The Heys School

Year 11 Revison Booklet

The Rowan Learning Trust

Maximise our potential, to be the best we can be, everyday

THE S.M.A.R.T SYSTEM

FOR ANSWERING EXAM QUESTIONS

S.M.A.R.T

S CAN AND CIRCLE THE QUESTION

M AIN INFORMATION - UNDERLINE KEY FACTS AND INFORMATION

A NSWER CAREFULLY - WORK THROUGH EACH LINE OF THE QUESTION

R EVIEW - CHECK YOUR RESPONSE MAKES SENSE

T ICK IT OFF - HAVE YOU DONE WHAT THE QUESTION ASKED?

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'Maximising Potential for All'

Assessment and revision information

Core Subjects

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English Language

AQA

Paper 1

Explorations in Creative Reading and Writing (Fiction)
1 hour 45 minutes

Questions:

- Q1 Comprehension [4 marks]
  - 4 multiple choice questions
- Q2 Language Analysis [8 marks]
  - Write 2 paragraphs about how the writer uses language to create a deliberate effect
- Q3 Structural Analysis [8 marks]
  - Write 2 paragraphs about how the writer uses structure to create a deliberate effect
- Q4 Evaluative response [20 marks]
  - Write 3 to 4 argument paragraphs to explain your views on the text and how the writer influenced you

- Q5 Descriptive/Narrative Writing [40 marks]
  - Write a description from your imagination, using a picture for ideas
  - Write the opening of a story

Top Tips:

- Read the extract material first.
- You **must** answer Q4 and Q5
- For Q5, craft your sentences for effect – quality over quantity

Paper 2

Writers' Viewpoints and Perspectives (Non-Fiction)
1 hour 45 minutes

Questions:

- Q1 Comprehension [4 marks]
  - Select 4 true statements
- Q2 Inference from 2 texts [8 marks]
  - Check the focus of the question carefully
  - Use a range of "evidence" and explain what it reveals
  - Write about both Sources equally
- Q3 Language Analysis [12 marks]
  - Write 2 paragraphs about how the writer uses structure to create a deliberate effect
- Q4 Compare Writers' Views [16 marks]
  - Compare what the two writers think about a subject and comment on how they present their opinions

- Q5 Writing to Give Your Views [40 marks]
  - You could be asked to write an: article, letter, speech or essay
  - Use the 5-part plan
  - Engage your readers using a range of rhetorical devices (YCAFOREST)

Top Tips:

- Read the extract material first.
- You **must** answer Q3, Q4 and Q5
- Complete the writing task first

Recommended revision materials

YouTube

CGP Workbook

Past Papers

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English Literature

AQA

Paper 1

Shakespeare and 19th Century Novel
1 hour 45 minutes

Section A - Macbeth

- Write an essay to respond to the question
- You need to write about the given extract and the rest of the play
- Essay topics could include: Macbeth's presentation; Lady Macbeth's presentation; Ambition, Kingship, Violence, The Supernatural, Role of Women, Heroism, Appearance vs Reality, Relationships in the play

Section B – A Christmas Carol

- Write an essay to respond to the question
- You need to write about the given extract and the rest of the play
- Essay topics could include: Scrooge's Transformation, Redemption, Christmas Spirit, Poverty, Victorian Attitudes, Role of the Ghosts, Relationships in the novel)

Top Tips:

- Start essays with a thesis statement that you try to prove
- Always link ideas to the writer's wider intentions for the focus in the question
- Spend an equal amount of time on each question.

Paper 2

Modern Texts and Poetry
2 hours 15 minutes

Section A – An Inspector Calls

- Pick 1 essay question to answer
- Essay topics could include: Characters who change (e.g Sheila/Eric); Role of women; attitudes to responsibility; differences in generations; how Priestley uses characters to present his own political views

Section B – Power and Conflict Poetry

- Compare the poem given with 1 of your choice from the anthology
- Compare at least one major similarity and one major difference
- Compare the writers' intentions and influences
- Essay topics could include: use of power; power of nature; conflict; how conflict affects people; how people are affected by difficult experiences

Section C – Unseen Poetry

- Answer both questions
- Q1 – Explore how a poet presents their ideas/speaker's feelings on a given topic
- Q2 – Compare the methods the poets use to present their ideas

Top Tips:

- Give yourself 45 minutes for each section
- Always focus your essays on the key words in the question

Recommended revision materials

YouTube

CGP Guides and Workbooks

Past Papers

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Mathematics

edexcel

Numbers
- Types of numbers
- Place value
- Addition and subtraction
- BIDMAS/BODMAS
- Decimals
- Long division
- Long multiplication
- Prime factors LCM, HCF
- Fractions
- Fractions, Decimals and Percentages
- Rounding numbers
- Ordering numbers
- Fractions and recurring decimals (H)
- Time
- Estimating
- Estimating square roots (H)
- Error interval
- Upper and lower bounds (H)
- Standard form
- Calculating tips

Graphs
- Gradients of straight line graphs
- y = mx + c
- Coordinates
- Coordinates and ratios (H)
- Drawing straight line graphs
- Parallel lines
- Perpendicular lines (H)
- Quadratic, cubic graphs and reciprocal graphs
- Exponential graphs (H)
- Turning points of quadratic graphs
- Circle graphs and tangents (H)
- Sin Cos and Tan graphs (H)
- Solving simultaneous equations with graphs (linear)
- Solving simultaneous equations with graphs (non-linear) (H)
- Graph transformations (H)
- Distance-time graphs
- Velocity-time graphs (H)
- Real-life graphs
- Area under a graph (H)
- Line graphs

Ratio
- Ratio
- Direct and inverse proportion
- Percentages
- Reverse percentages
- Money
- Compound growth and decay
- Units and conversions
- Conversation graphs
- Best buys
- Density Mass Volume
- Speed Distance Time
- Pressure Force Area

SPARX Maths

Exams
- Paper 1 – Non-calculator –1 hour 30 minutes
- Paper 2 – Calculator - 1 hour 30 minutes
- Paper 3 – Calculator – 1 hour 30 minutes

Statistics
- Type of data
- Mean, median, mode and range
- Data sampling
- Pictographs
- Capture-recapture (H)
- Stem and leaf
- Frequency tables
- Grouped frequency tables
- Estimating the mean
- Box plots (H)
- Cumulative frequency (H)
- Histograms (H)
- Frequency polygon
- Bar Graphs
- Scatter graphs
- Pie charts

Trigonometry
- Pythagoras
- Trigonometry
- Trigonometry common values
- Sine rule (H)
- Cosine rule (H)
- 3D Pythagoras and trigonometry (H)
- Column vectors
- Vectors (H)

Geometry
- Angles
- Geometry problems
- Corresponding angles and alternate angles
- 2D shapes and quadrilaterals
- Interior and exterior angles
- Symmetry
- Area of shapes
- Circles
- Perimeter
- Circle theorems (H)
- Circle sector, segments and arcs
- Congruent shapes
- Similar shapes
- Similar shapes (area and volume) (H)
- Transformations
- Negative enlargements (H)
- Combinations of transformations (H)
- Invariant points (H)
- 3D shapes, faces, edges and vertices
- Volume of 3D shapes
- Surface area of 3D shapes
- Frustums (H)
- Projections, plans and elevations
- Scale drawings
- Loci and constructions
- Bearings

Algebra
- Collecting like term
- Powers and roots
- Rules of indices (Negative powers)
- Rules of indices (Fraction powers) (H)
- Expanding single/double brackets
- Expanding triple brackets (H)
- Factorising into single brackets
- Surds (H)
- Surds – Rationalise and harder surds (H)
- Forming expressions, equations and formulae
- Solving equations
- Substitution
- Rearranging formulas
- Rearranging formulae (subject appears twice) (H)
- Factorising quadratics a=1
- Factorising quadratics (a bigger than 1) (H)
- Solving quadratics by factorising
- Solving quadratics by factorising (a greater than 1) (H)
- The quadratic formula (H)
- The difference of two squares (H)
- Completing the square (A=1) (H)
- Completing the square (a>1) (H)
- Algebraic fractions (H)
- Sequences and Nth term
- Geometric sequences (H)
- Quadratic sequences (H)
- Inequalities on a number line
- Solving inequalities
- Quadratic inequalities (H)
- Graphical inequalities (H)
- Iterative methods (H)
- Simultaneous equations (linear)
- Simultaneous equations (non-linear) (H)
- Proof – Basics
- Proof – Harder (H)
- Function machines
- Functions (H)
- Functions (Composite and inverse) (H)
- GCSE Maths equations

Probability
- Probability and listing outcomes
- Product rule (H)
- Frequency trees
- Probability and tree diagrams
- Probability and tree diagrams (Conditional probability) (H)
- Two-way tables
- Two-way tables (Conditional probability) (H)
- Relative frequency
- Venn diagrams
- Set notation
- Set notation for inequalities (H)

Maths Genie

GCSE Combined Science: Trilogy

Biology Paper 1 – 1 hour 15 minutes

- **Cell biology**
  - Prokaryotic Vs eukaryotic cells
  - Microscopy and magnification
  - Cell division (mitosis)
  - Stem cells
- **Organisation**
  - Enzymes (lock and key, factors affecting rate)
  - Human digestive system
  - Heart and circulatory system
  - Health, lifestyle and disease
- **Infection and response**
  - Pathogens
  - Immune system
  - Vaccination
  - Antibiotic and resistance
- **Bioenergetics**
  - Photosynthesis and rates affecting photosynthesis
  - Aerobic Vs Anaerobic respiration

Chemistry Paper 1 – 1 hour 15 minutes

- **Atomic structure and the periodic table**
  - Atomic structure
  - Periodic table trends
  - Group 1, 7 and 0 properties
- **Bonding, structure and the properties of matter**
  - Ionic, covalent, metallic bonding
  - Small molecules Vs polymers Vs giant structures
- **Quantitative chemistry**
  - Conservation of mass
  - Moles and equations
- **Chemical changes and energy changes**
  - Acids, bases and neutralisation
  - Electrolysis basics
  - Exothermic Vs endothermic
  - Reaction profiles

Physics Paper 1 – 1 hour 15 minutes

- **Energy**
  - Energy stores and transfers
  - Efficiency calculations
- **Electricity**
  - Circuits: series and parallel
  - Current, potential difference and resistance
  - Power equations
- **Particle model of matter**
  - States of matter
  - Changes of state
  - Density
- **Atomic structure**
  - Discovery of the structure of the atom
  - Radioactivity (alpha, beta and gamma)
  - Half-life

Biology Paper 2 - 1 hour 15 minutes

- **Homeostasis and response**
  - Nervous system and reflex arc
  - Hormones (endocrine system)
  - Blood glucose control
- **Inheritance, variation and evolution**
  - DNA and genetics
  - Punnett squares
  - Evolution and natural selection
- **Ecology**
  - Ecosystems
  - Food chains, webs and pyramids
  - Carbon and water cycle

Chemistry Paper 2 – 1 hour 15 minutes

- **The rate and extent of chemical changes**
  - Factors affecting rates of reaction
  - Catalysts
  - Reversible reactions
- **Organic chemistry**
  - Pure substances, mixtures and formulations
  - Crude oil
  - Alkanes
  - Combustion
- **Chemical analysis**
  - Chromatography basics
  - Simple gas tests
- **Chemistry of the atmosphere**
  - Composition of the modern atmosphere
  - Climate change
- **Using resources**
  - Portable water
  - Life cycle assessment

Physics Paper 2 – 1 hour 15 minutes

- **Forces**
  - Speed and acceleration
  - Newtons Laws
  - Graphs of motion
  - Terminal velocity
  - Resultant forces
- **Waves**
  - Transverse Vs Longitudinal
  - Wave speed equation
  - Basics of the electromagnetic spectrum
- **Magnetism and electromagnetism**
  - Magnetic fields
  - Magnetic fields of electric current
  - The motor and generator effect (HT)

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Biology GCSE

AQA

Biology Paper 1 – 1 hour 45 minutes

- **Cell biology**
  - The microscope and magnification
  - Animal and plant cells
  - Making microscope slides
  - Specialised cells
  - Diffusion
  - Osmosis
  - Active transport
  - Cell division (mitosis)
  - Binary fusion
  - Stem cells

- **Organisation**
  - Tissue and organs
  - Human digestive system
  - The chemistry of food
  - Enzymes (lock and key, factors affecting rate)
  - The blood
  - Heart and circulatory system
  - Health, lifestyle and disease (Stents Vs Statins)
  - Breathing and gas exchange
  - Transport system in plants
  - Evaporation and transpiration
  - Factors affecting transpiration

- **Infection and response**
  - Pathogens (viral, bacterial, fungi and protists)
  - Growing and preventing bacteria in a lab
  - Immune system
  - Plant diseases and plant immune defence
  - Vaccination
  - Antibiotic and resistance
  - Discovering and developing drugs
  - Monocional antibodies

- **Bioenergetics**
  - Photosynthesis
  - Limiting factors
  - Rates of photosynthesis
  - How plants make glucose
  - Aerobic respiration
  - Response to exercise
  - anaerobic respiration
  - Metabolism and the liver

Biology Paper 2 – 1 hour 45 minutes

- **Homeostasis and response**
  - Nervous system and reflex arc
  - Synapse
  - The brain
  - The eye and eye problems
  - Hormones (endocrine system)
  - Blood glucose control
  - Treating diabetes
  - Human reproduction
  - Hormones and the menstrual cycle
  - Fertility and treating fertility
  - Plant hormones
  - Germination
  - Controlling body temperature
  - Removing body waste
  - The human kidney and transplants
  - Dialysis
- **Inheritance, variation and evolution**
  - Types of reproduction
  - Cell division in sexual reproduction
  - Extracting DNA
  - The genome
  - DNA structure
  - Inheritance and inherited disorders
  - Punnett squares
  - Evolution and natural selection
  - Selective breeding
  - Genetic engineering
  - Cloning
  - Accepting Darwins ideas
  - Evidence of evolution
  - Extinction
  - Classification and new systems of classification
- **Ecology**
  - Ecosystems
  - Communities
  - Adaptations of plants and animals
  - Food chains, webs and pyramids
  - Carbon and water cycle
  - Rates of decomposition
  - Land, water and air pollution
  - Deforestation
  - Peet bogs
  - Global warming
  - Maintaining biodiversity
  - Trophic levels and biomass
  - Factors affecting food security
  - Sustainable food production

Chemistry GCSE

AQA

Chemistry Paper 1 – 1 hour 45 minutes

- **Atomic structure and the periodic table**
  - Atoms, compound and mixtures
  - Separating mixtures
  - Chromatography
  - Filtration
  - Crystallisation
  - History of the atomic structure
  - Atomic structure
  - Electronic configuration
  - Atoms, ions and isotopes
  - Periodic table trends
  - Group 1, 7 and 0 properties
  - Transition elements

- **Bonding, structure and the properties of matter**
  - States of matter
  - Ionic, covalent, metallic bonding
  - Structures of small molecules Vs Giant structures
  - Fullerenes and graphene
  - Nanoparticles

- **Quantitative chemistry**
  - Conservation of mass
  - Relative atomic mass
  - Moles and equations
  - Balancing equations
  - Yield of chemical reactions
  - Atom economy
  - Concentration
  - Titrations and titration calculations
  - Volume of gases

- **Chemical changes and energy changes**
  - Reactivity series
  - Displacement reactions
  - Extracting metals
  - Salts from metals
  - Insoluble bases
  - Neutralisation and the pH scale
  - Electrolysis
  - Exothermic Vs endothermic
  - Reaction profiles
  - Bond energy calculations
  - Chemical cells, batteries and fuel cells

Chemistry Paper 2 – 1 hour 45 minutes

- **The rate and extent of chemical changes**
  - Rates of reaction
  - Factors affecting rates of reaction (surface area, temperature and concentration)
  - Catalysts
  - Reversible reactions

- **Organic chemistry**
  - Hydrocarbons and cracking hydrocarbons
  - Fractional distillation
  - Pure substances, mixtures and formulations
  - Crude oil
  - Alkanes
  - Structure of alcohols, carboxylic acid and esters
  - Additional polymerisation
  - Condensation polymerisation
  - Polymers
  - DNA

- **Chemical analysis**
  - Pure substances and mixtures
  - Chromatography
  - Simple gas tests
  - Testing for positive and negative ions
  - Instrumental analysis

- **Chemistry of the atmosphere**
  - Composition of the modern atmosphere
  - History of the atmosphere
  - Greenhouse gases
  - Climate change
  - Atmospheric pollution

- **Using resources**
  - Finite and renewable resources
  - Extracting metals from ores
  - Portable water
  - Life cycle assessment
  - Rusting
  - Alloys
  - Glass, ceramic, and composites
  - Haber process
  - Making fertiliser

Physics GCSE

AQA

Physics Paper 1 – 1 hour 45 minutes

- **Energy**
  - Energy stores and conservation of energy
  - Energy and work done
  - Gravitational potential energy
  - Kinetic energy
  - Elastic potential energy
  - Efficiency
  - Electrical appliances
  - Energy and power calculations
  - Energy transfer by conduction
  - Insulating materials
  - Specific heat capacity
  - Energy from the wind, sun, water, and earth
- **Electricity**
  - Electrical charge and fields
  - Circuits: series and parallel
  - Current, potential difference and resistance
  - AC Vs DC
  - Cables and plugs
  - Appliances and efficiency
- **Particle model of matter**
  - States of matter
  - Changes of state
  - Internal energy of particles
  - Density of regular and irregular shaped objects
  - Specific latent heat
  - Gas pressure, temperature and volume
- **Atomic structure**
  - Discovery of the structure of the atom
  - Radioactivity (alpha, beta and gamma)
  - Activity and half-life
  - Nuclear radiation in medicine
  - Nuclear fission and fusion

Physics Paper 2 – 1 hour 45 minutes

- **Forces**
  - Vectors Vs Scalars
  - Contact and non-contact forces
  - Resultant forces
  - Centre of mass
  - Moments
  - Levers and gears
  - Parallelogram of forces
  - Resolution of forces
  - Forces and elasticity
  - Weight and gravity
  - Speed and acceleration
  - Newtons Laws
  - Graphs of motion
  - Terminal velocity
  - Forces and braking
  - Momentum
  - Impact forces
  - Pressure, surfaces and atmospheric pressure
  - Pressure in a liquid at rest
  - Upthrust and flotation
- **Waves**
  - Transverse Vs Longitudinal
  - Reflection
  - Refraction
  - Sound waves
  - Ultrasound
  - Seismic waves
  - Electromagnetic spectrum
  - Light and colour
  - Lenses and using lenses
- **Magnetism and electromagnetism**
  - Magnetic fields
  - Magnetic fields of electric current
  - Electromagnets in devices
  - The motor and generator effect
  - Transformers
- **Space**
  - Formation of the solar system
  - The life history of a star
  - Planets, satellites and orbits
  - The Big Bang Theory
  - Red shift

Assessment and revision information

Option Subjects

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Art and Design

The GCSE grade in Art and Design is 60% coursework and 40% exam.

Coursework is in the form of their portfolio which has been worked on since the start of year 10

Exam is the “externally set assignment” that was issued at the start of January.

Both components use the same 4 assessment objectives below.

AO1: Develop ideas through investigations
Students should demonstrate critical understanding of sources and develop their ideas through thorough investigations. This involves exploring various influences and contexts that inform their work.

AO2: Refine work by exploring ideas
This objective emphasizes the importance of selecting and experimenting with appropriate media, materials, techniques, and processes. Students are encouraged to refine their work based on exploration and experimentation.

AO3: Record ideas, observations, and insights
Students must record their ideas and observations relevant to their intentions as their work progresses. This includes documenting the creative process and reflecting on their artistic journey.

AO4: Present a personal and meaningful response
The final objective focuses on the presentation of a personal response that realizes the student's intentions and demonstrates an understanding of visual language. This includes the ability to convey meaning and express ideas effectively through their artwork.

Students are currently working on the development of their ideas on the starting point that they have selected, through researching Artists, taking their own photos, doing their own drawings, experimenting and exploring different media and techniques, and developing ideas for their own personal response.

The externally set assignment will conclude with 10 hours of supervised time on Thursday 23rd and Friday 24th April 2026.

Business Studies

edexcel

Paper 1: Investigating Small Business
1 hour 45 minutes

Topic 1: Enterprise and Entrepreneurship
- Enterprise

Topic 2: Spotting a Business Opportunity
- Competition
- Introduction to Market Research
- Types of Market Research
- Using Market Research
- Market Segmentation

Topic 3: Putting a Business Idea into Practice
- Aims and Objectives
- Revenue, Cost and Profit
- Break-Even Analysis
- Cash Flow
- Cash Flow- Credit
- Sources of Finance (Small Business)

Topic 4: Making a Business Effective
- Business Ownership Structures
- Business Location
- The Marketing Mix
- Business Plans

Topic 5: Understanding External Influences on Business
- Stakeholders
- Technology and Business
- Employment and the Law
- Unemployment and Government Taxes
- Inflation and Consumer Income
- Interest Rates
- Exchange Rates

Paper 2: Building a Business
1 hour 45 minutes

Topic 1: Growing a Business
- Business Growth
- Sources of Finance (Large Businesses)
- Changes in Business Aims and Objectives
- Globalisation
- Ethical Considerations
- Environmental Influences

Topic 2: Making Marketing Decisions
- The Marketing Mix and Design Mix
- Product Life Cycle
- Extension Strategies
- Price
- Price Strategies
- Methods of Promotion
- Place

Topic 3: Making Operational Decisions
- Methods of Production
- Managing Stock
- Working with Suppliers
- Quality
- The Sales Process

Topic 4: Making Financial Decisions
- Business Calculations
- Business Data and Performance

Topic 5: Making Human Resources Decisions
- Internal Organisational Structures
- Communication
- Ways of Working
- Recruitment
- Training and Development
- Motivation

Creative Media Production

Pearson

Coursework

Component 1 – Completed
Component 2 – Completed

C1/C2 resubmission deadline Friday 8th May 2026.

Component 3 Exam - Media lessons between **Wednesday 18th March and Friday 1st May.**

The brief has been released for Component 3 and shared with students. The brief is based on raising awareness of the use of counselling or talking therapies to support young people with their mental health.
Component 3 - Deadline 5th May.

Structure of exam
Independent research period based on the brief.

Task 1
- **Part A** – Ideas Log
- **Part B** – Planning Material - **5 hours**

Task 2 – Creating Media Product and Review - **5 hours**

Topics in each exam

Students create a Media product from the Print Media or Moving Image sector which raises awareness of the use of counselling or talking therapies to support young people with their mental health.

Recommended revision guide/materials
Resources to support students for all components can be found on

Tips for the subject
Ensure you research the brief thoroughly.
- Ensure you understand the typical conventions for your chosen sector.
- Plan your media product thoroughly before starting the exam.
- Make sure all assets (photos, articles etc) are prepared before the exam.

Computer Science

OCR
Oxford Cambridge and RSA

Paper 1: Computer Systems
1 hour 30 minutes

Components of a Computer System
- The CPU
- Memory
- CPU and its performance
- Secondary Storage
- Systems Software (OS)
- Systems Software (Utilities)
- Open and Proprietary Software

Networks
- LAN's and WAN's
- Hardware
- Client server and P2P
- Network Topologies
- Network Protocols
- The Internet
- Security Threats

Issues
- Ethical and Cultural Issues
- Environmental Issues
- Computer Legislation

Paper 2: Computational Thinking, Algorithms and Programming
1 hour 30 minutes

Algorithms
- Computational Thinking
- Writing Algorithms through Pseudocode and Flow Diagrams
- Search Algorithms
- Sorting Algorithms

Programming
- Programming Basics – Data types
- Programming basics – Operators
- Constants and Variables
- Strings
- Program Flow
- Boolean Operators
- Arrays
- File Handling
- Storing Data
- Searching Data
- Sub Programs

Design, Testing and IDE's
- Defensive Design
- Testing
- Translators
- Integrated Development Environments

Data Representation
- Logic and Units
- Binary, Hexadecimal Numbers
- Characters
- Images and Sound
- Compression

Drama

eduqas Part of WJEC

Deadlines for Components

Component 1

Devised performance - completed
Evaluation - completed
Portfolio deadline - Friday 13th March

Component 2

Scripted performance - Friday 20th March

Component 3

Interpreting Theatre written exam - Friday 8th May PM (TBC) 1 hour 30 minutes

Topics in exam

Set Text: An Inspector Calls

Live Theatre Review: Great British Bake Off The Musical

Revision:

Questions could be about acting or design elements

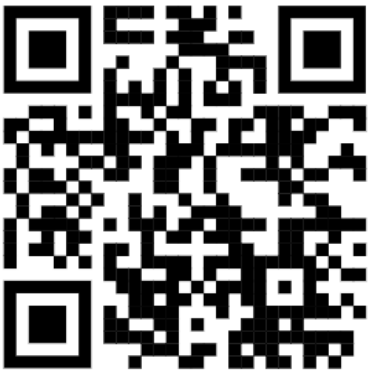
Revise:

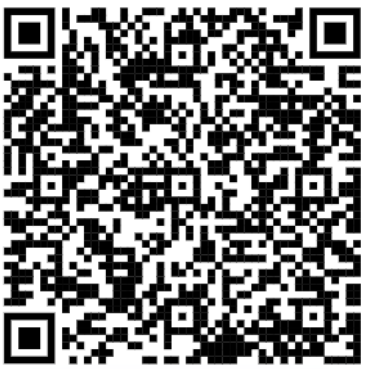
- Physical Skills
- Vocal Skills
- Set Design
- Costume Design
- Lighting Design
- Sound Design

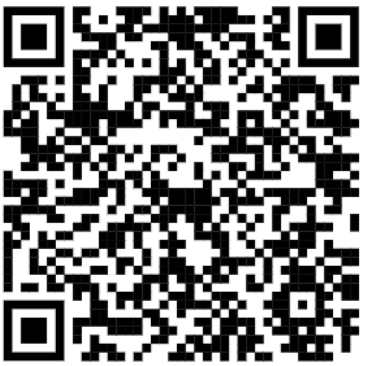
Tips for the subject

Learn your lines for your scripted performance early, don't leave it until the last minute.

Ensure you know the set text inside out.







Design Technology

Unit 1 – Exam – 2 hours
Unit 2 – Coursework

Component	Maximum raw mark	Maximum scaled mark
Paper 1	100	100
NEA	100	100
Total scaled mark:		200

Unit 1

Section A - Core Technical Principles

These apply to all material areas and include a broad foundation of knowledge such as:

- New and emerging technologies
- Energy generation and storage
- Developments in modern and smart materials
- Systems approach to designing
- Mechanical devices (forces, stresses, levers, gears)
- Material categories & properties (papers, boards, timbers, polymers, textiles, metals)

Section B - Specialist Technical Principles

Students study one material area in depth (e.g., timbers, metals, textiles, polymers, electronic systems, papers).

- These principles include:
- Selecting materials based on working & physical properties
- Understanding forces, stresses, enhancements
- Using specialist tools, machinery, processes and techniques
- Scales of production
- Accuracy, tolerances, jigs, templates

Section C - Designing and Making Principles

These cover creativity, designing and practical application:

- User-centred design
- Design strategies (iteration, modelling, collaboration)
- The design process: investigation → specification → ideas → development → modelling → final prototype
- Communicating ideas (2D/3D sketching, orthographic drawing, CAD)
- Planning & manufacturing a prototype
- Evaluating against the specification

Unit 2 – Coursework

Students' work should consist of an investigation into a contextual challenge, defining the needs and wants of the user and include relevant research to produce a design brief and specification.

Students should generate design ideas with flair and creativity and develop these to create a final design solution (including modelling).

A manufacturing specification should be produced to conclude your design findings leading into the realisation of a final prototype that is fit for purpose and a final evaluation. Students should investigate, analyse and evaluate throughout the portfolio and evidence all decisions made.

	Section	Criteria	Maximum marks
AO1 Identify, investigate and outline design possibilities	A	Identifying & investigating design possibilities	10
	B	Producing a design brief & specification	10
A02 Design and make prototypes that are fit for purpose	C	Generating design ideas	20
	D	Developing design ideas	20
	E	Realising design ideas	20
A03 Analyse and evaluate	F	Analysing & evaluating	20
	Total		100

French

edexcel

Topics in each exam:

- My Personal World
- Lifestyle & wellbeing
- My Neighbourhood
- Media & Technology
- Travel & Tourism
- Studying & My Future

Speaking: 27th April

- Read aloud + two follow up questions
- Role-play
- Describe a photo (people/action/location) + two follow up questions
- Conversation

Listening

Foundation: 50 minutes
Higher: 65 minutes

- Section A = listening & understanding
- Section B = Dictation

Reading:

Foundation: 45 minutes
Higher: 60 minutes

- Section A = reading & understanding
- Section B = translation into English

Writing:

Foundation: 1 hour 15 minutes

1) Describe the photo
2) 40 – 50 word essay: choose either question 2a **or** question 2b

3) 80 - 90 word essay: choose either question 3a **or** question 3b
4) Translation into French

Higher: 1 hour 20 minutes

1) 80 - 90 word essay: choose either question 1a **or** question 1b
2) 130 - 150 word essay: Choose either question 2a **or** question 2b
3) Translation into French

Access Revision Resources using these QR codes

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Geography

Paper 1 – Living with the physical environment
1 hour 30 minutes

The challenge of natural hazards

Tectonic Hazards

- 4 Plate boundaries types, locations and movements.
- Convection Currents
- Causes of Earthquakes
- Causes of Volcanoes
- Effects and responses of earthquakes
- Volcanoes – where they occur and distribution.
- PPPM (planning, protection, prediction and monitoring)

Weather Hazards

- Global Atmospheric Circulation – What is it? Tropical storms – locations
- Formation of a Tropical Storm - conditions.
- Structure and features of tropical storms.
- Effects and responses to tropical storms.
- UK extreme weather

Climate Change

- 3 pieces of evidence for climate change
- Theory of Thermal expansion
- Natural causes – Milankovitch cycles
- Natural greenhouse effect
- Human Causes - enhanced greenhouse effect.
- 4 Social and environmental effects of climate change
- Mitigating the effects of climate change – International agreements/carbon capture etc.
- Adapting to climate change – Managing water supply/drought resistant crops etc

The Living World

Ecosystems

- Food chains/food webs/nutrient cycle
- How does change effect ecosystems/food web?
- Global biomes – location and distribution
- 8 biome descriptions (3 bullet points for each)
- Climate Graphs

Tropical Rainforests

- TRF structure and characteristics
- 3 flora and fauna adaptations
- Causes of deforestation (Energy development. Logging. Mineral extraction, population pressure, commercial farming, subsistence farming)
- Effects of Deforestation (Biodiversity, economic gains, economic losses)
- Solution to deforestation (FSC, selective logging, carbon sinks, national parks, ecotourism)

Hot Deserts

- Desert characteristics
- 3 flora and fauna adaptations
- Climate graphs
- Causes of desertification/salinisation
- Opportunities and challenges in the desert
- Reducing desertification/appropriate technology

Physical Landscapes in the UK

Coasts

- Wave types – constructive/destructive
- 4 Erosional and 4 transportation processes
- Longshore drift (causes and process)
- Coastal landforms – formation of stack/stump
- Coastal landforms – formation of wave cut platform
- Deposition landforms – spits and bars
- Hard engineering 3 examples 2 positive/negative
- Soft engineering 3 examples 2 positive/negative
- Sand dunes

Rivers

- Water cycle keywords
- Long profile and cross profile of a river (features and characteristics)
- Changes in the characteristics of the river or valley – interlocking spurs/drainage basin
- 4 Erosional and 4 transportation processes in the 3 courses
- Upper Course – gorge formation/waterfall formation
- Middle Course – meander/oxbow lake formation
- Lower Course – levees/floodplain formation
- 3 Physical and human causes of flooding-
- Hydrographs comparison
- Managing floods – Hard engineering 3 examples 2 positive/negative
- Managing floods Soft engineering 3 examples 2 positive/negative

Which questions do I answer?

Paper 1 Answer questions 1, 2, 3 and 4
Do not answer question 5 (Glacial Landscapes)

Paper 2 Answer questions 1, 2, 3 and 4 **or** 5 **or** 6

Paper 3 Answer all questions.

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Geography

Paper 2 – Challenges in the Human Environment
1 hour 30 minutes

Urban Issues and Challenges

The Urban World, Urban Change And Urban Sustainability

MANCHESTER

- Urban models- Burgess/Hoyt International migration/national migration
- Social inequalities
- Urban regeneration/ Urban greening
- Reduce, Reuse, Recycle
- Sustainability
- Integrated transport

RIO

- Rural to urban migration
- Push and Pull factors
- Challenges in Rio;
  - Health
  - Education
  - Water,
  - Energy
  - Crime
  - Unemployment
- Slums- Characteristics of favelas and how to solve the problems.
- Economic opportunities

The Challenging UK economy

- Deindustrialisation
- Government policies
- Industrial base
- Post- industrial economy
- North- South divide

The Challenge of Resource management

Food Overview

- Effects of increasing demand
- Food miles
- Cash crops
- Agribusiness
- Organic produce

Water Overview

- Effects of increasing demand
- Water intensive domestic appliances
- Water filtration systems
- Water stress
- Surplus and deficit

Energy Specific

- Effects of increasing demand
- Non- renewable (creation and how it is turned into power) (+/-)
- 6 ways of using renewable energy (how it is turned in power) (+/-)

Paper 3 – Geographical applications
1 hour 30 minutes

Our Fieldwork

Physical with human intervention
(Rivers Burrs)

- What was your hypothesis?
- How would your test prove the theory?
- What did the patterns of data show?
- How did you present your data?
- Why did you display the data this way? Was it clear?
- Evaluate your data presentation, what conclusions did you get from your data?
- What were your conclusions? Why are/aren't your conclusions valid?
- Why might the timings have an impact on your results?
- What risks were involved? How were they alleviated?
- What sampling techniques were used? How? Justify why you used them.
  What problems did you find with your methods? Why did you find them? How can you overcome them?
  How could this impact your conclusion? How would this impact your methods? Do you think professionals could use this to influence their decisions?

Human (New Islington)

- What was your hypothesis?
- How would your test prove the theory?
- What did the patterns of data show?
- How did you present your data?
- Why did you display the data this way? Was it clear?
- Evaluate your data presentation, what conclusions did you get from your data?
- What were your conclusions? Why are/aren't your conclusions valid?
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- What problems did you find with your methods?
- Why did you find them? How can you overcome them?
- How could this impact your conclusion? How would this impact your methods? Do you think professionals could use this to influence their decisions?

New Fieldwork

Data Collection

- Risk assessments
- Location suitability, why is a location suitable for fieldwork?
- Smart questions – Think of another question that you could ask in a survey
- Risks/solutions
- Data Techniques
- Primary/secondary
- Stratified
- Systematic
- Random
- Open/closed questions
- Quantitative/Qualitative

Data Analysis

- Mean/Median/Mode
- Inter quartile range (IQR)
- Correlations
- Lines of best fit (Strong/weak positive. Strong/weak negative, no correlation)
- Distribution – Peripheral, density, cluster
- TEA (trends, evidence, anomalies)

Data Presentation

- Mean/Median/Mode
- Inter quartile range (IQR)
- Correlations
- Lines of best fit (Strong/weak positive. Strong/weak negative, no correlation)
- Distribution – Peripheral, density, cluster
- TEA (trends, evidence, anomalies)

History

Paper 1 - 2 hours

Topic – USA
- Mass Production
- Government Policies
- Other causes of the boom
- Inequalities in Wealth
- Entertainment 1920's
- Prohibition
- Organised Crime
- Women 1920's
- Immigration 1920's
- KKK/Racial tension 1920's
- Causes of the Depression
- Hoovers response to depression
- 1932 election
- Roosevelts New Deal
- Criticisms of Roosevelts New Deal
- Entertainment 1930's
- WW2 Economic impact
- WW2 impact on Women
- WW2 impact African Americans
- Post War Economic Recovery
- McCarthyism
- Entertainment 1950's
- Topeka v Brown & Little Rock
- Montgomery Bus Boycott
- Freedom Rides and Sit In's
- Birmingham, Washington and Selma Marches
- Black Power Movement
- Impact of Presidents Kenedy and Johnson
- Women 1960/70's

Topic – Conflict and Tension
- Aims of BIG 3
- Terms of the Treaty of Versailles
- Big 3's reaction to Treaty of Versailles
- Germany's reaction to treaty of Versailles
- Members of the League of Nation
- Organisation/powers of the League of Nations
- League of Nations 1920's
- Manchurian Crisis
- Abyssinian Crisis
- Why did the league fail?
- Hitlers Foreign Policy Aims
- German Rearmament
- Dollfuss Affair
- Saar Land
- Rhineland
- Appeasement
- Anschluss
- Sudeten/Munich Crisis
- Nazi Soviet Pact
- Invasion of Poland

Paper 2 - 2 hours

Topic – Power and Conflict
- Magna Carta
- Simon de Monfort/Provisions of Oxford
- Peasants Revolt
- Pilgrimage of Grace
- English Civil War/Oliver Cromwell
- American Revolution
- Chartists
- Reformers
- Trade Unions
- Women's Rights
- Minority Rights

Topic – Elizabeth
- Elizabeth's Court
- Elizabeth's Government
- Marriage and Succession
- Essex Rebellion
- Religious Settlement
- Mary Queen of Scots
- Catholic Plots
- Puritan Threat
- Spanish Armada
- Poverty
- Golden Age
- Elizabethan Theatres
- Voyages of Discovery
- **Historic Environment Question - Kenilworth Castle**

YOU WILL DEFINTELY BE ASKED A QUESTION ON THIS TOPIC

Paper 1

USA Videos

C&T Videos

Paper 2

P&P Videos

Elizabeth Videos

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Hospitality and Catering

Unit 1 – Exam 1 hour 20 minutes
Unit 2 – Coursework

1.1 Hospitality and catering provision

1.1.1 Hospitality and catering providers
- Commercial residential establishments
- Commercial non-residential establishments
- Non-commercial residential establishments
- Non-commercial non-residential establishments
- Food service
- Residential service
- Hotel and guest house standards (star ratings)
- Restaurant standards

1.1.2 Working in the hospitality and catering industry
- Front of house
- Housekeeping
- Kitchen brigade
- Management
- Personal attributes
- Qualifications and experience

1.1.3 Working conditions in the hospitality and catering industry
- Employment contracts and working hours
- Remuneration and benefits
- The fluctuating needs of the industry

1.1.4 Contributing factors to the success of hospitality and catering provision
- Basic costs
- Calculating gross profit and net profit
- How the economy can impact business
- Environmental needs and impacts within the industry
- The impact of new technology
- The impact of different types of media

1.2 How hospitality and catering providers operate

1.2.1 The operation of the front and back of the house
- Workflow of the front of house
- Workflow of the catering kitchen
- Equipment and materials
- Documentation and administration requirements in a catering kitchen
- Typical dress code requirements

1.2.2 Customer requirements in hospitality and catering
- Customer needs
- Customer rights and inclusion
- Equality

1.2.3 Hospitality and catering provision to meet specific requirements
- Customer requirements/needs
- Customer expectations
- Customer demographics

1.3 Health and safety in hospitality and catering

1.3.1 Health and safety in hospitality and catering provision
- Responsibility for the personal safety in the workplace
- of employers and employees, and the law
- Risks to health and security

1.3.2 Food safety
- The HACCP system

1.4 Food safety in hospitality and catering

1.4.1 Food-related causes of ill health
- Causes of food poisoning
- Allergies
- Food intolerance
- Harmful chemicals in food
- Food labelling laws
- Food safety regulations

1.4.2 Symptoms and signs of food-induced ill health
- Symptoms of food poisoning

1.4.3 Preventative control measures of food-induced ill health
- Cross-contamination
- Correct temperature in delivery, storage, preparation and service

1.4.4 The Environmental Health Officer (EHO)
- Responsibilities of the EHO

Unit 2 – Coursework

Students will complete coursework during lesson time. They will complete the practical aspect of the coursework on one of the following dates:

25th – 27th March 2026

Music

Component 1: Understanding Music (40%)
Listening exam
1 hr 30 minutes

Topics to revise:

- Western Classical Music 1650-1910
- Popular Music
- Traditional Music
- Western Classical Music 1910 onwards
- Beethoven Symphony No. 1
- Queen – Bohemian Rhapsody, Love of my Life and Seven Seas of Rye

NEA - Deadline Friday 27th March 2026

- **Component 2**: Performing Music - one solo and one ensemble (30%)

- **Component 3**: Music Composition – one free and one brief – (30%)

Recommended revision guide/materials

Tips for the subject

Ensure you link composition to the brief and explain in the commentary how and where you have used the elements of music.
Ensure you consider the creative process throughout and keep notes as you go along as these can be used when writing the commentaries.

Remember to use PEEL technique for extended writing questions.

P – Point
The point from the mark scheme, relating to the elements of music and how they are used.

E – Evidence
Where this element of music can be found in the music. The more specific, the better.

E – Explanation
Explanation about what the musical vocabulary means (this can include drawing a rhythm) and how it links to the question.

L – Link
At the end of the paragraph, summarising what element of music has been used and linking back to the question.

Travel and Tourism

Pearson

Component 3: Influences in Global Travel and Tourism
2 hours

A1 - Factors that influence global travel and tourism

Economic Factors
- How does recession/boom affect the amount of money people spend on holidays?
- How do levels of employment affect the money people have to spend on holidays?
- How does changing cost of fuel affect travel costs?
- How do fluctuations in currency exchange rates affect destinations?

Political factors
- How can different types of legislation be used for visitors?
- What health and safety laws, employment laws, planning laws are there?
- How can taxes affect the cost of travel and visitor numbers to a destination?
- How can passport requirements affect visitor numbers to a destination?
- How do governments promote tourism?
- How do political instability, civil unrest and war affect a destination?

Natural disasters
- How do natural disasters impact on destinations and the travel industry?

Media, publicity and image
- How can media exposure of global destinations affect visitor numbers?

Safety and security concerns
- What risks are there in an unfamiliar environment?
- What safety measures are implemented by authorities and travel providers?
- How can visitors be aware of guidance relating to individual safety and security?
- What are the effects of safety and security concerns of global destinations?

Health risks and precautions
- What infectious diseases and illnesses can travellers be at risk from?
- How can travellers take precautions against these illnesses and diseases?
- How can health risks lead to bad publicity for global destinations?

A2 - Response to Factors

Travel and tourism organisations
- What are possible responses to the factors influencing travel and tourist destinations?
- Adapting and developing new products and services
- Adapting operational procedures
- Reviewing destinations offered
- Reviewing price structures
- Managing public relations.

Government local, regional, national
- What are possible responses to the factors influencing travel and tourist destinations?
- Providing public with up-to-date information
- Imposing travel restrictions
- Promoting a positive image
- Encouraging employment
- Improving infrastructure
- Introducing or tightening of security measures

Voluntary organisations
- What are possible responses to the factors influencing travel and tourist destinations?
- Promoting sustainability, conservation and protection
- Campaigning for governments to affect change
- Raising awareness of issues – ethical, environmental
- Raising funds.

Section B - Impact of travel and tourism and sustainability

Social impacts of tourism
- What are the possible positive and negative impacts of tourism on local communities?

Economic impact of tourism
What are the possible positive and negative impacts of tourism on the economy?

Environmental impact of tourism
- What are the possible positive and negative impacts on the environment?

Sustainability and managing social impacts
- How can visitors be encouraged to reduce negative impacts on the local community and culture?
- How can infrastructure development benefit local people?
- How can local communities be involved in decision making?
- How can local communities have a share or ownership of a resort/lodge and provide staffing?
- How can we introduce tourist taxes and use the money for community projects?

Sustainability and managing economic impacts
- How can tourism provide employment and training opportunities for local people?
- How can visitors be encouraged to support local communities?
- How can governments restrict involvement of foreign-owned companies to benefit the local economy?
- How can visitor spend can be increased and retained?

Sustainability and managing environmental impacts
- How can visitors be managed?
- How can traffic be managed?
- How can planning be controlled?
- What legislation is there to encourage sustainability and reduce the environmental impact of tourism?
- How can visitors be educated to reduce impact on the environment and contribute to looking after it?
- How can resources be controlled responsibly?
- How can we protect natural areas that are vulnerable to high volumes of visitors?
- How can we educate visitors on the wildlife, natural world and special qualities of the environment?

Section C – Destination Management

Tourism Development
- What are the stages of the Butler's Tourist Area Life Cycle (TALC) model?
- What are emerging destinations and what are their characteristics?
- What are mature destinations and what are their characteristics?

The role of local and national governments in destination management
- What are the roles of different governments in terms of:
- travel restrictions
- transport links and networks and communication links
- controlling the development of facilities and tourism infrastructure
- attracting funding from outside investors
- providing funding for new initiatives
- managing destinations by ensuring tourism development is sustainable
- managing tourism development through taxes, rules and legislation.

The importance of partnerships in destination management
- What are the types of partnerships and their purpose?
- What are the different sectors of business in travel and tourism and how can each manage destinations?
- What are the advantages of partnerships between organisations?
- What are the disadvantages of partnerships?

Sports Studies

CAMBRIDGE OCR

R184: Exam Content
1 hour 15 minutes

TA1:
- User Groups
- Barriers to Participation
- Overcoming Barriers
- Popularity of Sport *(PAMPERSS)*
- Emerging and New Sports

TA2:
- Sporting Values *(INFECTT)*
- Olympic and Paralympic Values *(REF and DICE)*
- Sporting Initiatives *(e.g. Rainbow Laces)*
- Sporting Behaviour *(Sportsmanship, Gamesmanship, Etiquette)*
- Performance Enhancing Drugs

TA3:
- Types of Sporting Events (*Regular, Regular Recurring, One Off)*
- Hosting Sporting Events *(Pre/ During/ Post Event)*

TA4:
- National Governing Bodies *(ODD APPLE)*

TA5:
- Technology in Sport *(ARCADES)*
- Positive Effects of Technology
- Negative Effects of Technology

R186 Controlled Assessment Content:

TA3: Negative Impacts of Media on Sport
External factors affecting decline in live spectatorship
How the media is assisting a widening wealth divide in sport
Coverage of inappropriate behaviour
Ethical appropriateness of sponsors
Impact of wider global issues on sport/ performers and spectators
Rejection of sporting heroes

CGP Revision Guide &Exam Workbook

Alternatively: See Y11 Teams page (Sports Studies Folder) for knowledge organisers and revision booklets.

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Plan your revision for each week

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