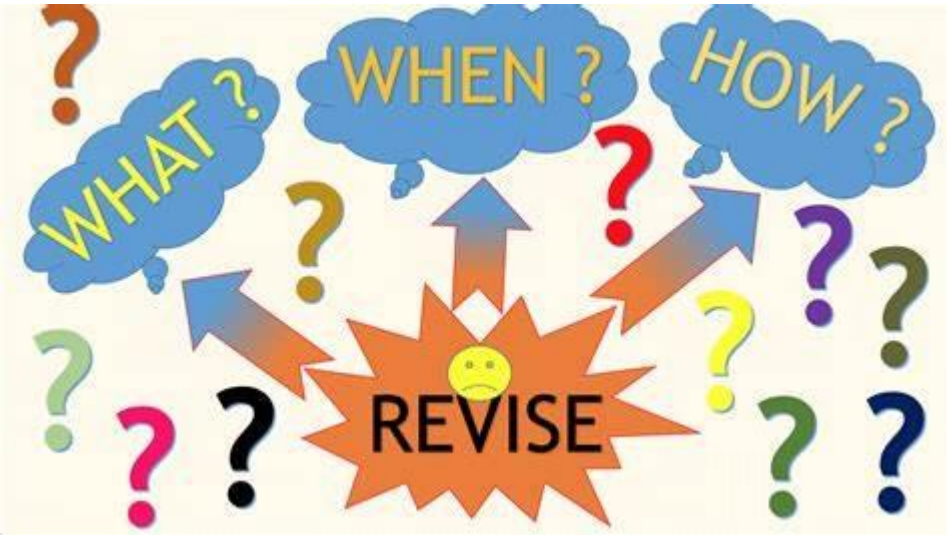
SUBJECT SUMMARY BOOKLET

YEAR 11 – 2025



Subject Topic/Specification Summary

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 Topic/Specification Summary

Subject: History

Paper: 1 – Germany 1890 - 1945

Topic Overview:
Germany and the growth of Democracy – Kaiser Wilhelm II, Navy laws, Impact of World War One, unrest such as Spartacists, Kapp Putsch and Munich Putsch.
Germany and the Depression – Growth in support of the Nazis, role of SA, Hitler's appeal, the failure of Weimar democracy, role of Papen and Hindenburg, Reichstag Fire, Enabling Act, Rohm, and the Night of the Long Knives.
The experiences of Germans under the Nazis – Economic changes, self-sufficiency, social policy for women, children, education, youth groups, the Final Solution, Goebbels, the police state, role of SS and Gestapo, July Bomb Plot.

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-Soviet Pact, 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 Topic/Specification Summary

Subject: Sociology Eduqas

Paper: 1 – Understanding social processes

Topic Overview: Key concepts and cultural transmission

- Key sociological concepts
- Nature/nurture debate on acquiring identity
- Process of socialisation

Paper: 1 – Understanding social processes

Topic Overview: Families & Households

- Family diversity and different family forms in the UK (within a global context)
- Social changes and family structures
- Social changes and family relationships
- Sociological theories of the role of the family
- Criticisms of the family

Paper: 1 – Understanding social processes

Topic Overview: Education

- Sociological theories of the role of education
- Processes and factors affecting educational achievement (inside and outside of school)
- Patterns of educational achievement (by gender, class, and ethnicity)

Paper: 1 – Understanding social processes

Topic Overview: Research Methods

- Usefulness of different types of data (primary/secondary/qualitative/quantitative)
- Methods of research
- Sampling processes
- Practical, Ethical and Theoretical issues affecting research

Paper: 2 – Understanding social structures

Topic Overview: Social stratification

- Sociological theories of stratification
- Different forms of power and authority
- Equality/inequality in relation to; class, gender, ethnicity, disability, age and sexuality
- Factors influencing life chances and power
- Poverty as a social issue

Paper: 2 – Understanding social structures

Topic Overview: Crime and Deviance

- Social construction of crime and deviance
- Social control
- Patterns of criminal and deviant behaviour
- Sociological theories and explanations of crime and deviance
- Sources of data on crime

Paper: 2 – Understanding social structures

Topic Overview: Applied methods

- The process of research design
- Interpreting data

Subject: Design & Technology

Topic Overview: **New and Emerging Technologies**

Advancements in technology continually influence product design and manufacturing. Understanding how companies adopt new technologies to enhance efficiency, reduce costs, and improve products is crucial.

This includes exploring automation, robotics, and innovative materials that impact both industry practices and societal needs. For example, the integration of smart technologies in everyday products demonstrates the evolving relationship between technology and user experience.

Topic Overview: **Energy Generation and Storage**

The methods by which energy is produced and stored have significant implications for environmental sustainability and product design. Students should grasp the differences between renewable and non-renewable energy sources, such as solar, wind, and fossil fuels, and their respective environmental impacts.

Additionally, understanding energy storage solutions, like batteries and capacitors, is essential for designing products that are both efficient and environmentally friendly.

Topic Overview: **Material Categories and Properties**

A comprehensive understanding of various materials—such as metals, polymers, textiles, and timbers—is fundamental in D&T. Each material category possesses unique physical and working properties that influence their suitability for different applications.

For instance, metals like aluminium are lightweight and corrosion-resistant, making them ideal for aircraft structures, while polymers like polypropylene are used in packaging due to their flexibility and durability.

Topic Overview: **Characteristics and Properties of Timbers**

Timbers are categorized into hardwoods and softwoods, each with distinct characteristics. Hardwoods, sourced from deciduous trees, are typically denser and more durable, making them suitable for high-quality furniture and flooring.

Softwoods, from coniferous trees, grow faster and are often used in construction and paper products. Manufactured boards, such as plywood and MDF, are engineered from wood fibres or veneers, offering versatility and cost-effectiveness for various applications.

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 Topic/Specification Summary

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 Topic/Specification Summary

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

Topic Overview: Performance Exam

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

This is two performances to a visiting examiner.

The lines are to be learnt at home.

Paper/Component 3

Topic Overview: Written Exam in two sections

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.

Subject Topic/Specification Summary

Subject: Music

Paper: Listening & Analysis

Topic Overview:

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

- Concerto through Time
  - Baroque, Classical, Romantic
- Rhythms of the World
  - Middle East, Asian, African, Caribbean
- Film Music
- Conventions of Pop
  - Rock 'n' Roll
  - Rock Anthems
  - Pop Ballads
  - 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)
- Difficully (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 Topic/Specification Summary

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 Topic/Specification Summary

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 Topic/Specification Summary

Subject: Media Studies

Paper: 1 Television and Promoting Media

Topic Overview:

Section A: Television

Set Text(s): Vigil (Season 1, Episode 1), The Avengers (Season 4, Episode 2 "The Gravediggers")

Section B: Promoting Media

Film, Advertising (TV and Print) and Video Games

Set Text: The Lego Movie

Paper: 2 Music and News

Topic Overview:

Section A: Music

Students will be assessed on two of the three media forms throughout Section A.

Magazines (Set Text: MOJO)

Radio (Set Text: BBC Radio 1 Live Lounge)

Music Videos (Set Texts: Avril Lavigne "Sk8er Boi" and Wheatus "Teenage Dirtbag")

Section B: News

Print, Online and Social Media

Subject Topic/Specification Summary

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

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 Topic/Specification Summary

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

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

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 Topic/Specification Summary

Subject: Sports Science

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

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

Subject Topic/Specification Summary

Subject: Maths

Paper: 1

Topic Overview:

Non – Calculator

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

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.

Subject Topic/Specification Summary

Subject: Spanish

Paper: 1

Topic Overview:

Paper 1 Listening Themes 1-5

Theme 1 – Identity and Culture
Theme 2 – Local area, Holiday and travel
Theme 3 – School
Theme 4 – Future aspirations, study and work
Theme 5 – International and global dimension

Paper: 2

Topic Overview:

Paper 2 Speaking Themes 1 -4 (Theme 5 already chosen for Conversation 1 with a 1-minute introduction)

Theme 1 – Identity and Culture
Theme 2 – Local area, Holiday and travel
Theme 3 – School
Theme 4 – Future aspirations, study and work
Theme 5 – International and global dimension

Paper: 3

Topic Overview:

Paper 3 Reading Themes 1-5

Theme 1 – Identity and Culture
Theme 2 – Local area, Holiday and travel
Theme 3 – School
Theme 4 – Future aspirations, study and work
Theme 5 – International and global dimension

Paper: 4

Topic Overview:

Paper4 Writing Themes 1-5

Theme 1 – Identity and Culture
Theme 2 – Local area, Holiday and travel
Theme 3 – School
Theme 4 – Future aspirations, study and work
Theme 5 – International and global dimension

Subject Topic/Specification Summary

Subject: Computer Science

Paper: 1

Topic Overview:

Architecture of the CPU, CPU Performance, Embedded Systems.

Primary storage memory, Secondary storage, Units, Data Storage, Compression, Networks and topologies.

Wired and wireless networks, protocols and layers, Threats to computer systems and networks, identifying and preventing vulnerabilities.

Operating systems, Utility software, Ethical, legal, cultural and environmental impact.

Paper: 2

Topic Overview:

Computational thinking designing crating and refining algorithms, searching and sorting algorithms.

Programming fundamentals, data types, Additional programming techniques.

Defensive design considerations, testing,

Boolean logic, languages, the integrated development environment

Subject Topic/Specification Summary

Subject: Creative Imedia

Paper: 1

Topic Overview:

The Media Industry – Media Industry sectors and products, job roles in the media.

Factors influencing product design – 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

Pre-Production Planning – Work planning, documents used to support ideas generation, documents used to design and plan media products, the legal issues that affect media.

Distribution considerations – Distribution platforms and media to reach audiences, properties and formats of media files, image, audio, moving image and file compression.