

# Subject Topic Lists

- to aid parents when helping pupils map out revision plans for independent revision at home

## GCSE Mathematics (OCR)

- Number
- Algebra
- Ratio, Proportion & Rates of Change
- Geometry & Measures
- Probability
- Statistics

## GCSE English Language (AQA)

- Paper 1: Explorations in Creative Reading and Writing
  - -Fiction Reading + Writing to Describe/Narrate
- Paper 2: Writer's Viewpoints and Perspectives
- Non-Fiction Reading + Writing with a Viewpoint

## GCSE English Literature (AQA)

- Paper 1: Shakespeare and the 19<sup>th</sup> Century Novel
  - Macbeth
  - A Christmas Carol
- Paper 2: Modern Texts and Poetry
  - An Inspector Calls
  - Love and Relationships Poetry
  - Unseen Poetry

## GCSE Religious Studies (WJEC)

### Component 1: Foundational Catholic Theology

- Origins and Meaning
- Good and Evil
- **Component 2: Applied Catholic Theology**
- Life and Death
- Sin and Forgiveness
- **Component 3: Judaism**
- Jewish beliefs and teachings
- Jewish Practices

## **GCSE Combined Science (AQA – Trilogy)**

### **Biology:**

- Cell Biology
- Organisation
- Infection and Response
- Bioenergetics
- Homeostasis and Response
- Inheritance, Variation & Evolution
- Ecology

### **Chemistry:**

- Atomic Structure & the Periodic Table
- Bonding, Structure & Properties of Matter
- Quantitative Chemistry
- Chemical Changes
- Energy Changes
- The Rate and Extent of Chemical Change
- Organic Chemistry
- Chemical Analysis
- Chemistry of the Atmosphere
- Using Resources

### **Physics:**

- Energy
- Electricity
- Particle Model of Matter

- Atomic Structure
- Forces
- Waves
- Magnetism & Electromagnetism

### **GCSE Biology (AQA)**

- Cell Biology
- Organisation
- Infection and Response
- Bioenergetics
- Homeostasis and Response
- Inheritance, Variation & Evolution
- Ecology

### **GCSE Chemistry (AQA)**

- Atomic Structure & the Periodic Table
- Bonding, Structure & Properties of Matter
- Quantitative Chemistry
- Chemical Changes
- Energy Changes
- Rates of Reaction
- Organic Chemistry
- Chemical Analysis
- Chemistry of the Atmosphere
- Using Resources

### **GCSE Physics (AQA)**

- Energy
- Electricity
- Particle Model of Matter
- Atomic Structure

- Forces
- Waves
- Magnetism & Electromagnetism
- Space Physics

## **GCSE Geography (AQA)**

- Natural Hazards
- The Living World
- Physical Landscapes (Rivers / Coasts)
- Urban Issues and Challenges
- The Changing Economic World
- The Challenge of Resource Management
- Geographical Skills & Fieldwork

## **GCSE History (Edexcel / Pearson)**

### **Paper 1: Thematic Study and Historic Environment**

- Medicine in Britain, c1250–present

### **Paper 2: Period Study and British Depth Study**

- Anglo-Saxon and Norman England, c1060–88
- The American West, c1835–c1895

### **Paper 3: Modern Depth Study**

- Weimar and Nazi Germany, 1918–39

## **GCSE French (AQA)**

- Identity and Culture [Family and Relationships; Health and Lifestyle; Education and Work]
- Popular Culture [Free-Time activities; Celebrations, Customs and Festivals; Celebrity Culture]
- Communication and the work around us [Travel and Tourism; Media and Technology, The environment and where people live]

## **GCSE Food Preparation & Nutrition (AQA)**

- Food, Nutrition & Health
- Food Science
- Food Safety
- Food Choice
- Food Provenance
- Practical Cooking Skills

## **GCSE Music (OCR)**

### **Listening and Appraising – Areas of Study**

- The Concerto Through Time
- Rhythms of the World
- Film Music
- Conventions of Pop

## **GCSE Fine Art, Photography, Textile Design and Graphic Communication (AQA)**

The examination paper was released on January 2<sup>nd</sup>

- All students have chosen a question which is essentially a theme
- Students have 10-12 weeks to develop their theme in their sketchbooks. This is called examination preparation work. In order to do this, each student has been given an exam checklist which outlines weekly tasks and a set quantity of work with respect to the number of pages in their sketchbook that they should have completed each week, both in class and for homework.
- Students will also be working on their examination preparation work during the 'revision' sessions on Tuesday or Thursday after school. There will also be an opportunity during these times to finish any coursework.
- The dates of the final examination are TBC and we will advise in due course.

## **GCSE Product Design (AQA)**

- Core Technical Principles – Section A
- Specialist Technical Principles – focus on Timbers - Section B
- Designing & Making Principles – Section C

## **NCFE Level 1/2 Engineering**

- Engineering disciplines and H&S
- SI units and equations in Engineering
- Engineering drawings – CAD and hand drafted
- Materials and processes
- Tools, equipment and machinery
- Production planning techniques

## **GCSE Physical Education (AQA)**

### **Paper 1 – The Human Body and Movement in Physical Activity and Sport**

- Applied Anatomy and Physiology
- Movement Analysis
- Physical Training
- Use of Data

### **Paper 2 – Socio-Cultural Influences and Well-being in Physical Activity and Sport**

- Sports Psychology
- Socio-Cultural Influences
- Health, Fitness and Well-being
- Use of Data

## **BTEC Sport:**

### **Component 3:**

- Fitness for sports performance
- Fitness testing
- Training methods
- Fitness Programming

## **GCSE Computer Science (OCR)**

### **Computer Systems**

- Systems Architecture
- Memory and Storage
- Computer Networks, Connections and Protocols
- Network Security
- Systems Software
- Ethical, Legal, Cultural and Environmental Concerns

### **Computational Thinking, Algorithms and Programming**

- Algorithms
- Programming Techniques
- Producing Robust Programs
- Computational Logic
- Translators and Facilities of Languages
- Data Representation

## **BTEC Health and Social Care**

### **Component 3**

- Understanding life events and their impacts (physical, intellectual, emotional, social).
- Health indicators (e.g., fitness, diet, stress) and their meanings.
- Person-centered approaches to care.
- Barriers to health and well-being.
- Recommendations for improving health and well-being