

# HELSEBY

## Sixth Form



### **Year 12**

# **Subject Specific Revision Information for the Assessments June 2023**

## **Maths**

2 Papers

- Paper 1 – Pure – 2 hours
- Paper 2 – Stats and Mech – 1 x 1½ hours

### **Topics:**

#### **Paper 1 – Core**

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

#### **Paper 2 – Stats and Mech**

##### **Stats:**

- Data collection
- Measures of location and spread
- Representations of data
- 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:** Kerboodle, Active Learn, Completed Assessments

## **Further Maths**

2 x 1 hour 40 minute papers

### **Topics:**

#### **Paper 1 – Core**

- Complex numbers
- Argand Diagrams
- Roots of Polynomials
- Sums of Series
- Proof by Induction
- Volumes of Revolution
- Matrices
- Vectors

#### **Paper 2 – Stats and Mech**

##### **Stats:**

- Binomial Distribution
- Poisson Distribution
- Discrete Random Variables
- Contingency Tables
- Hypothesis Testing

##### **Mech:**

- Work, Energy, Power
- Momentum and Impulse

**Resources provided:** Formula Booklet

**Equipment required:** Calculator

**Revision Resources:** Kerboodle, Active Learn, Completed Assessments

## **Media Studies**

One exam paper: Component One, 2 hours 15 minutes (full paper, Sections A&B)

### **Topics:**

- Newspapers: The Mirror & the Times set text covers & industry.
- Advertising: Tide, Superhumans & KOTV.
- Music videos: Riptide & Formation
- Film: I, Daniel Blake & Black Panther.

“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 pieces.

**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.

## **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 Show my Homework 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

## **Drama and Theatre**

1 x 45 minute paper

Students will be completing the live theatre evaluation from the exam. Students will watch a production in lesson time and then write up notes that are no longer 500 words in length. They will then bring these notes into their assessment.

Students should revise the context of the production and look specifically at all production elements. Such as lighting, sound and set as well as studying the actors skills in detail

**Equipment required:** Students will bring their live theatre notes of up to 500 words

**Revision resources:** Your teachers will add you to the revision work on MS Teams

## **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.

## **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**

2 X 1½ hour papers. Students will be assessed on all Year 12 A Level Physics topics

### **Topics:**

- **1** Measurements and their errors
- **2** Particles and Radiation
- **3** Waves
- **4** Mechanics and Materials
- **5** Electricity

**Paper 1:** Topics 1 – 5 assessed 70 marks of short and long answer questions split by topic

**Paper 2:** Topics 1 – 5 assessed

- Section A: 20 marks of short and long answer questions on practical skills and data analysis
- Section B: 20 marks of short and long answer questions from across all areas of AS content
- Section C: 30 Multiple choice questions

**Resources Provided:** Data Booklet

**Equipment Required:** Pen, Pencil, Calculator, Ruler

**Revision Resources:** All revision resources to be provided on SMH and Teams.

## **Biology**

2 X 1½ hour papers

### **Topics:**

All AS Content

- Section 1 – Biological Molecules
- Section 2 – Cells.
- Section 3 – Organisms exchange substances with their environment.
- Section 4 – Genetic Information, variation and relationships between organisms.

HSW skills will also be present throughout both papers.

**Equipment Required:** Pen, Pencil, Ruler, Rubber, Calculator

**Revision Resources:** Will be provided remotely and in class. Will include links to revision notes, past papers and learning grids

## **Chemistry**

**Paper 1** Physical & Inorganic Chemistry 80 marks 1 x 1½ hour paper

**Paper 2** Physical & Organic Chemistry 80 marks 1 x 1½ hour paper

### **Topics:**

#### **Paper 1:**

- Atomic structure
- Amount of substance
- Bonding
- Energetics,
- Equilibrium & K<sub>c</sub>
- Periodicity and Group 2

#### **Paper 2:**

- Atomic structure
- Amount of substance
- Bonding
- Kinetics
- Equilibrium & K<sub>c</sub>
- Introduction to Organic Chemistry
- Alkanes
- Alkenes
- Halogenoalkanes
- Alcohols
- Organic Analysis

**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.
- <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.

## **BTEC Applied Science**

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

## **Business Studies**

1 x 2 hour paper

**Topics:** 3.1 – 3.6

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

**Revision Resources:**

- Blue knowledge book P1-42
- Red Revision Guide P1- 101
- Mindmaps, specifications and past papers given out in class
- Revision website – Tutor2

**Additional Information:**

The examination will be a combination of multiple choice questions, short answer questions, case study questions and one essay

## **Economics**

1 x 2 hour paper

**Topics:** 2.1 -2.3 – AS Macroeconomics

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

**Revision Resources:**

- Red Revision Guide P122-182
- Mindmaps, specifications and past papers given out in class
- 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

## **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.

## **French**

1. Listening, reading & translation 2 hours
2. Literature exam – one essay 1 hour
3. Speaking – 30 minutes (appointments to be arranged with MFL Staff)

### **Topics:**

- Revise all of the topics covered this year, including A04 facts for the speaking exam
- Practise grammar covered this year and learn some of the key rules
- Revise all the main characters and themes from 'No et Moi', specific vocabulary & short quotes from the book and some phrases to help sequence your ideas.

**Resources Provided:** Printed exam papers & photo card. Lined exercise paper.

**Equipment Required:** Pen & spare pen Highlighter pen

### **Revision resources:**

- All Languages & grammar notes
- AO4 Fact lists (a few key dates/examples/trends from French or French-speaking countries)
- Grammar practice booklets
- Interactive listening & reading tasks on Kerboodle
- Cheat sheets from 'No et Moi' on key themes & characters

### **Additional Information:**

The two written papers will be scheduled during the exam fortnight. We will make individual appointments with students to sit a speaking exam.

## **History**

### **Paper 1 the Early Tudors**

1 x 1½ hour paper

### **Topics:**

- Henry VIII – essay question
- Edward VI – source enquiry

**Resources Provided:** Source booklet

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

### **Revision Resources:**

- File notes
- OCR A Level History revision notes 'England 1485-1558: The Early Tudors' available to purchase (ISBN:9781471875977)
- Video links and other resources to be provided in class/via Show My Homework

### **Paper 2 Russia 1894-1941**

1 x 1 Hour paper

### **Topics:**

- All content from 1894 up to and including Stalin's rise to power. Students will not be tested on Stalin's Terror State or the economy under Stalin.

**Equipment Required:** Pen

### **Revision Resources:**

- File notes
- Hodder Russia 1894-1941 OCR A Level Revision guide – available to purchase ISBN: 9781471876004
- Additional resources provided by class teachers.



## **Politics**

1 x 2 hour paper

**Topics:** The Government and Politics of the UK – all topics to be revised for both MMA and LBA

**Equipment required:** Pen and highlighter for the extract question

**Revision Resources:**

- Recap resources provided by class teachers
- Textbook
- Class notes
- Past paper questions

## **Geography**

1 x 2½ hour paper

**Topics:**

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

**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.

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

## **Psychology**

1 x 1½ hour paper

**Topics:**

**Made up of 3 sections:**

- **Section A:** Psychopathology (24 marks)
- **Section B:** Memory (24 Marks)
- **Section C:** Attachment (24 Marks)

**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 D3.

## **R.E.**

1 x 2 hour paper – Students will need to complete 3 questions in the time.

**Either 2 x Philosophy and 1 x Ethics or 2 x Ethics and 1 x Philosophy**

### **Topics:**

#### **Philosophy Assessment:**

- Mind, Body, Soul
- Religious Experience

#### **Ethics Assessment:**

- Business Ethics
- Sexual Ethics

**Equipment Required:** Pen

**Revision Resources:** Students should use class notes and revision material provided by class teacher

## **Sociology**

1 x 2 hour paper

### **Topics:**

**Families and Households** (10 marker, 10 marker with an item and 20 marker with an item)

- Theories and Policy of the family e.g. functionalism, feminism etc.
- Changing patterns and diversity e.g. divorce, marriage cohabitation
- Gender roles & changes within the family
- Childhood
- Demography

**Education** (4 marker, 6 marker and 30 marker with item)

- The role and functions of the education system (Theories)
- Gender and educational achievement and subject choice
- Social class and educational achievement
- Ethnicity and educational achievement

**Equipment Required:** Pen

#### **Revision resources:**

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

## **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 2024.

## **Level 3 Cambridge Technical - Health and Social Care**

There will be no internal exams in H&SC during the Y12 assessment window. Students are sitting external exam(s) in May for Mrs Gilbert's unit(s). All other work is ongoing portfolio units.

## **D&T – Product Design**

1 x 1½ hour paper – designing and making principles

### **Topics:**

#### **UNIT 11:**

- Topic 1: Product development and improvement
- Topic 2: Inclusive design
- Topic 4: Protecting designs and intellectual property
- Topic 5: Manufacture, repair, maintenance and disposal - **plastic processing methods**
- Topic 6: Efficient manufacturing techniques

#### **UNIT 12:**

- Topic 1: Feasibility studies
- Topic 2: Enterprise and marketing

#### **UNIT 13:**

- Topic 2: Design influences styles and movements - **Bauhaus & Modernism**
- Topic 3: Designers and their work -  
**James Dyson, Dieter Rams, Philippe Starck, Charles & Ray Eames**
- Topic 4: Socio-economic influences
- Topic 5: Developments in technology
- Topic 6: Social, moral and ethical considerations
- Topic 7: Product life cycle

#### **UNIT 14:**

- Topic 3: Industrial and commercial contexts
- Topic 4: Critical analysis, testing and evaluation
- Topic 5: Third party testing and evaluation
- Topic 6: Tools, equipment and processes
- Topic 7: Accuracy in design and manufacture

#### **UNIT 15:**

- Topic 1: Environmental issues
- Topic 2: Circular economy
- Topic 3: Conservation of energy
- Topic 4: Planning for accuracy
- Topic 5: Quality assurance and quality control
- Topic 6: National and international standards

**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>