Scott

Scott Medical and Healthcare College

Care to learn
Learn to care

Revision List
Year 10

Mock Exams 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

Biology

Type of assessment

Biology Mock paper 1 - Foundation or Higher
A full PLC will be given to students to use for their revision

Length of assessment

1hr45min

- 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

Type of assessment

Chemistry Mock paper 1 - Foundation or Higher
A full PLC will be given to students to use for their revision

Length of assessment

1hr45min

- 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

Type of assessment

Physics Mock paper 1 - Foundation or Higher
A full PLC will be given to students to use for their revision

Length of assessment

1hr45min

- 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 Medicine

Length of assessment

90 minutes

- Causes of Illness and disease 1250-1500
- Cures and treatments 1250-1500
- Who looked after the sick 1250-1500
- Causes of illness and disease1500-1700
- Cures and treatments 1500-1700
- Who looked after the sick 1500-1700
- Causes and cures 1700-1900
- Cures and treatments 1700-1900
- Who looked after the sick 1700-1900
- Western Front

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

Spanish

Type of assessment

Mock reading, listening, writing and speaking papers

Length of assessment

3 papers in exam conditions + speaking in class

- Revise Y9 vocab (vocab lists will be put on Google Classroom)
- Module 1: My identity
- Module 2: My family & friends
- Module 3: School
- Module 4: Home and Local area

Psychology

Type of assessment

Mock Paper Hybrid

Length of assessment

1 hour 10 minutes

- Memory - the structure, the processes, the features of memory, amnesia, Bartlett's reconstructive memory theory, Atkinson and Shiffrin Multi-store Model, Bartlett's War of the ghost study, Peterson and Peterson the duration of STM study, holism & reductionism debate
- Social influence - understanding obedience, conformity, bystander effect and deindividuation. For obedience and conformity you need to know situational and personality explanations. For crowd behaviour you need to know the difference between pro-social and anti-social behaviour. How to prevent blind obedience. The two key studies are Piliavin subway study and Zimbardo's prison study. How different cultures respond to obedience, conformity, bystander intervention and deindividuation.
- Research Methods
  a. an independent variable (IV)
  b. a dependent variable (DV)
  c. extraneous variables, including
  (i) situational variables
  (ii) participant variables
- Understand the influence of extraneous variables and suggest possible ways to control for them, including:
  a. use of standardised procedures
  b. counterbalancing
  c. randomisation
  d. single-blind techniques
  e. double-blind techniques

- Be able to write a null hypothesis
  Be able to write an alternative hypothesis
- Methods of sampling, including strengths and weaknesses of each sampling method:
  a. understand target population samples
  b. understand random sampling
  c. stratified sampling
  d. volunteer sampling
  e. opportunity sampling
- Understand experimental and research designs, including strengths and weaknesses:
  a. independent measures
  b. repeated measures
  c. matched pairs
- Understand the reliability and validity of the following when analysing the planning and conducting of research procedures:
  a. sampling methods
  b. experimental designs
  c. quantitative methods
  d. qualitative methods
- Understand ethical issues in psychological research and how to deal with ethical issues, including:
  a. informed consent
  b. deception
  c. confidentiality
  d. right to withdraw
  e. protection of participants
- Methodology:
  1) laboratory experiment
  2) field experiment
  3) natural experiment
  4) interview, including
  a. structured
  b. semi-structured
  c. unstructured

5) questionnaire, including
a. closed-ended questions to elicit quantitative data
b. open-ended questions to elicit qualitative data
6) correlation
7) case study
8) observation

- Arithmetic and numerical computation:
  a. recognise and use expressions in decimal and standard form
  b. estimate results
  c. use an appropriate number of significant figures
- Be able to understand and use, including calculations:
  a. mean, and finding arithmetic means
  b. median
  c. mode
  d. ratios
  e. fractions
  f. percentages
  g. range as a measure of dispersion
  h. know the characteristics of normal distributions
- Be able to:
  a. construct and interpret frequency tables and diagrams
  b. construct and interpret bar charts
  c. construct and interpret histograms
  d. construct a scatter diagram
  e. use a scatter diagram to identify a correlation between two variables
  f. translate information between graphical and numerical forms
  g. plot two variables from experimental or other data and interpret graphs

- Understand, and know the difference between:
  a. primary data
  b. secondary data
- Understand, and know the difference between:
  a. qualitative data
  b. quantitative data

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