



Eastbrook School

Year 11 Mock exam

November 2022

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Dear Student and Parents,

RE: Yr11 Mock exams, w/b 21st November 2022

We believe that Mock examinations help students get a 'snap-shot' of where they are right now and what they need to do to improve in time for their summer exams to achieve the best possible grade. In this booklet you will find the Yr11 Mock exam timetable as well as lists of topics to revise for individual subjects, students would have been learning these topics since Yr10. Please prepare thoroughly for the scheduled exams, these mock exams are very important to us and to all students.

We believe it is important for students to be fully equipped for learning as well also being fully equipped for all exams by having with them a pen (black ball point), pencil, sharpener, rubber and ruler. Also, students will need a protractor, calculator and compass for their Maths and Science exams and possibly for some other subjects also.

In external exams such as the year 11 GCSE exams in summer 2023, students are not allowed to have any unauthorised items in the exam room such as mobile phones, smart wrist watches or any kind of electronic device or results may be cancelled. For these internal Mock exams, prior to sitting at their examination desks, we will be asking all students to place any electronic devices in their school bag (switched off and at their own risk). As such I would recommend if possible that students do not bring any mobile phones on the day of an exam.

If you would like to discuss this further, please do not hesitate to contact the school.

Thank you for your support.

Mr A. Khan

Deputy Headteacher

Nov Yr11 Mock TT (& Yr12)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
A_Mon 21 st Nov	Combined Science – Chemistry Triple Science - Chemistry		(*12 noon start) Yr12 Option 1 CD, Sc		
A_Tue 22 nd Nov	Option 1 DT, Fr, Geo, Hi, Sp, CD, PE Cam-Nat, Food		Maths Paper 1 non-calc		
A_Wed 23 rd Nov	(form time start) Eng Lang		(*12 noon start) Yr12 Option 3 Ma		
A_Thu 24 th Nov	Option 4 So, Econ, IT, Me, PE GCSE		Combined Science – Biology Triple Science - Physics		
A_Fri 25 th Nov	Maths Paper 2 calc		Option 2 CD, Ci, Comp, DT, Fr, Ge, Sp, Hi		
B_Mon 28 th Nov	Option 3 Comp, Geo, RS				
	Option 3 Art (5hrs) S143: RLA				
B_Tue 29 th Nov	(form time start) Eng Lit		(*12 noon start) Yr12 Option 2 Em, CD		
B_Wed 30 th Nov	Yr12 Option 4 Ch, Sc				
B_Thu 1 st Dec					
B_Fri 2 nd Dec	Option 3 Photography (5hrs) S105: AN				
	Option 3 Art (5hrs) S102: MB				

Art / Photography

Please create an individual plan of action with your subject teacher, working towards meeting all AQA Assessment Objectives.

- Current Project deadline: - Monday 5th December 2022
- From Tuesday 6th December: completing all coursework
- Final Coursework Deadline (Component 1): - Friday 13th January 2023
- Externally Set Assignment issued (Component 2): - Monday 16th January 2023
- February Half term intervention: - TBC
- Easter Holiday intervention: - TBC
- Final "Exam" Dates: - 11-3a Ar & 11-3 Ph (Mr Nathan and Ms Bainbridge) Thursday 20th & Friday 21st April 2023; 11-3b Ar (Ms Lambert) Monday 24th & Tuesday 25th April 2023.

	<i>Assessment Objective 1</i>	<i>Assessment Objective 2</i>	<i>Assessment Objective 3</i>	<i>Assessment Objective 4</i>
AQA Descriptions	Develop ideas through investigations, demonstrating critical understanding of sources.	Refine work by exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes.	Record ideas, observations and insights relevant to intentions as work progresses.	Present a personal and meaningful response that realises intentions and demonstrates understanding of visual language.
	Research, Investigation & Pastiche	Personal Development, including drawing and annotations		Final PERSONAL RESPONSE
What does this mean?	DEVELOP IDEAS around the theme. RESEARCH RELEVANT Photographers. Demonstrate TECHNICAL KNOWLEDGE and ANALYTIC UNDERSTANDING.	Explore your ideas by EXPERIMENTING with different STYLES, TECHNIQUES and PROCESSES. SELECT and REFINE your images and show how you have done this with CONTACT SHEETS and ANNOTATIONS.	DESCRIBE what you are doing as you PROGRESS through WRITTEN ANNOTATIONS, DRAWINGS, DIAGRAMS and SCREENSHOTS.	PRODUCE a HIGH QUALITY FINAL and PERSONAL piece of PHOTOGRAPHY ART, MAKING CONNECTIONS between all my IDEAS, my RESEARCH and my PREPARATORY ARTWORK.

(Hospitality & Catering) Catering – Food

Commercial and non-commercial businesses.

Job roles in hospitality

Skills and attributes required.

Equipment used in the kitchen

Types of provision to meet the needs of different client groups

Training and qualifications

EHO

Food safety and legislation – food poisoning / types of bacteria

Allergies

Types of contracts

Star ratings and expected services.

Technology and how it can be used in hospitality.

Health and safety

Planning events

Risk assessment

Child Development

Types of childcare setting

Preparing for placement

Responsibilities of an Early Years Worker

Individual Needs & inclusive practice

Learning Styles and Study skills

Patterns of development

Factors affecting development

Observations

Citizenship

SECTION A: Living together in the UK

- Tolerance and respect in the community
- Magna Carta and Human Rights
- Factors affecting government's expenditure (in relation to age)
- Differences between councillors and officers in local government.
- Advantages and disadvantages of migration into the UK

SECTION B: Democracy at work in the UK

- Roles of the Speaker of the House
- Key stages of a bill becoming a law
- Ways Parliament holds the UK Government to account
- Roles of the House of Lords
- Features of General Elections in the UK
- Roles of judges in the UK
- Comparing electoral systems UK's general election v France Presidential election

SECTION C: Law and justice

- Why a prison sentence may not be the most appropriate punishment for some offenders.
- Roles which citizens play in the legal system
- Innocence upholds rights and freedoms
- Two ways in which the presumption of innocence upholds rights and freedoms
- Roles of the Tribunals
- Crime Prevention

SECTION D: Citizenship issues and debates

Devolution across Northern Ireland, Wales and Scotland

- including rights, duties, services and identities to differ for citizens across the UK.
- the constitution and government in constituent parts of the UK
- identity and the rights, duties and values that underpin democracy.

Computing

Unit 1 Systems architecture

T1 Architecture of the CPU

T3 Memory

T4 Secondary storage

Unit 2 Data representation

T1 Units and binary numbers

T2 Binary arithmetic and hexadecimal

T3 Characters

T4 Images

T5 Sound

T6 Compression

Unit 3 Networks

T1 The Internet and wide area networks

T2 Local Area Networks

T3 Wireless networking

T5 Standards Protocols and layers

Unit 4 Network security and systems software

T1 Network threats

T2 Preventing vulnerabilities

Unit 5 Impacts of digital technology

T1 Ethical and cultural issues

T3 Legislation and privacy

DT

DT list:

Thermosetting polymers
Hardwoods manufactured boards
Composite materials
Synthetic fibres and agro-textiles
Gears and gear ratios
Papers
Non-ferrous metals
Volume and area calculations
Fair trade
Surface finishes
Routing
Wood joints

English

Year 11 English Language:
no advance topic information

Year 11 English Literature:
Macbeth - the extract will be taken from the first two acts of the play
Poetry - the poem will be Charge of the Light Brigade

(GCSE) PE

Section One - Anatomy and Physiology Part I

- The Skeletal System
- The Muscular System
- Lever Systems
- Planes and Axes of Movement

Section Two - Anatomy and Physiology Part 2

- The Cardiovascular System
- The Respiratory System
- Short-Term Effects of Exercise
- Long-Term Effects of Exercise

Section Three - Physical Training

- Components of Fitness
 - Fitness Testing
 - Principles of Training
 - Training Methods
 - Warming Up and Cooling Down
 - Preventing Injuries
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Geography

Topic Name	Kerboodle Page Number
Tectonic Hazards & Chile & Nepal	8-21
Weather Hazards & Typhoon Haiyan	22-39
Climate Change	40-49
Ecosystems	52-57
Tropical Rainforests - Malaysia	58-67
Cold Environments & Svalbard	78-87
UK Physical Landscapes	90-91
Coastal Landscapes & Dorset	92-113
River Landscapes & Banbury, River Tees	114-131

History

Exam will be 1 hour and 30 mins testing a variety of skills across all the papers you will sit in June

Name:

Paper	Topics to revise	Exam skills to be tested
Paper 2 Superpower relations and the Cold War 1941-1991	<p>Key topic 1.1 Early tension between East and West</p> <ul style="list-style-type: none"> ●The Grand Alliance. The outcomes of the Tehran, Yalta and Potsdam conferences. ●The ideological differences between the superpowers and the attitudes of Stalin, Truman and Churchill. ●The impact on US-Soviet relations of the development of the atomic bomb, the Long and Novikov telegrams and the creation of Soviet satellite states in Eastern Europe. <p>Key topic 1.2 The development of the Cold War</p> <ul style="list-style-type: none"> ●The impact on US-Soviet relations of the Truman Doctrine and the Marshall Plan, 1947. ●The significance of Cominform (1947), Comecon (1949) and the formation of NATO (1949). ●Berlin: its division into zones. The Berlin Crisis (blockade and airlift) and its impact. The formation of the Federal Republic of Germany and German Democratic Republic. <p>Key topic 1.3 The Cold War intensifies</p> <ul style="list-style-type: none"> ●The significance of the arms race and the formation of the Warsaw Pact. ●Events in 1956 leading to the Hungarian Uprising, and Khrushchev's response. ●The international reaction to the Soviet invasion of Hungary. <p>Key topics 2.1-2.3 Cold War crises, 1958–70 (Berlin, Cuba, Czechoslovakia)</p> <ul style="list-style-type: none"> ●The refugee problem in Berlin, Khrushchev's Berlin ultimatum (1958), and the summit meetings of 1959–61. ●The construction of the Berlin Wall, 1961. ●Impact of the construction of the Berlin Wall on US-Soviet relations. Kennedy's visit to Berlin in 1963. ●Soviet relations with Cuba, the Cuban Revolution and the refusal of the USA to recognise Castro's government. The significance of the Bay of Pigs incident. ●The events of the Cuban Missile Crisis. 	<p>1. Consequence x2</p> <p>2. Narrative Analysis</p> <p>3. Importance x1</p>

	<ul style="list-style-type: none"> ●The consequences of the Cuban Missile Crisis: the ‘hotline’, the Limited Test Ban Treaty 1963, the Outer Space Treaty 1967, the Nuclear Non-Proliferation Treaty 1968. ●Opposition in Czechoslovakia to Soviet control: the Prague Spring. 	
Paper 3 USA at home and abroad	<p>Key Topic 3.1 Reasons for US involvement in the conflict in Vietnam, 1954-63</p> <ul style="list-style-type: none"> ● The battle of Dien Bien Phu and the end of French rule in Vietnam. ● Reasons for greater US involvement under Eisenhower, including the domino theory and weaknesses of the Diem government. ● Greater involvement under Kennedy, including the overthrow of Diem and the Strategic Hamlet Program. <p>Key Topic 3.2 Escalation of the conflict under Johnson</p> <ul style="list-style-type: none"> ● The increasing threat of the Vietcong. ● The Gulf of Tonkin incident, 1964, and increased US involvement in Vietnam. <p>Key Topic 3.3 The nature of the conflict in Vietnam, 1964-68</p> <ul style="list-style-type: none"> ● The guerrilla tactics used by the Vietcong. ● The methods used by the USA, including Search and Destroy, Operation Rolling Thunder and chemical weapons. ● The key features and significance of the Tet Offensive, 1968. 	<p>1.An inference question –</p> <p>2.An explanation question</p>
Paper2 Early Elizabethan England 1558-1588	<ol style="list-style-type: none"> 1. Elizabethan society & government, the problems Elizabeth faced on Accession 2. Elizabeth’s Religious Settlement and challenges from the Puritans and the Catholics 3. Threats at home – Revolt of the Northern Earls, the rising catholic threat; the 3 plots and Mary Queen of Scots 4. Threats from abroad – growing tension between Spain and England and short term causes of the Spanish Armada, why did the English win the Armada 	Judgment question

ICT – iMedia

1. Mood boards
2. Research Methods
3. Visualisation diagram
4. mind map
5. Intellectual property rights
6. File types
7. Work Plans
8. Storyboards

Maths

TOPIC TO REVISE FOR FOUNDATION PAPER 1

NUMBERS	ALGEBRA	SHAPES&SPACE	DATA HANDLING
Use place value	Simplify an expression	Find the difference between two lengths of time	Use a pictogram
Round to one decimal place	Interpret a distance-time graph	Word problem involving metric mass conversion	List the possible outcomes
Multiply by 100	Solve a one-step equation then use substitution	Calculate the size of an angle	Complete a frequency tree
Simplify a fraction	Write down an inequality	Plot a given point	Use a frequency tree
Write a percentage as a decimal	Simplify an expression involving indices	Work out the coordinates of the midpoint of a given line	Interpret pie charts
Word problem involving money		Construct a perpendicular line	Word problem involving means
Use an approximation		Calculate the size of an angle	
Find the LCM		Scale drawing problem and bearings	
Word problem involving ratio		Problem involving finding the size of an unknown angle	
Multiply mixed numbers		Area of parts of circle	
Long multiplication			

TOPIC TO REVISE FOR HIGHER PAPER 1

NUMBERS	ALGEBRA	SHAPES&SPACE	DATA HANDLING
Find the LCM of two numbers	Simplify an expression involving indices	Construct a perpendicular line	Word problem involving means
Word problem involving ratio	Change the subject of formula	Calculate the size of an angle	cumulative frequency graph
Multiply mixed numbers	Add two algebraic fractions	Scale drawing problem and bearings	Probability word problem
Write a recurring fraction as a decimal	factorise an expression	Speed, distance, time problem	
Rationalise the denominator of an expression	Problem involving algebra and the area of a 2D shape	Convert km/h to m/s	
	Estimate solutions from quadratic graph	Problem involving similarity and volume	
	Solve simultaneous equation graphically		
	Solve an equation involving indices		
	Simplify algebraic fractions		
	Solve quadratic inequalities		
	Factorise expressions		
	Expand expressions		

TOPIC TO REVISE FOR FOUNDATION PAPER 2

NUMBERS	ALGEBRA	SHAPES&SPACE	DATA HANDLING
Order integers	time	Enlarge a shape	probability of an event occurring
Round to the nearest thousand	Use a conversion graph	Use scale factor	Averages
Write a decimal as a percentage	Using formulae	Find the size of an unknown angle	Identify errors in a frequency polygon
square root of a decimal number	Identify an identity	surface area and volume of a cube and cuboid	Use a stratified sample
Powers	Match a graph to an equation	Problem involving circles and area	
Word problem involving money	Proof involving sequences		
fraction of an amount	substitution and rearranging an equation		
Midpoint of two fractions			
Word problem involving money			
simple interest			
Use a recipe			
Use estimation			
Calculate an error interval			
Word problem involving ratio			
standard form			

TOPIC TO REVISE FOR HIGHER PAPER 2

NUMBERS	ALGEBRA	SHAPES&SPACE	DATA HANDLING
Compound interest	Algebraic fraction	angles on parallel lines	Venn diagram
Write number in standard form	Sketch exponential graph	Solve area/money problem	scatter graph
standard form	Interpret equation of a circle	Find missing value given gradient	Solve tree diagram type probability problem
Truncation error interval	Solve algebraic ratio problem	Describe single transformation	Interpret probability to frequency
Solve ratio, percentage profit problem	Solve simultaneous equation graphically	Solve 2D shape perimeter problem	Histograms
Find number of combinations	Solve inequality	Solve frustum, hemisphere density problem	Pie chart

Media

Media Paper 2

Section A

- Dr Who: An Unearthly Child (42 marks)

Section B

- Newspapers: Broadsheets and Tabloids (42 marks)

MFL (French & Spanish)

Paper – French Mock 1 – Nov 2022	Advanced Topics
Paper 4 – Writing (in the Hall)	<ul style="list-style-type: none">• Friendship and family• Town, region and country - Living abroad.• Holidays• Education
Paper 1- Listening and understanding (in the classroom)	Family-Leisure activities-celebrations- Local area-holidays-School-work.
Paper 3- Reading and understanding (in the classroom)	

Paper – Spanish Mock 1 – Nov 2022	Advanced Topics
Paper 4 – Writing (in the Hall)	<ul style="list-style-type: none">• Food• Television and Technologies• Holidays• School
Paper 1- Listening and understanding (in the classroom)	Family-Leisure activities-celebrations- Local area-holidays-School-work
Paper 3- Reading and understanding (in the classroom)	

Religious Studies

RS - Theme A,B, D, E (Paper 2 Thematic Studies)

Science

Combined Science – Biology – B1, B2 & B3

Statements showing ***bold and italics*** will only be tested in the higher paper

B1 – Cell Level systems	B2 Scaling Up	B3 Organisms – level systems
Cell structures		Nervous system
Plant and animal cells		The endocrine system
Bacterial cells	Supplying the cell	Menstrual cycle
Microscopy	Diffusion	<i>Role of thyroxine and adrenaline</i>
What happens in cells	Osmosis	<i>How hormones interact in the menstrual cycle</i>
DNA	Active transport	<i>explain the use of hormones in modern reproductive technologies to treat infertility</i>
Enzymes and Enzyme reactions	Mitosis	Maintaining internal environments
Respiration	Stem cells	Role of insulin in maintaining blood glucose levels
Carbohydrates, lipids and proteins	The challenges of size	Type 1 and type 2 diabetes
Aerobic respiration	Exchange and Transport	<i>How glucagon interacts with insulin.</i>
Anaerobic respiration	Circulatory system	
Photosynthesis	Plant transport systems	
Factors affecting photosynthesis	Transpiration	
<i>Explain the interaction of temperature, light intensity and carbon dioxide concentration in limiting the rate of photosynthesis</i>	PAG	
PAG		

Combined Science – Chemistry – C1, C2 & C3

Statements showing ***bold and italics*** will only be tested in the higher paper

C1 Particles	C2 Elements, Compounds and Mixtures	C3 Chemical Reactions
The particle model		Introducing chemical reactions
Chemical and physical changes	Purity and separating mixtures	Formulae Chemical equations
<i>Limitations of particle</i> model	Relative formula mass	<i>Half equations and ionic equations</i>
Atomic structure	Empirical formula	<i>Mole Calculations</i> Energetics
Isotopes	Filtration and crystallization	Exothermic and Endothermic reactions
Developing the atomic model	Distillation	<i>Calculating energy changes</i>
	chromatography	Types of chemical reactions
	Bonding	<i>Redox reactions</i>
	Metals and non-metals	Neutralisation
	Ionic compounds	Reactions of acids
	Giant covalent structures	<i>Recall that as hydrogen ion concentration increases by a factor of ten the pH value of a solution decreases by a factor of one</i>
	Developing the periodic table	Electrolysis
	Properties of materials	PAG
	Graphite and diamond	
	Bulk properties of materials	
	Nanoparticles	
	PAG	

Triple Science – Chemistry – C1, C2 & C3

C1 Particles	C2 Elements, Compounds and Mixtures	C3 Chemical Reactions
The particle model		
Chemical and physical changes	Purity and separating mixtures	Introducing chemical reactions
Limitations of particle model	Relative formula mass	Writing Formulae
Atomic structure	Empirical formula	Chemical equations
Isotopes	Filtration and crystallisation	Half equations and ionic equations
Developing the atomic model	Distillation	Mole Calculations
	chromatography	Energetics
	Bonding	Exothermic and Endothermic reactions
	Metals and non-metals	Calculating energy changes
	Ionic compounds	Types of chemical reactions
	Giant covalent structures	Redox reactions
	Developing the periodic table	Neutralisation
	Properties of materials	Reactions of acids
	Graphite and diamond	Electrolysis
	Bulk properties of materials	Electroplating
	Nanoparticles	PAG
	PAG	

Triple Science – Physics – P1, P2, P3 & P4

P1 Matter	P2 Forces	P3 Electricity	P4 magnetism and magnetic fields
<p>The particle model</p> <p>Model of the atom</p> <p>Changes of state</p> <p>Density</p> <p>Specific heat capacity</p> <p>Specific latent heat</p> <p>Pressure</p> <p>Gas pressure and temperature</p> <p>Pressure and volume</p> <p>Liquid pressure</p> <p>Floating and sinking</p> <p>PAG</p>	<p>Motion</p> <p>Speed</p> <p>Acceleration</p> <p>Distance – time graphs</p> <p>Velocity-time graphs</p> <p>Kinetic energy</p> <p>Newton’s laws</p> <p>Forces</p> <p>Free body diagrams</p> <p>Momentum</p> <p>Work and power</p> <p>Forces in action</p> <p>Stretching springs</p> <p>GPE</p> <p>Turning forces</p> <p>Hydraulics</p> <p>PAG</p>	<p>Static and charge</p> <p>Electrostatics</p> <p>Electric current</p> <p>Simple circuits</p> <p>Series and parallel circuits</p> <p>Resistance</p> <p>I-V graphs</p> <p>LDRs and thermistors</p> <p>Sensing circuits</p> <p>Electrical power</p> <p>PAG</p>	<p>Magnets and magnetic fields</p> <p>Current and fields</p> <p>Uses of magnetism</p> <p>Motors</p> <p>Electromagnetic induction</p> <p>Generators</p> <p>Transformers</p> <p>Microphones and loudspeakers</p> <p>PAG</p>

Sociology

Processes of Socialisation

- Manipulation; Canalisation; Modelling; Social activities etc
- Link processes to context including identities; gender socialisation; ethnic identities; national identities
- Social control (ways of maintaining & reasons for)

Family

- Types of
- Feminist views
- Reasons for increase in cohabitation
- Reasons for increase in divorce

Education

- Hidden curriculum
- Anti-school subculture and achievement
- Factors affecting achievement

Research Methods

- Advantages and Disadvantages of questionnaires; structured & Unstructured interviews
- Practical; Ethical & Theoretical issues affecting a research method

-