




## Year 10 Summer Mock Examinations information 2024-25

In addition to the Knowledge organisers that are hyperlinked for each subject, staff will also be setting revision tasks on Go4Schools. Some of these tasks will be set on the online learning platforms we subscribe to on student's behalf. The logon details are below, and it is possible to reset passwords for each site using students school email account. If your child has any problems, please ask them to contact Mr Bird, [daniel.bird@csschool.co.uk](mailto:daniel.bird@csschool.co.uk).

	Username: firstname.surname Password: username
	Username: firstname.surname@csschool.co.uk Password: seneca2020
	Username: firstname.surname@csschool.co.uk Password: Stretton2021

## English language

- English Language Paper 2
- Section A: reading; Section B: Non-fiction writing.

## English Literature, Paper 1, Section A

- Macbeth

### Characters:

- Macbeth
- Lady Macbeth
- The Witches

### Themes:

- Good vs Evil
- Ambition
- Tragic Hero
- The Supernatural

# Maths

## HIGHER

### Algebra

- Drawing a quadratic graph
- Expanding brackets
- Factorising expressions
- Forming and solving equations
- Indices rules
- Inequalities
- Re-arranging formula
- Solving equations graphically
- Solving quadratic equations
- Substitution

### Number

- Arithmetic with decimals
- Calculator use
- Fraction and percentage of an amount
- Indices rules
- Number properties
- Repeated percentage change
- Reverse percentages
- Standard form

### Ratio & Proportion

- Best buys
- Combining ratios
- Direct and inverse proportion
- Gradient
- Sharing in a ratio

### Geometry & Measures

- Angles in polygons
- Area of common polygons
- Compound measures - speed
- Pythagoras' theorem
- Surface area of prisms

### Statistics

- Averages from frequency tables

### Probability

- AND rule
- Calculating probability
- OR rule

# Maths

## FOUNDATION

### Algebra

- Expand brackets
- Factorise expressions
- Sequences
- Simplify expressions
- Solve linear equations
- Substitution

### Number

- Arithmetic with fractions
- Calculating energy usage bills
- Calculator use
- Equivalent calculations
- Equivalent FDP
- Estimation
- Fraction and percentage of an amount
- Money
- Number properties
- Order FDP
- Percentage increase/decrease
- Place value
- Reverse percentages
- Rounding
- Temperature

### Ratio & Proportion

- Best buys
- Recipes
- Sharing in a ratio

### Geometry & Measures

- Angle facts
- Angles in polygons
- Area of common polygons
- Bearings and scale
- Compound measures – speed
- Metric conversions
- Properties of 2D and 3D shapes
- Reflection
- Symmetry

### **Statistics**

- Averages
- Bar charts
- Frequency polygons
- Frequency trees
- Pictograms
- Stem & leaf diagram
- Two way tables

### **Probability**

- Calculating probability
- On a number line

## Science

### Combined Biology / Separate Biology

- [CB1/SB1](#) Key concepts in Biology
- [CB2/SB2](#) Cells and control
- [CB3/SB3](#) Genetics
- [CB4/SB4](#) Natural selection and genetic modification

### Combined Chemistry / Separate Chemistry

- [CC1/SC1](#) States of matter
- [CC2/SC2](#) Methods of separating and purifying substances
- [CC3/SC3](#) Atomic structure
- [CC4/SC4](#) The periodic table
- [CC5/SC5](#) Ionic bonding
- [CC6/SC6](#) Covalent bonding
- [CC7/SC7](#) Types of substance
- [CC9/SC9](#) Calculations involving masses

### Combined Physics / Separate Physics

- [CP1/SP1](#) Motion
- [CP2/SP2](#) Forces and motion
- [CP3/SP3](#) Conservation of energy
- [CP4/SP4](#) Waves
- [CP5/SP5](#) Light and the electromagnetic spectrum

## Child Development

- Factors affecting pre-conception health for women and men
- Other factors affecting pre-conception health for women
- Types of contraception and their advantage and disadvantages
- The structure and function of the reproductive system
- How reproduction takes place
- The signs and symptoms of pregnancy
- Antenatal care and preparation for birth
- Postnatal checks, postnatal care and the conditions for development
- Childhood illnesses and a child safe environment

## Design Technology

- Industry and enterprise
- Robotics and automation in the workplace
- Sustainability and the environment
- Anthropometrics and ergonomics
- People culture and society
- Design principles from the NEA  
(researching/specification/ideas/development/prototyping)
- Specialist technical area (one from timber/metal/polymer/textile)

## Drama

### Section A – Blood Brothers

The contexts of the performance text including:

- social
- historical
- cultural

The characteristics of the performance text including:

- characters
- theatrical setting

How meaning is communicated through:

- the use of performance space and spatial relationships on stage
- the relationship between performers and audience
- the design of set, props, costume, lighting, and sound
- an actor's vocal and physical interpretation of character
- the use of performance conventions

Acting skills including:

- characterisation.
- Vocal techniques an actor might use to communicate a role.
- Communication through physicality and the use of body language, facial expression, and gesture.

The use of semiotics / symbolism

The development of character through the creation and use of:

- costume
- hair and makeup.



## Food preparation and nutrition

### Food science

- Heat transference,
- Proteins,
- Carbohydrates,
- Fats/oils,
- Enzymic browning,
- Oxidisation and raising agents,
- Caramelisation,
- Denaturation,
- Coagulation,
- Emulsification

### Food hygiene and safety

- Storage,
- Provenance,
- Buying and storing food
- Food Choice
- Food and the environment
- Food production
- Bacteria and pathogens,
- Contamination

### Nutrition

- Macro/micronutrients,
- Fats,
- Carbohydrates,
- Vitamins and minerals

## French

You should revise the following topics:

- Personal Information, Family and Friends
- Leisure Activities
- Festivals & Family Celebrations
- Daily Routine
- Shopping for clothes
- My Region

There will be guided tasks on Seneca and AQA GCSE French Bitesize set for you to support you with your revision.

## Geography

- Natural Hazards (tectonics only)
- Coasts
- Changing Urban Environments
- Resources (Food only)

## Geology

- 1-1-minerals
- 1-2-igneous-rocks-and-processes
- 1-3-sedimentary-rocks-and-their-fossil-content
- 1-4-metamorphic-rocks-and-processes
- 1-5-deformational-structures
- 2-1-the-rock-cycle
- 2-2-plate-tectonics
- 2-3-geochronological-principles (and mapwork)

## History

### **Medicine Through Time 1250-Modern day**

- Medieval Medicine 1250-1500
- Renaissance Medicine 1500-1700
- Early Modern 1700-1900
- Modern Medicine 1900-today
- Medicine on the Western Front

### **Henry VIII and his ministers 1509-40**

- Wolsey
- Cromwell

## RPE

### Christianity

- Practices
- Beliefs

### Judaism

- Practices
- Beliefs

## Music

### AoS 1: Western Classical Music to 1910

- Oratorios and Coronation Marches of Handel
- Symphonies or Concertos of Mozart, Haydn or Beethoven
- Romantic Piano Music (Chopin or Schumann)

### AoS 2: Popular Music

- Film Music 1990 -
- Broadway Musicals 1950-1990
- Romantic Piano Music (Chopin or Schuman)
- Rock Music

### AoS 3: Traditional Music

- 12 Bar Blues
- Folk Songs from Britain

### AoS 4: Western Classical Tradition since 1910

- Minimalism