



Aspire | Achieve | Thrive

# Revision List Year 10

## Mock Exam 1

# **Top 10 tips to support your child with revision**

- **Being a role model** - Help support them with revision by asking them questions, reading their notes and listening to them
- **Help them set goals** - Encourage them to keep their goals planner visible – e.g. printed and displayed on their bedroom wall. Help focus them and talk to them about their goals regularly
- **Keep them active** - Encourage them to keep active on a daily basis
- **Healthy eating** - Encourage them to eat breakfast everyday Eating the right food and drink can energise your system, improve alertness and sustain your child through the long exams
- **Time out** - Encourage them to build in opportunities to take some time out every week, away from study
- **Sleep patterns** - Young people need between 8 – 9 hours sleep per night
- **Unplugging** - Encourage them to unplug from technology everyday. Help them switch off from technology at least 30 mins- 1 hr before going to sleep
- **Staying cool & calm** - Promote a balance of their academic studies & other activities during the week
- **Belief** - Give them positive reinforcement
- **Be supportive**

# English

## Type of assessment

Mock exams: English Literature Paper 1; English Language Paper 1

## Length of assessment

2 exams of 1 hour and 45 minutes

- I can recall the plot of Macbeth.
- I can recall the themes in Macbeth.
- I can recall key quotations in Macbeth.
- I can recall key characters in Macbeth.
- I can recall the key context of Macbeth.
- I can recall the plot of A Christmas Carol.
- I can recall the themes in A Christmas Carol.
- I can recall key quotations in A Christmas Carol.
- I can recall key characters in A Christmas Carol.
- I can recall the key context of A Christmas Carol.
- I can recall the skills required for the language paper
- I can memorise my exam-ready story opening and apply it to different ideas

# Maths FOUNDATION

## Type of assessment

Full GCSE Exam Series (P1 Non Calc, P2 Calc, P3 Calc)

## Length of assessment

3 x 90 min papers

- Place Value
- Identifying factors and multiples
- Rounding to decimal places and significant figures
- Ordering positive and negative numbers
- Finding prime factors, Lowest common multiples and highest common factors
- Converting between fractions, decimals and percentages
- Adding, subtracting, multiplying and dividing fractions
- Finding fractions of amounts
- Finding equivalent fractions
- Adding, subtracting, multiplying and dividing decimals
- Finding percentages of amounts, percentage increase, percentage decrease and percentage change
- Calculating with money
- Converting between currencies
- Using a calculator
- Finding squares, cubes and roots
- Sharing in a ratio
- Scaling up recipes
- Finding combinations

- Finding error intervals
- Working with standard index form
- Converting units of measure
- Converting units of time and working with timetables
- Working with map scales
- Identifying different types of angle
- Identifying 2D and 3D shapes
- Finding the area of 2D shapes
- Working with coordinates
- Finding angles in triangles, on straight lines, on points and in parallel lines
- Finding interior and exterior angle of polygons
- Finding Speed/Distance/Time
- Working with distance/time graphs
- Finding Density/Mass/Volume
- Finding the surface area and volume of prisms
- Working with column vectors
- Using trigonometry in right-angled triangles
- Finding loci
- Working with bearings
- Simplifying expressions
- Writing expressions
- Solving equations
- Using function machines
- Substituting into a formula
- Working with inequalities
- Plotting quadratic graphs

- Working with linear graphs
- Working with linear sequences
- Working with Fibonacci sequences
- Expanding single and double brackets
- Changing the subject of a formula
- Factorising expressions
- Solving simultaneous equations
- Reading and completing two way tables
- Reading and completing bar charts
- Reading and completing stem and leaf diagrams
- Using probability scales and finding probabilities
- Finding mean/mode/median/range from a list and table
- Drawing pie charts
- Working with frequency trees
- Drawing frequency polygons

# Maths HIGHER

## Type of assessment

Full GCSE Exam Series (P1 Non Calc, P2 Calc, P3 Calc)

## Length of assessment

3 x 90 min papers

- Finding prime factors, Lowest common multiples and highest common factors
- Finding fractions of amounts
- Sharing in a ratio
- Using a calculator
- Working with standard index form
- Finding and calculating with error intervals
- Converting recurring decimals into fractions
- Using index laws
- Finding percentage profit
- Finding the original amount before a percentage increase/decrease (reverse percentages)
- Finding the number of combinations of an event
- Converting between currencies
- Working with surds
- Working with direct and inverse proportion algebraically
- Finding interior and exterior angle of polygons
- Transformations of shapes
- Finding the area of 2D shapes
- Working with similar shapes in 2D and 3D

- Finding the volume of cones and cylinders
- Using trigonometry in right-angled triangles in 2D and 3D
- Using trigonometry in non right-angled triangles
- Finding loci
- Finding Speed/Distance/Time
- Finding Density/Mass/Volume
- Working with Circle Theorems
- Finding vectors
- Solving linear equations and inequalities
- Changing the subject of a formula
- Simplifying expressions
- Working with linear graphs
- Plotting quadratic graphs
- Expanding three brackets
- Working with function notation
- Using iterative processes
- Solving simultaneous equations
- Working with graphs of circles
- Working with reciprocal graphs
- Finding the gradient of a curve and the area under a curve
- Proving algebraically
- Working with probability
- Working with histograms
- Working with tree diagrams
- Drawing venn diagrams
- Drawing box plots
- Working with the mean

# Science COMBINED

## Type of assessment

Mock paper 1 - one for biology, chemistry and physics.  
A full PLC will be given to students to use for their revision

## Length of assessment

1 hr 15 mins each

- Biology: Cells, organs and tissues
- Biology: Cell transport
- Biology: Communicable and noncommunicable diseases
- Biology: Body systems - digestive system
- Biology: Body systems - circulatory system
- Biology: Enzymes
- Biology: Respiration (aerobic and anaerobic)
- Biology: Photosynthesis
- Chemistry: Atomic structure
- Chemistry: Periodic table and its history
- Chemistry: properties of group 1, 0 and 7 elements
- Chemistry: Ionic bonding and ionic properties
- Chemistry: Covalent bonding and covalent properties
- Chemistry: Metallic bonding and metallic properties
- Chemistry: Acids and alkalis
- Chemistry: Electrolysis
- Chemistry: Extracting metals
- Chemistry: Reactivity of metals
- Chemistry: Exothermic and endothermic reactions

- **Physics: Energy stores and transfers**
- **Physics: Energy resources (renewable and non-renewable)**
- **Physics: Electric circuits**
- **Physics: Resistance in circuits**
- **Physics: National grid and electricity in our homes**
- **Physics: Particle model of matter**
- **Physics: Atoms and isotopes**
- **Physics: Properties of radioactive substances**

# Science Triple

## Type of assessment

Mock paper 1 - one for biology, chemistry and physics.  
A full PLC will be given to students to use for their revision

## Length of assessment

1 hr 45 min per paper

- Biology: Cells, organs and tissues
- Biology: Cell transport
- Biology: Communicable and noncommunicable diseases
- Biology: Body systems - digestive system
- Biology: Body systems - circulatory system
- Biology: Enzymes
- Biology: Respiration (aerobic and anaerobic)
- Biology: Photosynthesis
- Biology: Monoclonal antibodies
- Chemistry: Atomic structure
- Chemistry: Transition metals
- Chemistry: Nanoparticles and bulk materials
- Chemistry: Relative atomic mass, moles, yield and concentration
- Chemistry: Periodic table and its history
- Chemistry: Fuel cells
- Chemistry: Properties of group 1, 0 and 7 elements
- Chemistry: Ionic bonding and ionic properties
- Chemistry: Covalent bonding and covalent properties
- Chemistry: Metallic bonding and metallic properties

- Chemistry: Acids and alkalis
- Chemistry: Electrolysis
- Chemistry: Extracting metals
- Chemistry: Reactivity of metals
- Chemistry: Exothermic and endothermic reactions
- Physics: Energy stores and transfers
- Physics: Energy resources (renewable and non-renewable)
- Physics: Electric circuits
- Physics: Resistance in circuits
- Physics: National grid and electricity in our homes
- Physics: Particle model of matter
- Physics: Atoms and isotopes
- Physics: Properties of radioactive substances
- Physics: Fission and Fusion
- Physics: Static electricity

# History

## Type of assessment

Paper 1 GCSE Edexcel

## Length of assessment

90 minutes

- Nature and causes of crime from 1000-2000
- Local communities Law Enforcement - Tithings/ Hue and Cry / sheriff
- Role of the church - Sanctuary / Trial by Ordeal / Benefit of clergy
- Law Enforcement 1500-1700
- Development of the Police force 1700-1900
- Changes to policing 1900 to 2000
- Whitechapel
- Punishments 1000-2000

# Geography

## Type of assessment

MOCK Exam Paper 1 (Physical Geography)

## Length of assessment

1 hour 30 mins

- Tectonic Hazards
- Weather Hazards
- Ecosystems
- Tropical Rainforests
- Cold Environments
- Coasts
- Rivers

# French

## Type of assessment

Mock reading, listening, writing and speaking papers

## Length of assessment

3 papers in exam conditions + speaking in class

- All Vocab will be on google Classroom + Y9 vocab for revision
- Term 1: Family, friends, free time
- Term 2: School + Healthy living
- Term 3: Holidays

# Spanish

## **Type of assessment**

Mock reading, listening, writing and speaking papers

## **Length of assessment**

3 papers in exam conditions + speaking in class

- All Vocab will be on google Classroom + Y9 vocab for revision
- Module 1: My identity
- Module 2: My family & friends
- Module 3: School
- Module 4: Home and Local area

# Art

## **Type of assessment**

Practical mock exams

## **Length of assessment**

5 hours

- Artwork based on your current project

# Computer Science

## Type of assessment

MOCK Exam based on past-paper style questions

## Length of assessment

Paper 1 (90 minutes)

Paper 2 (60 minutes)

- 1.1.1 I can describe the architecture of the CPU.
- 1.1.2 I can describe the factors that affect the performance of a CPU
- 1.1.3 I can describe what an embedded system is and identify examples of embedded systems.
- 1.2.1 I can explain the need for Primary Storage (RAM, ROM, Virtual Memory) and describe its purpose.
- 1.2.2 I can explain the need for Secondary Storage, recall the types of storage (Optical, Magnetic and Solid State) and describe characteristics of secondary storage
- 1.2.3 I can understand the units of data storage and how to calculate data capacity requirements
- 1.2.4 I can describe denary, binary and hexadecimal numbers and can convert between them. I can perform binary addition and binary shift calculations.
- 1.2.4 I can describe how character sets are stored in computer systems as binary codes.
- 1.2.4 I can describe how images are stored in computer systems and describe factors that affect the quality and size of digital images.
- 1.2.4 I can describe how sound can be sampled and stored in digital form. I can explain the impact of sample rate, duration and bit depth on playback quality and the size of a sound file.

- 1.2.5 I can describe the need for compression and explain the function of lossy and lossless compression techniques.
- 1.3.1 I can describe the purpose and function of networks, including Local Area Networks (LAN) and Wide Area Networks (WAN). I can describe the function of Star and Mesh network topologies..
- 1.3.2 I can explain the purpose and function of Wired and Wireless networks, the use of protocols and the concept of network layers.
- 1.4 I can identify the threats posed to computer systems and the methods used to remove vulnerabilities.
- 1.5.1 I can describe the purpose and function of operating systems.
- 1.5.2 I can describe the purpose and function of Utility Software
- 1.6.1 I can discuss the impacts of digital technology on wider society including Ethical, Legal, Cultural, Environmental and Privacy issues.
- 1.6.1 I can describe relevant legislation in relation to Computer Science.
- 2.1.1 I can describe the principles of Computational Thinking: Abstraction, Decomposition and Algorithmic Thinking. I can explain how they are used to define and refine problems.
- 2.1.2 I can identify inputs, processes and outputs for a problem.
- 2.1.2 I can produce simple diagrams to show the structure of a problem (Structure Diagrams)
- 2.1.2 I can create, interpret, correct, complete and refine algorithms using Pseudocode, Flowcharts and a High-Level Programming Language (eg. Python)
- 2.1.3 Your understanding of searching and sorting algorithms will not be assessed in this examination.

- **2.2.1 I can make use of the following programming fundamentals when writing computer programs:**
  - Variables, constants, operators, input, output and assignment.
  - Selection
  - Iteration
  - Arithmetic and Boolean Operators
  - Use of data types
  - Arrays
  - Subprograms
- **2.2.2 I can select and use suitable data types in a High-Level Programming Language (eg Python). I can identify and explain the following data types: Integer, Real (Float), Boolean, Character, String, Boolean.**

# Drama

## Type of assessment

Mock Comp 2 Assessment - Devising a unique short play from a stimulus

## Length of assessment

Two lessons

- I can devise drama from stimulus
- I can prepare improvisation
- I can spontaneously improvise
- I can perform a range of different characters
- I can use drama techniques to enhance my performance
- I understand how semiotics impact performance
- I can work with a range of others
- I can work in a range of performance styles
- I can create script
- I can evaluate the work of self and others
- I can describe a range of genres
- I can discuss a range of staging formats
- I can show character through vocal acting skills
- I can show character through physical acting skills

# Food tech/catering

## Type of assessment

Full paper for Unit 1 (80 marks) Unit 2 = 2 hour practical exam to prepare, cook and present the dish to restaurant standards

## Length of assessment

90 minute theory exam 120 minute practical assessment

- Commercial and non-commercial establishments
- Food service method e.g. fast food, buffet, family style, takeaway, silver service etc
- Food service method
- Job roles, responsibilities, personal attributes and contract types of a receptionist
- Dress code for front of house staff
- Why people want environmentally and sustainable hotels
- Ways to make hotel rooms more environmentally sustainable
- Provisions for different customer needs
- Vegan and vegetarian options on a menu
- Large kitchen equipment and uses
- Accident forms
- Prevention of accidents in the future
- HACCP
- Food poisoning bacteria with visible and invisible symptoms
- Job responsibilities of the EHO
- Control points to prevent poor staff hygiene in a catering establishment
- To cook the dish correctly using high skills
- To wash and clean your area to a high standard
- To complete the special points in a time plan

# Business

## Type of assessment

Theme 1 Paper - includes extended writing questions and case studies

## Length of assessment

1 hour 45 mins

- Reward
- Market Share
- Unique Selling Point
- Trade Credit
- Secondary Market Research
- Variable Costs
- Net Cash Flow Calculation
- Partnership
- Marketing Mix / Consumer Needs
- Sole Trader
- % change in Calculation
- New Business Ideas
- Market Mapping
- Increased Competition
- Importance of Cash
- Social Media around business and customers
- Selling Price Calculation
- Profit Calculation
- Reducing Costs / Breaking Even

- **Market Segment**
- **Increase in Value of Pound (Exchange Rates)**
- **Shop opening V E-commerce**
- **Stakeholder**
- **Business Plan**
- **Digital Payment System V Online Meetings**
- **Competing with Large Manufacturers**

# Photography

## Type of assessment

Practical mock exam

## Length of assessment

5 hours

- Creating final outcome based upon current coursework topic

# Media

## Type of assessment

Practical mock exam

## Length of assessment

5 hours

- Considered and careful framing to create meaning, stable image, smooth camera movements
- Vary shot types and angles to create meaning, considered use of setting and props, lighting techniques
- Clear sound quality and noise reduction
- Experimenting with different editing techniques through rough edits
- Edit, combine, refine content
- Transitions and titles used effectively
- Imaginative sequencing, cutaways, eyeline matches, motion graphics, visual effects
- Testing and exporting video, review and refine work

