

HELSBY

Sixth Form



Year 12

Subject Specific Revision Information for the Assessments June 2022

Maths

2 Papers

- Paper 1 – Pure – 2 hours
- Paper 2 – Stats and Mech – 1hour 15 minutes

Topics:

Paper 1 – Core

- Proof
- Indices
- Quadratic functions
- Lines and Circles
- Inequalities
- Polynomials
- Solving Equations
- Binomial Expansion
- Trigonometry
- Differentiation
- Integration
- Exponentials and Logs
- Vectors

Paper 2 – Stats and Mech

Stats:

- Probability
- Sampling
- Linear Interpolation
- Outliers
- Histograms
- Binomial Distribution
- Hypothesis Testing

Mech:

- Equation of Motion
- Motion with Variable Acceleration
- Systems of Forces

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 Collisions
- Impulses

Resources provided: Formula Booklet

Equipment required: Calculator

Revision Resources: Kerboodle, Active Learn, Completed Assessments

Media Studies

1 x 1½ hour paper

Topics:

- Music videos (need to revise Formation & Riptide)
- Advertising (need to revise Tide, WaterAid & KOTV)
- 'Unseen' audio-visual and 'unseen' print texts (music/advertising 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 for advertising and music videos 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 2 hour paper

Topics:

Students will bring their production Seen notes with them and a copy of their text Lysistrata into the exam. Students will answer one question on the play they saw, one acting question on Equus and 1 question on how to direct Lysistrata in a Brechtian way.

Resources Provided: Copies of your production seen notes and spare copies of the set text will be available.

Equipment required: Students will bring their production Seen notes with them and a copy of their text Lysistrata into the exam

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 1 hour 30 minute papers

Topics:

- **Topic 1:** Working as a Physicist (Paper 1 & 2)
- **Topic 2:** Mechanics (Paper 1)
- **Topic 3:** Electric Circuits (Paper 1)
- **Topic 4:** Materials (Paper 2)
- **Topic 5:** Waves and Particle Nature of Light (Paper 2)

Resources Provided: Data Booklet

Equipment Required: Pen, Pencil, Calculator, Ruler

Revision Resources: All revision resources to be provided on SMH. Revision resources to include:

- Knowledge Organisers
- Revision Notes
- Past Paper Questions and Answers
- Revision Website

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.

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

Revision Resources: Will be provided remotely and in class

Chemistry

Paper 1 Physical & Inorganic Chemistry 80 marks 1 x 1½ hour papers

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

Topics:

Paper 1:

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

Paper 2:

- Atomic structure
- Amount of substance
- Bonding
- Kinetics
- Equilibrium
- 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/UCPtWS4fCi25YH>
- w5SPGdPz0g – 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.

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

Computer Science

Paper 1 – 1 hour paper (MGR material)

Paper 2 – 1½ hour paper (KLI/MDA material)

Topics:

Paper 1

- 4.4 Theory of computation – Problem Solving
- 4.2 Fundamentals of data structures – Data Structures
- 4.3 Fundamentals of algorithms – Graph Traversal
- 4.1 Fundamentals of programming – Programming concepts
- 4.3 Fundamentals of algorithms –
- 4.2 Fundamentals of data structures - Abstract data types/data structures
- 4.4 Theory of computation - Following and writing algorithms

Paper 2

- 4.6 Fundamentals of computer systems
- 4.7 Fundamentals of computer organisation and architecture excluding
- 4.7.4 External hardware devices
- 4.8 Consequences of uses of computing

Equipment Required: Pen, pencil, ruler, calculator

Revision Resources: Class notes, Revision pack, Isaac Computing website, Craig'n'Dave YouTube website

French

1. Listening, reading & translation 2 hours
2. Literature exam – one essay 1 hour
3. Speaking – photo card discussion - 15 minutes plus preparation time

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
- A04 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.

German

1. Listening, reading & translation - 2 hours
2. Literature exam – one essay 1 hour
3. Speaking – photo card discussion 15 minutes plus preparation time

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 'Ich fühl mich so fifty-fifty, 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
- A04 Fact lists (a few key dates/examples/trends from Germany or German-speaking countries)
- Grammar practice booklets
- Interactive listening & reading tasks on Kerboodle
- Ultimate revision Powerpoint for Fifty

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.

Geography

3 X 30 minute papers

Topics:

- Water and carbon
- Coastal systems and landscapes
- Changing Places

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

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 JMO

Equipment required: Pen and highlighter for the extract question

Revision Resources:

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

Psychology

1 x 2 hour paper

Topics:

- Social Influence
- Memory
- Attachment
- Psychopathology
- Research Methods will be integrated throughout the four sections of the paper

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

Topics:

Philosophy Assessment:

- Aristotle & Plato
- Soul, Mind, Body
- Ontological Argument
- Religious Experience

Ethics Assessment:

- Natural Law
- Situation Ethics
- Euthanasia
- Kant
- Utilitarianism
- Business Ethics

Equipment Required: Pen

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

Additional information:

Students will have a choice of 3 questions for Philosophy and they will answer 1.
Students will have a choice of 3 questions for Ethics and they will answer 1

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

D&T – Product Design

1 x 1½ hour paper

Topics:

1. Production, processing and joining of materials:
 - Timber
 - Polymers
 - Metals
2. Composite materials
3. Designers and design eras
4. Product analysis
5. Commercial manufacturing

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>

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 are currently completing coursework

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

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

Cambridge Technical Sport Studies

There will be no assessment in Sport Studies. Students are currently completing coursework

Level 3 Cambridge Technical - Health and Social Care

There will be no assessment in HSC. Students will sit an external exam in May (Unit 2). During the Assessment window students should continue to work on their next exam unit (Unit 4) for SGI. For NEA they should continue working on Unit 5 which is a portfolio unit.