Subject: Drama

### Paper/Component 1 - NEA

Topic Overview:

## **Content overview**

- Create and develop a devised piece from a stimulus (free choice for centre).
- Performance of this devised piece or design realisation for this performance.
- Analyse and evaluate the devising process and performance.

This involves creating a performance and a 2000 word portfolio

# Paper/ Component 2- Live Performance to an examiner – March of your examination year

Topic Overview: Performance Exam

Students will either perform in and/or design for two key extracts from a performance in text.

This is two performances to a visiting examiner.

The lines are to be learnt at home.

# Paper/Component 3 - Mock in the summer. Examined in the May of your exam year.

Topic Overview: Written Exam in two sections - One paper of 1 hour 45 mins.

## Section A Bringing Texts to Life

The study of An Inspector Calls looking specifically at the staging of the play. You must know how to perform the piece using the correct terminology. There will also be focus on the staging of the play which includes set, costume, lighting and sound.

Section B; Live Theatre Evaluation. The evaluation of a live performance will be examined and will focus on the acting skills used and the Staging of the play.

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## Subject: Engineering

## Topic Overview: Engineering Materials and Properties

Understand the properties and applications of metals (ferrous and non-ferrous), polymers, composites, and smart materials.

Key properties include strength, hardness, toughness, ductility, and thermal/electrical conductivity. Be prepared to justify material choices for specific products based on function, cost, and sustainability.

## Topic Overview: Manufacturing Processes

Know key processes such as casting, forming, machining, and additive manufacturing (3D printing). Understand the advantages, disadvantages, and applications of each method.

Be able to evaluate process suitability for different materials and production scales (e.g., batch vs. mass production).

## Topic Overview: Engineering Drawings and CAD

Interpret and create engineering drawings, including orthographic projections, sectional views, and dimensioning.

Understand the role of Computer-Aided Design (CAD) in product development, including simulation, prototyping, and manufacturing integration. Familiarity with industry standards (BS 8888) is useful.

## Topic Overview: Health and Safety in Engineering

Understand workplace safety regulations, including risk assessments, PPE, and COSHH (Control of Substances Hazardous to Health).

Know the importance of maintaining a safe working environment, hazard identification, and compliance with Health and Safety Executive (HSE) guidelines.

### **Subject: Combined Science**

## Paper 1: Biology (Paper 1)

#### Topic Overview:

Key Concepts: Cells, Enzymes, Transporting substances.

Growth and Cellular Control: Mitosis, Animal and Plant growth, Stem cells, Nervous system.

Genetics: Meiosis, DNA, Alleles, Mutation, Variation

Natural and Artificial Selection, Human evolution, natural selection, classification, selective breeding, Genetic engineering

Health and Disease: Non / Communicable diseases, Pathogens, Barriers, immune systems and antibiotics

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Paper 2: Chemistry (Paper 1)

#### Topic Overview:

Key Concepts in Chemistry: Formulae, equations, hazards, atomic structure, the periodic table, ionic bonding, covalent bonding, types of substances and calculations involving masses.

**States of matter and mixtures:** States of matter and methods of separating and purifying substances.

Chemical Changes: Acids and Electrolytic processes.

Extracting metals and Equilibria: Obtaining and using metals, reversible reactions and equilibria.

## Paper 3: Physics (Paper 1)

#### Topic Overview:

**Forces and Motion:** Vectors, Scalars, Distance/time graphs, acceleration, Velocity/time graphs, Resultant force, Newton's 3 laws, momentum, stop distances and crash hazards

**Conservation of Energy:** Energy stores and transfers, efficiency, conduction, convection and radiation, stored energies, renewable and non-renewable resources

Waves and the Electromagnetic Spectrum: Waves, Wave speed, Refraction, the electromagnetic spectrum, uses and dangers of the long and short wavelengths

**Radioactivity:** Atomic model, ionisation, Background radiation, types of radiation, radioactive decay, half-life, dangers of radioactivity

## Paper 4: Biology (Paper 2)

#### Topic Overview:

Key Concepts: Cells, Enzymes, Transporting substances.

Plants: Photosynthesis, Transporting systems

Homeostasis: Hormones, metabolic rate, Blood glucose levels, diabetes, the menstrual cycle

Exchange and Transport: Gas exchange, the circulatory system, the heart, respiration

**Ecosystems and Cycles:** Ecosystems, Abiotic and biotic factors, parasitism and mutualism, biodiversity, The water, carbon and nitrogen cycles

## Paper 5: Chemistry (Paper 2)

## Topic Overview:

**Key Concepts in Chemistry:** Formulae, equations, hazards, atomic structure, the periodic table, ionic bonding, covalent bonding, types of substances and calculations involving masses.

Calculations Involving Masses: Masses and Empirical Formulas, Conservation of mass, Moles

**Groups in the periodic table, Rates of reaction, Heat Energy Changes in Chemical Reactions:** Group 1, 7, 0, Rates of Reaction, Catalysts and Activation energy, Endothermic and Exothermic reactions, Energy changes in reactions

**Fuels & Earth and Atmospheric Science:** Hydrocarbons, fractional distillations, alkanes, completes and incomplete combustion, cracking, Early atmosphere, atmosphere today, climate change

### Paper 6: Physics (Paper 2)

#### Topic Overview:

**Doing Work, Forces and their Effects:** Work and power, objects affecting each other, vector diagrams.

**Electricity and Circuits:** Electric circuits, currents and potential difference, current, charge and energy, resistance, more about resistance, transferring energy, power, transferring energy by electricity, electrical safety,

**Magnetism, the Motor Effect, and Electromagnetic Induction:** Magnets and magnetic fields, electromagnetism, magnetic forces, transformers and energy, electromagnetic induction, the national grid

**Particle Model, Forces and Matter:** Particles and density, energy and changes of state, energy calculations, gas temperature and pressure, bending and stretching, extensions and energy transfers

#### Subject: Biology

## Paper 1:

## Topic Overview:

Key Concepts: Cells, Enzymes, Transporting substances.

Growth and Cellular Control: Mitosis, Animal and Plant growth, Stem cells, Nervous system, Brain and Spinal cord damage

Genetics: Meiosis, DNA, Alleles, Mutation, Variation, Mendel, Variants, Multiple and missing genes

**Natural and Artificial Selection,** Human evolution, natural selection, classification, selective breeding, Genetic engineering, Evidence for Darwin's theory, Tissue culture, fertiliser and biological control

Health and Disease: Non / Communicable diseases, Pathogens, Barriers, immune systems and antibiotics, Virus life cycles, plant defence and disease, monoclonal antibodies

## Paper 2:

## Topic Overview:

Key Concepts: Cells, Enzymes, Transporting substances.

Plants: Photosynthesis, Transporting systems, Plant adaptations and hormones

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**Homeostasis:** Hormones, metabolic rate Blood glucose levels, diabetes, the menstrual cycle, thermoregulation, osmoregulation. The Kidneys

**Exchange and Transport:** Gas exchange, the circulatory system, the heart, respiration, Factors affecting diffusion.

**Ecosystems and Cycles:** Ecosystems, Abiotic and biotic factors, parasitism and mutualism, biodiversity, The water, carbon and nitrogen cycles, Pollution, Food security, decomposition

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## Subject: Chemistry

### Paper 1:

#### Topic Overview:

**Key Concepts in Chemistry:** Formulae, equations, hazards, atomic structure, the periodic table, ionic bonding, covalent bonding, types of substances and calculations involving masses.

**States of matter and mixtures:** States of matter and methods of separating and purifying substances.

Chemical Changes: Acids and Electrolytic processes.

Extracting metals and Equilibria: Obtaining and using metals, reversible reactions and equilibria.

**Separate Chemistry 1:** Transition metals, alloys and corrosion, quantitative analysis, dynamic equilibria and chemical cells and fuel cells.

### Paper 2:

#### Topic Overview:

**Key Concepts in Chemistry:** Formulae, equations, hazards, atomic structure, the periodic table, ionic bonding, covalent bonding, types of substances and calculations involving masses.

Calculations Involving Masses: Masses and Empirical Formulas, Conservation of mass, Moles

**Groups in the periodic table, Rates of reaction, Heat Energy Changes in Chemical Reactions:** Group 1, 7, 0, Rates of Reaction, Catalysts and Activation energy, Endothermic and Exothermic reactions, Energy changes in reactions

**Fuels & Earth and Atmospheric Science:** Hydrocarbons, fractional distillations, alkanes, completes and incomplete combustion, cracking, Early atmosphere, atmosphere today, climate change

**Hydrocarbons, Alcohols and Carboxylic Acids, Polymers:** Alkanes and alkenes, ethanol production, alcohols, carboxylic acids, polymerisation

**Qualitative Analysis:** Flame tests, tests for positive and negative ions, choosing materials, composite materials, nanoparticles

## Subject: Physics

### Paper 1:

#### Topic Overview:

**Forces and Motion:** Vectors, Scalars, Distance/time graphs, acceleration, Velocity/time graphs, Resultant force, Newton's 3 laws, momentum, stop distances and crash hazards, Breaking distance and energy.

**Conservation of Energy:** Energy stores and transfers, efficiency, conduction, convection and radiation, stored energies, renewable and non-renewable resources

Waves and the Electromagnetic Spectrum: Waves, Wave speed, Refraction, the electromagnetic spectrum, uses and dangers of the long and short wavelengths, The ear and hearing, ultrasound and infrasound, colour and lenses, radiation and temperature

**Radioactivity:** Atomic model, ionisation, Background radiation, types of radiation, radioactive decay, half-life, dangers of radioactivity, Uses of Radioactivity, Nuclear energy, fusion and fission

Astronomy: The Solar system, Gravity and orbits, Life cycles of stars, red shift, Origin of the universe

## Paper 2:

#### Topic Overview:

**Doing Work, Forces and their Effects:** Work and power, objects affecting each other, vector diagrams. Separate only: rotational forces.

**Electricity and Circuits:** Electric circuits, currents and potential difference, current, charge and energy, resistance, more about resistance, transferring energy, power, transferring energy by electricity, electrical safety,

Static Electricity: Charges and static electricity, dangers and uses of static electricity, electric fields.

**Magnetism, the Motor Effect, and Electromagnetic Induction:** Magnets and magnetic fields, electromagnetism, magnetic forces, transformers and energy, electromagnetic induction, the national grid

**Particle Model, Forces and Matter:** Particles and density, energy and changes of state, energy calculations, gas temperature and pressure, bending and stretching, extensions and energy transfers, gas pressure and volume, pressure in fluids, pressure and upthrust.

#### Subject: Art

#### Portfolio 60%

#### Topic Overview

Students will work from a chosen title; they will create a portfolio of work showing a range of techniques and styles that relates to their chosen title. Photoshoots relating to chosen titles and annotation of these photoshoots form the basis of the research leading to a final outcome. Students will need to show experimentation in their photographs

They will research artists, craftspeople and photographers that fit with their chosen title, they will need to annotate the reasons for their choices, this could be colour, technique, style or composition of content.

The portfolio will finish with a final piece that shows artist influence

## Paper: Exam 40%

Topic Overview

Students respond to one of five themes, each with a range of written and visual starting points and stimuli. Students research, plan and develop ideas for their response to the option they have chosen, which they must then realise within the ten-hour supervised exam.

## Subject: Music

## Paper: Listening & Analysis

## **Topic Overview:**

8 questions with 2 questions per area of study. You have the following areas:

- Concerto through Time
  - o Baroque, Classical, Romantic
- Rhythms of the World
  - o Middle East, Asian, African, Caribbean
- Film Music
- Conventions of Pop
  - o Rock 'n' Roll
  - o Rock Anthems
  - o Pop Ballads
  - o Solo Artists

Each question you will hear a piece of music and use your musical knowledge to answer and describe what you hear, incorporating the elements of music using MAD T-SHIRT (Melody, Articulation, Dynamics, Tempo, Texture, Tonality, Structure, Harmony, Instrumentation, Rhythm.

## NEA: Performance

## Topic Overview:

Two performance – Solo Performance & Ensemble Performance, each performance marked out of 30

Both performances focus on the same marking criteria as below:

- Technical Control & Fluency (12)
- Expression & Interpretation (12)
- Difficulty (6)

## **NEA: Composition**

### Topic Overview:

Two compositions - Free Choice & Set Brief, each composition marked out of 30

Free Choice compositions are started in Y10, and students can compose their own music that is related back to the any 4 of the area of studies.

Set Brief Composition are completed in Y11 as the exam board will release 4 choices of briefs that they can choose to compose for, one for each Area of Study. Students will treat these briefs as if they were commissions.

## Subject: Sports Science Years 10 and 11

## NEA R181 Applying the Principles of Training: fitness and how it affects skill performance

Topic Area 1: Components of fitness applied in sport (Year 10 Terms 4/5/6)

Relevance of components of fitness to different sports: Cardiovascular Endurance, Muscular Endurance, Speed, Flexibility, Co-Ordination, Reaction Time, Power, Strength, Agility and Balance.

Assess components of fitness: Complete the appropriate fitness tests for the above components of fitness.

Application of components of fitness to skill performance: Application of each component to 2 sports which they chose from the approved list.

Collect, record, and interpret the results of skill-based fitness tests.

The above makes up 3/7 tasks for this unit which will be completed before the end of Year 10.

Topic Area 2: Principles of training in sport

Principles of training and goal setting in a sporting context - SPOR principle, FITT Principle and SMART Goal Setting.

Methods of training and their benefits: Interval Training, Fartlek Training, Continuous Training, Circuit Training, Weight Training, Weight Training and HIIT Training.

The Difference between Aerobic and Anaerobic Training.

The above makes up 2/7 tasks for this unit. Both tasks must be applied to a case study which is released 1<sup>st</sup> July 2025. These tasks will be started in Term 6 and completed in Term 1 Year 11.

Topic Area 3: Organising and planning a fitness training programme.

Factors when designing a fitness training programme: Facilities/equipment, Safety/risk assessments, Aims/goals/objectives, Current fitness levels/injuries, Organisation, Environment, Skills to be improved.

Planning a fitness-based training programme: Suitable warm up and cool down, Activities/main content of programme, Duration of plan, Duration of sessions, Equipment and facilities, Coaching points, Adaption of programme based on each session and mid-term testing.

Recording results from fitness training programme.

The above makes up 1/7 tasks for this unit. This will be completed in Term 1 and 2 of Year 11.

Topic Area 4: Evaluate own performance in planning and delivery of a fitness training programme

Effectiveness of a fitness training programme: Reflections on the fitness training programme considering the: Goals set, Training methods used, Fitness component links correctly to skill tests

Further development suggestions for improvements to the fitness training programme

The above makes up 1/7 tasks for this unit and will be completed by the end of Term 2 ready to be sent to the exam board in January.

# Paper: R180 Reducing the Risk of Sports Injuries and Dealing with common medical conditions

# Exam: May 2026 – All content will be delivered by end of Term 4 Year 11.

## Topic Overview: TA1 - INTRINSIC AND EXTRINSIC FACTORS

Extrinsic Factors: Type of Activity (contact/non-contact), Coaching/Instructing/Leadership (communication/supervision/experience), Environmental Factors (weather/playing surface/human interaction) and Equipment (protective/performance)

Intrinsic Factors: Individual Variables (age/gender/fitness levels/sleep/nutrition), Mental Strategies (Mental Rehearsal/Imagery), Reasons for Aggression (Pressure to win/Retaliation) and Psychological Factors (motivation/anxiety/aggression).

# Topic Overview: TA2 – WARMING UP AND COOLING DOWN

Warm-Up: Pulse Raiser, Mobility, Dynamic Stretches and Skill

Reasons – Preparing Body for activity, increase in body temperature, increase in HR, Concentration, Motivation.

Cool Down: Pulse Lowering and Stretching

Reasons – Gradually lowers HR, gradually lowers body temperature, reduces breathing rate.

Topic Overview: TA3 - TYPES AND CAUSES OF SPORTS INJURIES

Acute – Strain, Sprain, Fracture, Dislocation, Skin Damage, Concussion

Chronic – Epicondylitis, Stress Fracture, Tendonitis, Shin Splints

Treatment – PRICE

Reducing the Risk – Link to Extrinsic Factors – Coaching/Type of Activity/Environment and Intrinsic Factors – Age/Gender/Nutrition/Previous Injury.

Topic Overview: TA4 - REDUCING RISK, TREATMENT & REHABILITATION OF SPORTS INJURIES & MEDICAL

Risk Assessments – Identify and Remove Hazards. Rate the risk severity and likelihood of this happening. Put in place control measures to reduce the risk.

Strategies to reduce the risk – NGB's – guidelines they put in place, Medicals and Screening.

SALTAPS (See, Ask, Look, Tough, Active, Passive and Strength) – Assess acute injuries

DRABC (Danger, Response, Airway, Breathing, Circulation) – Recovery Position if breathing and unconscious.

PRICE (Protect, Rest, Ice, Compress, Elevate) – Treatment of injuries.

# Topic Overview: TA5 - CAUSES, SYMPTOMS & TREATMENT OF COMMON MEDICAL

Asthma – Coughing/Wheezing/Tightness of Chest/Shortness of Breath -- Inhaler/Nebuliser/999

Diabetes – Increase thirst/increased urination/tiredness/blurred vision – Insulin/Sugary Foods

Epilepsy – Seizures/Absences/Loss of Consciousness – Tablets/Supervise/Reassure

Sudden Cardiac Arrest (SCA) – Sudden Collapse/Unconscious/Not Breathing – Defibrillator/999

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#### Subject: English Language

#### Paper: 1 Explorations in Creative Reading and Writing

#### Topic Overview:

## Section A: Analysis of a fiction extract.

Q1 – Identify four details

Q2 – Language Analysis

Q3 – Structure Analysis

Q4 – Evaluation of language

Section B: Creative writing inspired by an image or writer stimulus.

#### Paper: 2 Writer's Viewpoints and Perspectives

#### Topic Overview:

## Section A: Analysis of two non-fiction extracts.

Q1 - Identify four true statements

- Q2 Summary (Comparative Inference)
- Q3 Language Analysis

Q4 – Comparative Analysis

Section B: Production of a piece of speech, letter or article (transactional writing) in response to a given stimulus by the exam board.

#### Subject: English Literature

#### Paper: 1 Shakespeare and 19th Century Literature

#### Topic Overview:

Students need to demonstrate their ability to engage with both Shakespearean and Victorian ideas, attitudes and values. They will be provided with an extract and expected to analyse language from both this and the wider text.

#### Section A: Macbeth

Exemplar question: Starting with this extract, explore how Shakespeare has used the theme of the supernatural.

### Section B: A Christmas Carol

Exemplar Question: Starting with this extract, explore how Dickens has used the ghosts to influence Scrooge's journey of redemption.

### Paper: 2 Modern Prose and Poetry

#### Topic Overview:

### Section A: An Inspector Calls

Students will be given a choice of two questions that will ask them to explore the development of character, theme or concepts from across the play. No extract will be provided so students will need to recall evidence from the texts themselves.

### Section B: Power and Conflict Poetry

Students have studied 15 poems that are related through the themes of power and conflict. Students will be provided with one poem and asked to compare the analysis of this with one other poem from the power and conflict cluster.

### Section C: Unseen Poetry

Students will use their skills of poetry analysis to analyse an unseen poem provided by the exam board. They will also need to demonstrate their ability to compare unseen poetry, focusing specifically on literary methods.

## Subject: AQA GCSE Food Preparation and Nutrition

## Paper:1

## Topic Overview: Food Safety

- Hygiene, health and safety
- Food safety when buying, storing, preparing, cooking and serving food Key Temperatures
- Microorganisms in food production: Bread, cheese, yoghurt, jam
- Cross-contamination
- Food Poisoning

## Paper:1

## Topic Overview: Food Science

- Heat Transfer: Conduction, Convection, Radiation
- Methods of cooking: Dry, with Moisture, with Fat
- Chemical and Functional Properties of Ingredients: Carbohydrates - Caramelisation, Dextrinisation, Gelatinisation Fats - Emulsification, Plasticity, Shortening Protein - Denaturation, Coagulation

## Paper:1

## Topic Overview: Nutrition, Diet and Health

- Macronutrients Carbohydrates, Fats and Proteins
- Micronutrients Vitamins and Minerals
- Dietary Diseases Obesity, Skeletal Disease, Type 2 Diabetes, Cardiovascular Disease & Stroke
- Age related Nutrition

## Paper:1

## Topic Overview: Food Choice

- Factors affecting Food Choice why we buy the foods we do
- Ethics, Morals, Beliefs
- Religion & Culture

## Paper:1

Topic Overview: Food Provenance

Methods of Farming

Intensive

- Organic
- Genetic Modification
- Hydroponics
- Local
- Seasonal
- Fair Trade
- Food Processing: Primary & Secondary

#### Subject: Geography

#### Paper: 1

#### Topic Overview:

Section 1A – The challenge of natural hazards – natural hazards, tectonic hazards, weather hazards, climate change.

Section 1B – The Living World - Ecosystems, tropical rainforests, hot deserts.

Section 1C - Physical landscapes in the UK – UK physical landscapes, Coastal landscapes in the UK, River landscapes in the UK.

#### Paper: 2

#### Topic Overview:

Section 2A – Urban Issues and challenges – Urbanisation, Case study of a major city in an LIC or NEE, UK urban change, Case study of a major UK city, Urban sustainability.

Section 2B – The changing economic world – The development gap, Case study of an LIC or NEE, UK economic futures.

Section 2C – The challenge of resource management – Global overview, UK overview and one of the following topics: Food management, Water management, energy management.

#### Paper: 3

#### Topic Overview:

Section 3A – Issue Evaluation – Resource booklet can be taken into the exam, critical thinking solving a task that will address an issue from another part of the other two papers.

Section 3B – Fieldwork – Different fieldwork enquiries, questions on unfamiliar fieldwork and questions from the students own fieldwork, select suitable questions, select, measure and record data, select ways or processing data, explain fieldwork data, reach conclusions.

## Subject: Maths

## Paper: 1

Topic Overview:

Non – Calculator

All topics – Higher and Foundation – Please refer to Sparx.

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## Paper: 2

## Topic Overview:

Calculator

All topics – Higher and Foundation – Please refer to Sparx.

## Paper: 3

Topic Overview:

Calculator

All topics - Higher and Foundation - Please refer to Sparx.

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Subject: OCR Photography (J173)

### Portfolio 60%

#### Topic Overview

Students will work from a chosen title; they will create a portfolio of work showing a range of techniques and styles that relates to their chosen title. Photoshoots relating to chosen titles and annotation of these photoshoots form the basis of the research leading to a final outcome. Students will need to show experimentation in their photographs

They will research artists, craftspeople and photographers that fit with their chosen title, they will need to annotate the reasons for their choices, this could be colour, technique, style or composition of content.

The portfolio will finish with a final piece that shows artist influence

### Paper: Exam 40%

Topic Overview

Students respond to one of five themes, each with a range of written and visual starting points and stimuli. Students research, plan and develop ideas for their response to the option they have chosen, which they must then realise within the ten-hour supervised exam.

## Subject: Sociology

## Paper 1: The sociology of families and education – The Sociological Approach

#### Topic Overview:

## The Sociological approach (Research methods focus)

- Consensus vs conflict theories
- Sociological perspectives on social structures, processes and issues; feminism, functionalism, Marxism and interactionism
- Knowledge and understanding of sociological research methods including evaluation; questionnaires, interviews, observations, experiments, case studies
- Key sociological terms and concepts relating to social structures, processes and issues
- Key sociological terms and concepts explaining social phenomena including, society,

## Paper 1: The sociology of families and education – Families and Households

### Topic Overview:

## Families

- Functions of families
- Family forms
- Conjugal role relationships
- Changing relationships within families
- Criticisms of families
- Divorce

## Paper 1: The sociology of families and education - Education

### Topic Overview:

### Education

- Roles and functions of education
- The relationship between education and capitalism
- Educational achievement
- Processes within schools

### Paper 2: The sociology of crime and deviance and social stratification - Crime and Deviance

### Topic Overview:

### **Crime and Deviance**

- The social construction of crime and deviance
- Social control
- Criminal and deviant behaviour
- Data on crime

# Paper 2: The sociology of crime and deviance and social stratification - Social stratification

## Topic Overview:

## **Social stratification**

- Functionalist theory of stratification
- Socio-economic class
- Life chances
- Poverty as a social issue
- Power and authority
- Power relationships

# Paper 2: The sociology of crime and deviance and social stratification – Sociological research methods

## Topic Overview:

## **Research methods**

- Research design
- Qualitative and quantitative methods
- Types of data
- Primary and secondary sources
- Interpretation of data
- Practical issues
- Ethical issues

## Subject: Spanish

## Thematic contexts studied in Year 10:

My personal world – self, family, friends, relationships, role models and equality

**Lifestyle and wellbeing** - sports, free time, food and drink, meals, healthy eating, healthy routines, ordering food and drink in a café/restaurant, typical Hispanic foods, mental wellbeing, illness and injury

Media and technology – music, TV, film, social media and gaming

**Studying and my future** – school subjects, teachers, facilities, primary school, uniform, school rules, advantages and disadvantages, ideal school, school trips, school day, future success

## Paper: 1

## Speaking in Spanish:

Task 1: Read aloud – 5 sentences with 2 follow up questions to answer on the sentences.

Task 2: Role Play – 5 brief interactions in a scenario such as: at the campsite; at the hotel; in town; at the railway station etc, following prompts, with your teacher as your partner.

Task 3: Picture task (thematic content picked by student)

Describe the picture and answer 2 compulsory questions related to the picture followed by a conversation on the broader theme related to the picture (past present and future tenses required).

## Only using themes covered this year.

## Paper: 2

Listening and understanding in Spanish:

Section A: Listening comprehension – 11 questions

Section B: Dictation – Question 12 - listen to 6 short sentences. For sentences 1-3 you must write down the missing words in the gaps provided. For sentences 4-6 you must write down the whole sentence.

Covering all the GCSE themes including: My neighbourhood, Travel and tourism.

#### Paper: 3

Reading and understanding in Spanish:

Section A: Reading comprehension - 9 questions

Section B: Question 10: Translation – 5 sentences from Spanish to English

Covering all the GCSE themes including: My neighbourhood, Travel and tourism.

#### Paper: 4

Writing in Spanish:

Question 1: write 4 short sentences to describe a photograph

Question 2a or 2b: write 40 -50 words covering 3 compulsory bullet points (opinion and future tense) Question 3a or 3b: write 80-90 words covering 4 compulsory bullet points (opinion, past and future tenses)

Question 4: Translate 5 sentences into Spanish

Only using themes covered this year.

## Subject: Computer Science

## Paper: 1 – J277/01

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1.1 Systems architecture
1.2 Memory and storage
1.3 Computer networks, connections and protocols
1.4 Network security
1.5 Systems software
1.6 Ethical, legal, cultural and environmental impacts of digital technology
Written paper – 90 mins 50% of total GCSE 80 marks
Non-calculator paper
All questions are mandatory
This paper consists of multiple-choice questions, short response questions and extended response questions.

## Paper 2: J277/02: Computational thinking, algorithms and programming

2.1 Algorithms
2.2 Programming fundamentals
2.3 Producing robust programs
2.4 Boolean logic
2.5 Programming languages and integrated Development Environments
Written paper – 90 mins 50% of total GCSE 80 marks
Non calculator paper
All questions are mandatory
In Section B, questions assessing students' ability to write or refine algorithms must be answered
using either the OCR Exam Reference Language or the high-level programming language they are
familiar with.

#### Subject: Digital Information Technology

#### Component 3: Effective Digital Working Practices/Background knowledge

- Modern technologies
- Impact of modern technologies
- Cyber security
- Threats to data
- Prevention and management of threats to data
- Policy
- The wider implications of digital systems
- Responsible use
- Legal and ethical use of technology
- Forms of notation

## NEA

# Component 1: Exploring User Interface Design Principles and Project Planning Techniques

Learners will develop their understanding of what makes an effective user interface and how to effectively manage a project. They will use this understanding to plan, design and create a user interface

## **Component 2: Collecting, Presenting and Interpreting Data**

Learners will understand the characteristics of data and information and how they help organisations in decision making. They will use data manipulation methods to create a dashboard to present and draw conclusions from information.

## Subject: History

## Paper: 1 – America 1919 - 1973

## Topic Overview:

**American people and the 'Boom'** – mass production hire purchase, Ford, Republicans, Stock Market, Jazz, women, prohibition, immigration, KKK, Red Scare, Sacco and Vanzetti.

American's experience of the Depression and New Deal – Unemployment, Farmers, Hoover, Roosevelt's election, New Deal successes and limitations, opposition to the New Deal, popular culture, impact of World War Two, Lend Lease, African Americans and Women.

**Post – War America** – American Dream, McCarthyism, popular culture, Rock n Roll, teenagers, Civil Rights campaign, Segregation, MLK, Malcolm X, Black Power, Acts of 1964 and 68, Great Society, Kennedy and Johnson, Feminist movement, Roe vs Wade and ERA.

## Paper: 1 – Interwar 1919 - 39

## Topic Overview:

**Peacemaking** – Armistice, Fourteen Points, aims of Wilson, Lloyd George and Clemenceau, terms of the Treaty of Versailles, Diktat, reactions of the allies, treaties with other countries.

**The League of Nations** – Formation and Covenant, powers, contribution to peace in 1920s, success and failures, treaties outside of the league, effects of the Depression, Manchuria, and Abyssinia **The origins and outbreak of World War Two** – Hitler's aims, Stresa Front, remilitarisation of the Rhineland, reasons for and against appeasement, Nazi-SovietPact, invasion of Poland, responsibility for the war including Hitler, Stalin, and Chamberlain.

## Paper: 2 – Medicine 1000AD - Today

## Topic Overview:

**Medicine stands still** – Hippocrates and Galen, contribution of Christianity, hospitals, Islamic medicine, public health in towns and monasteries and the Black death, its causes, treatment, and prevention.

**The beginnings of change** – Renaissance, Vesalius, Pare, William Harvey, quackery, plague, growth of hospitals, John Hunter, Edward Jenner, and vaccination.

**A revolution in medicine** – Germ Theory, Pasteur, Robert Koch, Magic Bullets, Simpson and chloroform, Lister and carbolic acid, aseptic surgery, cholera epidemics, public health acts. **Modern medicine** – Fleming and penicillin, X-Rays, plastic surgery, Beveridge, NHS, Liberal Reforms.

## Paper: 2 - Elizabeth 1558 - 1603

## Topic Overview:

**Elizabeth's court and Parliament** – Background and character, court life, difficulties of a female ruler, strength of her authority at end of her reign with Essex rebellion 1601.

**Life in Elizabethan times** – Golden Age, fashion, theatre, poor, attitudes and responses to poverty, Hawkins and Drake, the role of Raleigh.

**Troubles at home and abroad** – Northern Rebellion, Catholic plots, Puritans and their ideas, Mary Queen of Scots, conflict with Spain and the Spanish Armada.

**Historical Environment** – Hardwick Hall, aspects of site location, function, structure, and consequences for its owners.

#### Subject: I-Media

#### Paper 1: R093: Creative IMedia in the media industry

- Media industry sectors and products, Job roles in the media industry.
- How style, content and layout are linked to the purpose, Client requirements and how they are defined, Audience demographics and segmentation, Research methods, sources and types of data, Media codes used to convey meaning, create impact and/or engage audiences.
- Work planning, Documents used to support ideas generation, Documents used to design and plan media products, Legal considerations to protect individuals, intellectual property rights, Regulation, certification, and classification, Health and safety.
- Distribution platforms and media to reach audiences, Properties and formats of media files, image files, Audio Files, Moving image Files, File compression

90 min written examination 70 marks

Part A – includes closed response, multiple choice and short answer questions Part B – includes closed response, short answers and three extended response questions,

#### NEA:

## R094: Visual identity and digital graphics

Identity is a vital component of any business, product or brand. A visual identity communicates values and core principles to the consumer, user or customer. It makes a brand recognisable and helps sell a product or idea to a target audience. Logos, shapes, typography, colour theory and composition are all used to generate visual identities which work across different platforms and media, and user interface and experience are key considerations in the design process. In this unit you will learn how to develop visual identities for clients. You will also learn to apply the concepts of graphic design to create original digital graphics which incorporate your visual identity to engage a target audience. Completing this unit will introduce the foundations for further study or a wide range of job roles within the media industry.

### R097: Interactive digital media

Interactive digital media products are found across the media industry, in games, websites and apps, learning and knowledge-based systems, simulations and in commerce. At the heart of digital media products is a fusion of media rich content including text, images, sounds, video and animation. This content is combined with UX and UI design to create an immersive and engaging environment which can promote, educate, entertain, inform or influence.

In this unit you will learn to design and create interactive digital media products for chosen platforms. You will learn to select, edit and repurpose multimedia content of different kinds and create the structure and interactive elements necessary for an effective user experience. Completing this unit will provide you with the basic skills for further study or a range of creative and technical job roles within the media industry.