

HELSBY

Sixth Form



Year 12

Subject Specific Revision Information for the Assessments June 2025

Art

Two hours spread over two timetabled lessons in their Art room

Topics: Students will present their project and portfolio work to date to the assessor

Equipment required: Bring all portfolio and sketch book work to the assessment lessons or have all material accessible on the iMac

Revision resources: iMac suit.

Biology

2 papers X 45 Minutes

Topics:

The following topics may be assessed. They can appear in either paper.

- Biological Molecules
- Cells.
- Organisms exchange substances with their environment.
- Genetic Information, variation and relationships between organisms.

General How Sciences works skills (e.g. Maths, Graphs) will also be assessed.

Respiration will not be assessed.

Equipment Required: Pen, Pencil, Ruler, Rubber (with millimetre measurements), Scientific Calculator

Revision Resources: Will be provided on class charts including

- <https://mmerevise.co.uk/a-level-biology-revision/>
- Digital Learning grids

BTEC Applied Science

There will be no assessment in BTEC Applied Science. Students are currently completing coursework

BTEC Business

There will be no assessment in BTEC Business. Students have recently taken an external exam and are currently completing coursework.

BTEC IT There will be no assessment in BTEC IT. Students will have sat an external exam.

BTEC Performing Arts

Students will be completing question 1 of Unit 1. They will prep their research before the date and be given the theme 3 weeks prior to the exam.

Business Studies

The end of year assessment will consist of paper 1 and paper 2 with multiple-choice questions, short answer questions and case study questions.

You will also have a non-case study question where you will be given a choice between two 25-mark essay options.

You will have two hours to complete the assessment and there are 100 marks available.

Section A: 40 Marks

- Multiple-choice questions covering all areas of topics 3.1-3.6
- Short answer questions including market share, market growth, price elasticity, exchange rates, payback and average rate of return

Section B: 35 Marks

- Case study questions including marketing, human resources and economic environment

Section C: 25 Marks

- Choice between 2 essay questions
- HR or Marketing question

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

Revision Resources:

- Revision Guide Pages 2- 95
- Knowledge book Pages 1-42
- Revision website – Tutor2
- <https://www.tutor2u.net/business>

Level 3 Cambridge Technical - Health and Social Care extended certificate (single) group.

Unit 4 Anatomy & Physiology (Mrs Gilbert) - as this unit has only just been started, the LO1 assessment will take place just after the year 12 assessment fortnight. You will be given details of when in your lesson.

Unit 5 Infection Control (Mrs Eastwood) - this is an ongoing portfolio assessed unit so no written exam will take place during the assessment window.

** Please note that this group have an external exam for unit 2 Equality, Diversity and Rights on Wednesday 14th May and should be continually revising for it.*

Level 3 Cambridge Technical - Health & Social Care Diploma (double) group

These students have all work associated with the single group above plus, in addition...

Unit 15 Promoting Health & Wellbeing (Mrs Gilbert) – this is an ongoing portfolio assessed unit so no written exam will take place during the assessment window.

Unit 13 Sexual Health, Reproduction and Early Stages Development - this is an ongoing portfolio assessed unit so no written exam will take place during the assessment window.

**Please note that this group have an external exam for unit 7 Safeguarding on Wednesday 4th June and should be continually revising for it.*

Cambridge Technical Sport Studies

There will be no internal assessment in Sport Studies. Students will sit an external exam and are currently completing coursework as well as starting the Unit 3 content which will be examined in 2026.

Chemistry

Paper 1 Physical & Inorganic Chemistry 45 marks 45 minutes

Paper 2 Physical & Organic Chemistry 45 marks 45 minutes

Topics:

Paper 1:

- Atomic structure
- Amount of substance
- Bonding
- Energetics,
- Equilibrium & K_c
- Periodicity

Paper 2:

- Atomic structure
- Amount of substance
- Bonding
- Kinetics
- Equilibrium & K_c
- Introduction to Organic Chemistry
- Alkanes
- Alkenes
- Halogenoalkanes

Resources Provided: Periodic Tables

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

Revision Resources:

- AS level Chemistry Textbooks.
- Preparing for the examination – information.
- AS Chemistry Checklists
- AS Chemistry Revision Mats.
- Past paper questions.
- Websites.
- <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.

Computer Science

2 X Papers

Paper 1: Programming completed in a lesson with MGR

Paper 2: Theory (MDA)

Topics:

Paper 1:

- 1.1 Programming
- 1.2 Programming paradigms
- 2.1 Data Structures/abstract data types
- 3. Fundamentals of algorithms
- 3.4 Searching algorithms
- 3.5 Sorting algorithms

Paper 2:

- 4.5 Fundamentals of data representation
- 4.6 Fundamentals of computer systems
- 4.7 Fundamentals of computer organisation and architecture

Revision Resources:

Revision material provided during the lesson

Additional Information:

Craig n Dave link - https://www.youtube.com/playlist?list=PLCiOXwirraUDUYF_qDYcZV8Hce8dsE_Ho

Criminology There will be no Assessment in Criminology Students will be sitting an external exam

D&T – Product Design - 1 x 45-minute written assessment

Possible Topics include:

- Materials and their applications
- Types and classification of materials
- How materials are tested (e.g. strength, hardness)

Woods

- Properties and types of woods
- Enhancing Wood (e.g. lamination, preservatives)
- Wood processing (cutting, joining)
- Wood finishing (painting, varnishing)

Metals

- Properties of different metals
- Metal enhancement (e.g. heat treatment, alloying)
- Processing methods (casting, welding)
- Metal finishing (galvanising, polishing)

Polymers

- Properties of polymers (including sheets/films)
- Elastomers
- Biodegradable polymers
- Enhancing polymers
- Polymer processing and finishing methods

Smart Modern and Composite Materials

- Composites (e.g. Carbon fibre, GRP)
- Smart materials (e.g. thermos chromic, shape-memory alloys)
- Modern materials (e.g. graphene, kevlar)

Digital Design and Manufacture

- Computer-Aided Design (CAD)
- Computer-Aided Manufacture (CAM)
- Virtual modelling and simulations
- Rapid prototyping (e.g. 3D printing)
- Electronic Data Interchange (EDI)
- Production Planning and Control (PPC) systems

Modern Industrial and Commercial Practice

- Scales of production (on-off, batch, mass, continuous)
- Efficient material use
- Computer systems in manufacturing
- Sub-assembly in production

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

Revision resources:

- Students may refer to their theory folder, classwork and resources provided during lessons.
- It is also recommended that pupils refer to the AQA text book that has been previously mentioned: <https://www.hachettelearning.com/design-and-technology/aqa-as-a-level-design-and-technology-product-design>
- The link following link to the course specification may also be helpful.
<https://www.aqa.org.uk/subjects/design-and-technology/a-level/design-and-technology-7552/specification>

Economics

2 x 1-hour papers (in lessons)

Topics: 1.1 Economics, 1.2 How Markets work, 1.3 Market Failure, 1.4 Government intervention, 2.1 Economics Performance, 2.2 Aggregate Demand, 2.3 Aggregate supply, 2.4 National Income

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

Revision Resources:

- Specification and knowledge organisers given at the start of the course
- Diagrams book (small blue one)
- Revision guide
- Revision website – Tutor2U
- The Economist magazine

Additional Information:

The examination will be a combination of multiple-choice questions, one data response question and two essays

English Language

2 x 1 hour 15-minute papers

Topics:

Paper 1

Section A Language Variation and Identity

Paper 2

Child Language Acquisition

Resources Provided: Exam booklets

Equipment Required: Writing equipment

Revision Resources: Materials on Class Charts and Teams Lesson resources and materials

English Literature

1 x 2½ hour paper Aspects of Tragedy

Topics:

- Othello
- Keats
- Death of a Salesman
- Tragedy

Resources provided: Exam booklet. Closed book examination.

Equipment required: Writing equipment

Revision resources: See Teams and resources from the lessons

Geography

3 x 45-minute papers

Topics:

- Changing Places
- Water and Carbon cycles
- Coastal systems and landscapes

Types of Questions:

4-mark, 6 mark and 20-mark questions.

Equipment Required: Pen, pencil, ruler, calculator

Revision Resources: Guidance will be provided by individual class teachers. Students make use of class notes, textbooks and revision guides.

History

Unit 1 the Early Tudors 1485-1529

1 x 40-minute assessment

Write one essay from a choice of two questions.

Topics:

- Henry VII, Henry VIII

Equipment Required: Pen

Revision Resources:

- Revision schedule to be provided by your teacher, including activities to be completed each week at home and in class.
- Tudors textbook
- Guidance on question technique provided by teachers.

Unit 2 Russia 1894-1917

1 x 60-minute paper split over two lessons

One compulsory question (split into 10-mark and 20-mark questions)

All topics studies so far

Equipment Required: pen to write - pens to annotate (highlighters)

Revision Resources:

- Revision tasks to be provided by your teacher, including activities to be completed each week at home and in class.
- Russia textbook
- Guidance on question technique provided by teachers.

Maths

3 Papers x 50 Minutes

- Paper 1 – Pure
- Paper 2 – Stats
- Paper 3 - Mechanics

Topics:

Paper 1 – Pure

- Algebraic expressions
- Quadratics
- Equations and inequalities
- Graphs and transformations
- Straight line graphs
- Circles
- Algebraic methods
- Binomial expansion
- Trigonometric ratios
- Trigonometric identities and equations
- Vectors
- Differentiation
- Integration
- Exponentials and Logarithms

Paper 2 – Stats and Mech

Stats:

- Data collection
- Measures of location and spread
- Correlation
- Probability
- Statistical distributions
- Hypothesis Testing

Mech:

- Modelling in mechanics
- Constant acceleration
- Forces and motion
- Variable Acceleration

Resources Provided: Formula Booklet

Equipment Required: Calculator

Revision resources: Active Learn, Completed Assessments

Media Studies

Component 1 Section A, 2 x 45-minute sessions (in class)

Topics:

- Newspapers: The Mirror & the Times set text covers.
- Advertising: Tide, Superhumans & KOTV.
- Music videos: Riptide & Formation

“Unseen” audio-visual and ‘unseen’ print texts (newspapers/advertising/music video theme) to analyse – so need to revise relevant theory and terminology for these topics.

Resources Provided: An ‘unseen’ audio-visual extract. 2 ‘unseen’ print texts.

Equipment Required: Pens.

Revision resources:

- Eduqas fact sheets and notes from class.
- Eduqas Media A Level free interactive digital resources on the website.
- Zig-Zag e-revision packages for set texts; all students provided with individual log-ons.
- Mrs Fisher Youtube analysis videos for set texts and theorists.

Photography

Two hours spread over two timetabled lessons in their Photography room

Topics: Students will present their project and portfolio work to date to the assessor

Equipment required: Bring all portfolio and sketch book work to the assessment lessons or have all material accessible on the IMac

Revision resources: IMac suit

Physics

3 x 45-minute papers hour papers:

- Paper 1 – Topics 1-13
- Paper 2 – Topics 1-13
- Paper 3 – Topics 1-13 with a practical focus

Topics:

- P1 – Matter and radiation
- P2 – Quarks and Leptons
- P3 – Quantum phenomena
- P4 – Waves
- P5 – Optics
- P6 – Forces in equilibrium
- P7 – On the move
- P8 – Newton’s laws of motion
- P9 – Force and momentum
- P10 – Work, energy & power
- P11 – Materials
- P12 – Electric current
- P13 – DC circuits
- How Science works skills such as; analysing data, simple calculations and evaluating information.
- Required practical’s on topics 1 – 13.

Resources Provided: Data Booklet

Equipment Required: Pen, Pencil, Calculator, Ruler

Revision Resources: All revision resources to be provided on Class Charts and Teams.

Politics

Paper 1 (UK) – paper spread into three sections:

- 1 x 40-minute assessment (3 compulsory 9-mark questions)
- 1 x 40-minute assessment (compulsory 25-mark extract question)
- 1 x 40-minute assessment (one 25-mark essay from a choice of two)

You should revise all UK Politics topics.

Equipment required: Pen and highlighter for the extract question.

Revision Resources

- Revision tasks to be provided by your teacher, including activities to be completed each week at home and in class.
- Politics textbook
- Guidance of question technique to be provided by teachers

Psychology

NBA –

Paper 1 revise the following:

- Psychopathology

Paper 2 revise the following:

- Research Methods

NRV –

Paper 1 revise the following:

- Memory

Paper 2 revise the following:

- Attachment

Equipment Required: Pen

Revision Resources: Students should have all of their work booklets, revision cards and past assessments to help them to prepare for it. They can find extra support from the tutor2u website. Textbooks are available for students to borrow from the department.

Sociology

MLA –

Paper 1 revise the following topics from Education:

- Gender
- Social Class
- Ethnicity and achievement

Paper 2 revise the following from Research methods:

- Observations & Methods in Context

PJO –

Paper 1 revise the following topics:

- Social Change
- Policy and Marriage
- Family structures and Postmodernism

Paper 2 revise the following:

- Theories of crime and deviance

Equipment Required: Pen

Revision resources:

- Classwork notes/booklets
- Revision flash cards and knowledge organisers
- Tutor2u.co.uk