultural influences and well-being in physical activity and sportYear 11 Mock Exam - Nov 2021 Revision List1. Information Processing2. Guidance & Feedback3. Goal Setting4. Classification of Skills5. Mental preparation – Arousal, Aggression & Motivation6. Personality Types7. Commercialisation8. Diet / Consequences of a sedentary lifestyle9. Classifying body types10. Ethical Issues - Conduct of performers & Performance enhancing drugs11. Individual Differences / Social groups12. Qualitative and Quantitative Data | **GCSE PE – PAPER 2 - SOCIO-CULTURAL INFLUENCES AND WELL-BEING IN PHYSICAL ACTIVITY AND SPORT** |
| Media | **Component 1 Section B - SECTION B: EXPLORING MEDIA INDUSTRIES AND AUDIENCES*** **Set products – The Sun, The Archers, Fortnite and Spectre (audiences and industry only)**
* **Uses and gratifications**
* **Active and passive audiences**
* **Contexts**
* **Industry information**
* **Websites**
* **Conglomerate**
* **Vertical**
* **Production processes**
* **Codes and conventions**

**Component 2 Section A – Television: Crime Drama*** **Set products – Luther and The Sweeney**
* **Representation**
* **Use of stereotypes and archetypes (including how characters are constructed)**
* **Genre theory**
* **Todorov's narrative structure**
* **Propp’s character types**
* **Codes and conventions**
* **Intertextuality**
 | Component 1 Section B – GCSE paper, 35 minutes, 35 marksComponent 2 Section A – GCSE paper (includes an audio visual element), 50 minutes, 30 marks |
| Dance | **Section A – Knowledge and understanding of choreographic processes and performing skills**  * Hypothetical questions on choreography
* Definitions of performance skills, safety structuring devices
* **Section B Critical appreciation of own work – choreography and performance of Breath *or* Shift and trio**
* Motif and motif development, dynamics, space, relationship content, choreographic devices
* Choreographic processes
* Structuring devices
* Communication of choreographic intent
* Rehearsal process

**Section C: Critical appreciation of all professional dance works studied so far.** * Features of production (lighting, setting, costumes, props and aural setting)
* Performance environment
* Choreographic approaches
* Choreographic content
* Choreographic intent
 | All students will sit a full GCSE paper 1hr 30 min. |
| Drama | **Section A – Roles and Responsibilities****4 multiple choice** questions - revise design topic covered at the beginning of Y9 or job roles and terminologySection B – Noughts and Crosses4 questions to be answered on the set text, revise the content of the play, characters and relationships as well as question structure and exemplar responses. Use revision guides from Y10.Section C – Live TheatreRevise Metamorphosis and Only theBrave – content of specific moments, terminology, paragraph structure and exemplar responses. Use your revision guides from Y10. | Full GCSE paperRemember for Section B to turn to the correct set text – Noughts and Crosses |
| Music | All topics covered so far, including section B (Mozart Clarinet Concerto). The paper will cover all areas of study 1-4. | Full GCSE paper |
| Creative iMedia | mood boards mind maps/spider diagrams visualisation diagramsStoryboardsScriptsClient requirementsTarget audiencesPrimary & secondary sourcesHardware & softwareWork plansLegislationFile formatsReviewing process | Full R081 exam paper |
| Computer Science | Computational thinkingDesigning, creating and refining algorithmsSearching and sorting algorithmsProgramming fundamentalsData typesAdditional programming techniquesDefensive designTestingBoolean logicLanguagesThe Integrated Development Environment | Full GCSE Paper 2 |
| Design and Technology | * Metal alloys
* Composites
* System diagrams
* Commercial manufacturing
* Specialist material area
* Responsible design
* Scales of manufacture
* Investigation techniques
* Perspective drawing
* Efficient use of materials
 | Full GCSE paper – all 3 sections |
| Food Preparation and Nutrition | * Macro nutrients-
* Protein- amino acids and high and low biological values
* Carbohydrate- monosaccharides, sugars and starches
* Fat- chemical composition, hydrogenation, solid and lid fats
* Macronutrients- vitamins and minerals
* Food safety- safe food temperature, cross contamination
* Major food allergens
* Food choices- social factors, religion, culture
* Heat transfer in cooking
* Cooking methods- boiling, steaming, braising, frying, roasting, microwaving and induction
* Major foods ion the diet- milk, cheese, bread, butter, pastry
* Food packaging
* Food labelling
* The principles of healthy eating- the Eat Well Guide
* Diets for different age groups
* Organic foods and the importance of buying locally sourced food
* Fair trade food
* Food marketing
 | Full GCSE paper |
| Religious Education | **Catholic Christianity**Topic: **Church and Kingdom of God** – Pilgrimage. The work of Catholic Charities.Topic: **Creation** – Story of Creation in genesis 1 and 2. The role of God and humans in Genesis 1 and 2. The painting of the Creation of Adam and what it demonstrates about Catholic beliefs about Creation. Stewardship.Topic: **Eschatology** – The Catholic Church and beliefs about life after death. The paining of the Last Judgement by Michelangelo.Topic: **Incarnation** – Christian beliefs about Incarnation. Jesus as the Son of God, Son of Man and the IncarnationJudaismTopic: **Judaism beliefs** – God's covenant with Abraham, Jewish beliefs about life after death. Key moral principles in Judaism. Freewill and Mitzvot.Topic: **Judaism Practices** – Jewish dietary laws, Sabbath, Passover, Worship in the home and in the synagogue.Topic: **Theme A: Religion, relationships and family** – Annulment, divorce and remarriage. The nature of Catholic marriage. Bible teachings about humans as male and female. Cohabitation. The role and purpose of sexual love. | One paper containing GCSE questions for Catholic Christianity, Judaism and Theme A: Religion, Relationships and Family.You have 2 hours to complete the paper and you must attempt and answer each question. |
| Engineering | * Products analysis of materials and constructions
* Modern technologies
* Smart materials
* Engineering tools and equipment
* 3rd angle orthographic drawings
 | Full Level1/2 paper- all 3 questions |
| Health and Social Care | * **R021 Exam:**
* **LO1: The Rights of Service users:** Choice, Confidentiality, Protection from harm and abuse, Equitable and fair treatment and Consultation.
* **LO1: Providing the Rights of Service users:** Effective communication, Advocates, providing up-to-date information and complaints procedures.
* **L01: Why it is important to provide the Rights**.
* **LO2: Values of Care:** The welfare of the child is paramount, keeping children safe and healthy, working in partnership, encouraging children's learning, valuing diversity and confidentiality.
* **LO4: Health, Safety and Security in care settings:** Security features and hygiene measures.
 | One paper composed of questions covering LO1,2 and 4. I hour in length. |