

HELSBY

Sixth Form



Year 12

Subject Specific Revision Information for the Assessments January 2023

Maths

1 X 1 hour assessment

Topics:

- Algebraic Expressions (1)
- Quadratics (2)
- Straight line graphs (5)
- Circles (6)
- Algebraic methods (7)
- The Binomial Expansion (8)
- Trig Ratios (9)
- Differentiation from first principles

Resources Provided: Formula Booklet

Equipment Required: Calculator Pen, Pencil, Ruler

Revision resources: Active Learn Maths Genie Corbett Maths Dr Frost

Additional Information: Drop in sessions Tuesday and Wednesday after school if wanted.

Core Maths

1 x 1 hour assessment

Topics to be covered:

Mean, standard deviation variance

Cumulative frequency

Median, Quartiles and IQR

Box Plots

Identifying Outliers

Percentage increase/decrease

Scatter Diagrams

PMCC

Spearman's Rank

Regression lines

Risk

Expected cost/income

Inequalities

Arithmetic/geometric sequences

Venn diagrams

Tree diagrams

Two Way Tables

Equipment required: Calculator Pen, Pencil, Ruler etc.

Revision Resources: Text Book, Exercise book

Further Maths

1 x 1 hour assessment

Topics:

- Complex Numbers
- Argand Diagrams
- Series
- Roots of Polynomials
- Discrete Random variables
- Poisson Distribution
- Momentum

Resources provided: Formula Booklet

Equipment required: Calculator Pen, Pencil, Ruler etc.

Revision Resources: Kerboodle Maths Genie Corbett Maths Dr Frost Active Learn

Additional Information: Drop in sessions Tuesday and Wednesday after school if wanted

English Language

2 x 1 hour 15 minute assessments

Topics:

- Paper 1 Section A Language Variation and Identity
- Paper 2: Child Language Acquisition

Equipment Required: Writing equipment

Revision Resources: Materials on Show my Homework and Teams Lesson resources and materials

English Literature

2 x 1 hour assessments

Topics:

- 'Othello'
- Keats Tragedy

Resources provided: Exam booklet. Both of these assessments are closed book.

Equipment required: Writing equipment

Revision resources: See Teams and resources from the lessons

Art & Photography

Students will be assessed on their portfolio work in Art and Photography "to date" 1 x 30 minutes. They will require their Portfolio and sketch book

During the Assessment window students should continue to work on their individual portfolios. All students have been given individual targets and deadlines which they need to work towards.

Media Studies

2 assessments

- 1 x 1 hour long assessment (Component One Section A question 1)
- 1 x 30 minute assessment (Component One Section A question 2)

Topics: Music videos and advertising.

Resources Provided: An audio-visual extract that (RMC) will play at the start of the exam

Equipment Required: Pen.

Revision resources:

- Zig-Zag e-revision package that all students have their own access to.
- Eduqas free digital resources for Music Videos and Advertising all on the exam board website.
- Notes from class.
- Mrs Fisher Youtube revision videos for music videos and advertising.

Additional Information:

Exam date will be Friday 27th Jan period 3 (RMC's lessons) with the final half an hour (separate question) to be completed during first half of LHA's lesson (p2) the following Tuesday (31st Jan).

BTEC Applied Science

Year 12 have an external exam for Unit 1 – Principles and Applications of Science in January and will be completing mock papers in class

Biology

Assessment Paper 1 45 minutes 42 marks

Assessment Paper 2 45 minutes 45 marks

Topics:

Paper 1

- Biological Molecules (Chapter 1)
- Nucleic Acids (Chapter 2)

Paper 2

- Cells (Chapter 3)
- Transport across membranes (Chapter 4)

Equipment Required: Black pen, pencil, ruler (with millimetre measurements), eraser, scientific calculator

Revision Resources: Will be provided on SMHW

Chemistry

2 x 50 minute assessments worth 45 marks each

Topics:

Paper 1

- Atomic Structure
- Amount of Substance – up to Ideal Gases

Paper 2

- Bonding
- Kinetics

Resources Provided: Periodic Tables

Equipment Required: Black pen, pencil, ruler (with millimetre measurements), eraser, scientific calculator

Revision Resources:

<https://www.youtube.com/channel/UCPtWS4fCi25YHw5SPGdPz0g>

-Allery Tutor Chemistry Videos link to play list.

<https://www.docbrown.info/page13/page13.htm> - A level Chemistry revision notes.

<http://www.knockhardy.org.uk/sci.htm> - A level Chemistry notes.

<https://s-cool.co.uk/a-level/chemistry> - A level Chemistry notes and activities

<http://www.chemguide.co.uk/> - A level Chemistry notes and activities.

<http://www.chembook.co.uk/> - A level Chemistry notes and activities.

Revision Mats.

Physics

2 x 50 minute assessments

Topics:

Content covered in both papers:

- Measurements and their errors
- Use of SI units and their prefixes
- Limitation of physical measurements
- Estimation of physical quantities

Content in Paper 1

- Particles and radiation - Particles and nuclides
- Particles and radiation - Fundamental particles
- Particles and radiation - Electrons and energy levels

Content in Paper 2

- Mechanics and Materials - Introduction to Mechanics
- Mechanics and Materials - Newton's Laws of Motion
- Mechanics and Materials - Work, energy and power
- Mechanics and Materials - Momentum

Resources Provided: Data and formula sheet

Equipment Required: Calculator, ruler, protractor, pen, pencil and rubber

Revision Resources:

- Kerboodle retrieval work set
- Digital text book on Kerboodle
- <https://www.physicsandmathstutor.com/physics-revision/a-level-aqa/>
- <https://www.aqa.org.uk/find-past-papers-and-mark-schemes>

Business Studies

1 x 50 minute assessment

Topics:

- 7 Ps Marketing mix
- Product, Product portfolio and product lifestyle
- Pricing strategies
- Methods of promotion
- Location and channels of distribution
- Technology in the Marketing Mix

Revision Resources:

- Revision guide pages 37-42
- Knowledge book pages 14-22
- Tutor2U website
- Class notes for topics 3.3. Marketing

Economics

1 x 45 minute assessment

Topics: All of Microeconomics

Revision Resources:

- Revision Book Pages 5 – 37
- Pages 74 - 101

BTEC Business

1 x 45 minute assessment

Topics:

- All of Personal Finance – Learning aims A and B
- Income statements and statement of financial position

Revision Resources:

- Personal Finance booklet (Purple front cover)
- Pages 21-33 in Blue Unit 3 Business Finance Calculation practice booklet

Additional Information: Mixture of short questions, extended answers and calculations

BTEC IT -

Unit 2 Assessment Databases
1 assessment paper 50 minutes

Topics:

- Normalisation
- Table structures and validation
 - Presence check
 - Length check
 - Value lookup
 - Table lookup
 - Format check

Resources Provided: Computers MS ACCESS, printout of assessment

Revision resources:

- <https://www.youtube.com/watch?v=J02wQdMQ2qw&list=PLYXXB4Phri9oNsiSTyrFgwh4Mz9Prt1pZ>

Additional information: Students are not required to do the queries or reports in this assessment

French

One AS language assessment paper all 4 components spread over 4 lessons (listening, reading, translation & speaking) One-to-one speaking appointment for photo card discussion

Topics: Students should revise vocabulary from the key language topics studied this year and also look over and learn the grammar points (articles, present, perfect, imperfect, future & conditional tenses)

Equipment Required: Pen

Revision resources: Please use your folder to revise the topics and grammar covered so far. Skills practice can be done by logging on to Kerboodle. Learn some AO4 facts for the photo card discussion

Additional Information: Y12 students will sit all four components of a past AS-Level paper. As this is the first formal assessment they have done, the tasks will be shared out across 4 lessons, to give them plenty of time and so that the teacher can explain and guide the students at the start. Students should revise vocabulary from the key language topics studied this year and also look over and learn the grammar points. They also need to learn some AO4 facts for the photo card discussion. If, as they revise, they find any areas of difficulty, then they should speak to one of their teachers.

Geography

1 x 55 minute assessment

Topics:

- Exogenous/endogenous factors
- Outside versus insider perspectives on a sense of place
- Sediment cells
- Depositional features (beaches)
- Water cycle
- Cryospheric processes

Equipment Required: Pen, pencil, ruler, Calculator.

Revision Resources:

- Class notes
- A level textbook
- AQA revision guide
- AQA past papers

History

Assessment Paper 1: Subject: Russia 1894-1941

1 x 60 minute paper

Topics: Tsarist Russia up to 1914:

- What Russia was like in 1900 and how difficult it was to govern
- Personality of Nicholas II
- Opposition to the Tsar
- Economic problems Russia faced in 1900 & Witte's policies
- 1905 Revolution Causes
- 1905 Bloody Sunday & year of unrest
- Why the Tsar survived the revolution (October Manifesto etc.)
- Stolypin & land reform
- The work of the Dumas
- The power of the Tsar by 1914

Equipment Required: 2 x pens.

Revision Resources:

- Russia textbook
- Revision guide
- Guidance of question technique
- Summary Circles sheets for topics.
- Past paper questions to be found on the OCR website for unit Y219/01 AS and A Level - History A - H105, H505 (from 2015) – OCR
- <https://www.ocr.org.uk/qualifications/as-a-level-gce/history-a-h105-h505-from-2015/assessment/>

Additional Information: No choice element to the paper. All questions to be answered

Paper 2: Subject: Early Tudors 1485-1547 (Henry VII & VIII)

1 x 45 minute assessment comprising of 1 essay and 1 knowledge test

Topics: Henry VII and Henry VIII up to 1525

Equipment Required: 2 x pens.

Revision Resources: Will be discussed in class and put on SMH

Politics

2 x 40 minute assessments

Topics:

- The Constitution
- Devolution
- Parliament
- Politics Parties

Equipment required: 2 x pens.

Revision Resources:

- Politics textbook
- Revision questions
- Guidance of question technique

Additional Information:

Politics 1 will consist of 3 x 9 mark questions.

Politics 2 will consist of one essay from a choice of two

Psychology

2 x 45 minute assessments (one in a lesson with SIN, the other in a lesson with NBA)

Topics SIN:

- Social Influence (24 marks)
- Biopsychology (12 Marks)

Topics NBA:

- Approaches (24 marks)
- Psychopathology (12 marks)

Equipment Required: Pen, pencil, ruler, calculator

Revision Resources:

- Classwork notes/booklets
- Past paper questions and mark schemes
- Revision cue cards,
- summary tables and mind maps

Criminology

No Assessment - Students will be completing a Controlled Assessment utilising draft documentation they have prepared during lessons.

R.E.

1 x Philosophy assessment paper with SCO 45 minutes ONE question 40 marks

1 x Ethics assessment paper with PJO 45 minutes ONE question 40 marks

Topics:

Philosophy Assessment:

- Arguments about the existence or non-existence of God (teleological, cosmological and ontological argument)

Ethics Assessment:

- Natural Law
- Situation Ethics
- Euthanasia

Equipment Required: Pen

Revision Resources: Class notes and textbooks

Sociology

2 x 45 minutes Assessments.

One with MLA one 30 mark question

One with PJO one 20 mark question

Topics:

- Gender and Education (MLA)
- Divorce(PJO)

Equipment Required: Pen

Revision resources:

- Class booklets,
- revision grids and summary sheets,
- Textbooks

Cambridge Technical Sport Studies

1 x 1 hour assessment

Body Systems

Topics:

L01: Understand the skeletal system in relation to exercise and physical activity

L02: Understand the muscular system in relation to exercise and physical activity

L03: Understand the cardiovascular system in relation to exercise and physical activity

Equipment Required: Pen and pencil

Revision resources: Past paper questions and content PowerPoints available via teams and SMHW

Level 3 Cambridge Technical - Health and Social Care

Group 12A/Hs1 - Extended Certificate (single award - involves ALL Y12 H&SC students)

1x 50 minute written assessment for Mrs SGI's Unit 2 Equality, Diversity & Rights

Topics:

Unit 2 Equality Diversity and Rights, LO2 - Understand the impact of discriminatory practice on individuals in health, social and child care environments.

Equipment Required: Pen

Revision Resources:

- Hodder 'My Revision Notes' textbook
- Unit 2 LO2 Lesson Pack
- Unit 2 LO2 Independent Study Pack
- Unit 2 Exam Pack

Group 12D/Hs1 - Diploma (double award - involves only those Y12 H&SC students doing the double diploma)

1x 50 minute written assessment for SGI's Unit 7 safeguarding

Topics:

Unit 7 Safeguarding, LO3 - Understand legislation, regulatory requirements and guidance which govern the safeguarding of adults, young people and children.

Equipment Required: Pen

Revision Resources:

- Hodder 'My Revision Notes' textbook
- Unit 7 LO3 Lesson Pack
- Unit 7 LO3 Independent Study Pack
- Unit 7 Exam Pack

D&T – Product Design

1 x 1.5 hour written assessment

Topics:

Designing and making principles (which is worth 20% of total A level)

- Design methods and processes
- Design theory
- How technology and cultural changes can impact on the work of Designers
- Design processes
- Critical analysis and evaluation

Equipment Required: Calculator, pen, pencil, ruler and eraser

Revision Resources: <https://filestore.aqa.org.uk/resources/design-and-technology/specifications/AQA-7552-SP-2017.PDF>