

# HELSEBY

## Sixth Form



## Year 13

# Subject Specific Revision Information for the PPE's February 2022

\*\*\* There may be more guidance being issued on the 7th February regarding examination content. If after this date anything changes to the content of the planned PPEs we will issue an appendix to the booklet.\*\*\*

## **Maths**

3 x 2 hour papers.

2 x Pure 1 x Statistics and Mechanics

**Students should bring** Calculator Pen, Pencil, Ruler etc.

### **Topics to be covered:**

#### **Pure:**

Algebra Proof Polynomials Binomial Theorem Trigonometry Differentiation Integration Exponentials  
Logs Vectors Sequences Trig identities Numerical Methods

#### **Mechanics:**

Units Kinematics Forces Newton's Laws Motion in 2 Dimensions

#### **Stats:**

Collecting Data Representing Data Interpreting Data Probability Discrete Random Variables  
Hypothesis Testing

### **Resources we will provide:**

Formula Booklet

### **Revision resources:**

- Kerboodle
- Maths Genie
- Corbett Maths
- Dr Frost

**\*\*Drop in sessions are also available every Tuesday and Wednesday after school if wanted.\*\***

## **English Language**

2 Papers:

- Paper 1 Language Variation 2 hours 15 minutes
- Paper 2 Child Language 1 hour 15 minutes

**Students should bring** Writing equipment

### **Topics to be covered:**

#### **Language Variation:**

- Individual variation and Variation over time

#### **Child Language:**

- Speech and Writing

### **Resources we will provide:**

Exam papers, sources/data

### **Revision Resources:**

- Exercise books
- Class notes
- Handouts
- Revise all topics linked to variation including gender, accent and dialect, power, standardisation, prescriptive and descriptive attitudes, impact of technology.
- English Magazine online at [englishandmedia.co.uk](http://englishandmedia.co.uk)

## **English Literature**

2 Papers:

- Paper 1 Aspects of Tragedy 2hours 30 minutes
- Paper 2 Elements of Crime Writing 3 hours

**Students should bring** Writing equipment

**Topics to be covered:**

**Aspects of Tragedy:**

- 'Othello'
- Poetry of Keats
- 'Death of a Salesman'

**Elements of Crime Writing:**

- Unseen Crime extract analysis
- 'Atonement'
- 'The Murder of Roger Ackroyd'
- Poetry Anthology

**Resources we will provide:**

Paper 2 only: Clean copies of the texts as it is an open book exam.

**Revision resources:**

- Classroom notes, essays and text annotations.
- Massolit Lectures
- Emagazine subscription
- English Review Archive

## **Media Studies**

1 paper 2½ hours

**Topics to be covered:**

- TV (Humans & The Returned)
- Magazines (Vogue & The Big Issue)
- Online media (Zoella & Attitude)

**Revision resources:**

- Notes from class.
- All the free Eduqas revision resources on the digital resources section of the website - all printable resources have been provided as hard copies, but there are lots of excellent interactive resources on there too.  
<https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rIid=1039>  
<https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rIid=1151>  
<https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rIid=1166>  
<https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rIid=1037>
- ALL the MANY Mrs Fisher YouTube revision videos for each of these set texts.
- ZigZag e-revision packages were purchased for all students - accessed via school email.

## **Drama and Theatre**

1 x 2½ hour paper

**Students should bring** 500 word notes on the play seen 1 x copy of Lysistrata

### **Topics to be covered:**

#### **Section A:**

- production seen

#### **Section B:**

- Equus x 2 qu
- Lysistrata x 1 qu

### **Resources Provided:**

- Answer booklet
- The extract of EQUUS text

### **Revision resources:**

- MSTEams (old year 12 team)
- Revision booklets provided in class.
- Class exercise book
- Set text scripts

## **Art & Photography**

Students will be assessed on their portfolio work in Art and Photography. During the PPE 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. Students will not be having a formal PPE at this time.

## **Biology**

2 X 2 hour papers.

**Students should bring** Pen, Pencil, Ruler, and scientific Calculator

### **Topics to be covered:**

All content will be covered.

- Y12 Content broad topics: Biological molecules, Cells, Exchange and Genetic information/relationships
- Y13 content broad topics: Energy transfer, Response to changes in the environment, Genetics and populations, Gene expression
- **Paper 1** – A mix of Year 12 content, and synoptic paper 3 questions (could include Y12 and Y13 content)
- **Paper 2** – A mix of y13 content, and an essay from Paper 3 (could include Y12 and Y13 content)

### **Revision resources:**

Will be provided on SMHW (summary grids, and sample questions)

## **Chemistry**

**Paper 1:** Inorganic & Physical Chemistry 105 marks - 2hours

**Paper 2:** Organic & Physical Chemistry 105 marks - 2hours

**Students should bring** Black pens, pencil, ruler (with millimetre measurements), eraser, scientific calculator.

### **Topics to be covered:**

**Paper 1: Physical Chemistry:** Atomic structure (AS); Amount of Substance (AS); Bonding (AS); Energetics (AS); Equilibrium (AS&A2).

**Inorganic Chemistry:** Redox reactions (AS); Periodicity (AS&A2); Group 2 Alkali Earth metals (AS); Group 7 Halogens (AS); Electrode Potentials (A2); Transition Metals (A2). Required Practical associated with these topics

**Paper 2: Physical Chemistry:** Atomic structure (AS); Amount of Substance (AS); Bonding (AS); Energetics (AS); Equilibrium (AS&A2); Kinetics (AS).

**Organic Chemistry:** Nomenclature & Isomerism (AS); Alkanes (AS); Alkenes (AS); Halogenoalkanes (AS); Alcohols (AS); Organic Synthesis (AS); Optical isomerism (A2); The carbonyl group – aldehydes, ketones, carboxylic acids, esters, acylation (A2); Aromatic chemistry (A2); Amines (A2); Polymers, amino acids, DNA (A2). Required Practical associated with these topics.

**Resources we will provide:** A2 Data sheet – includes a periodic table.

### **Revision resources:**

- Own class notes
- Year 1 & Year 2 Text books.
- Revision information sheet.

<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.

## **Physics**

2 papers: 1 x 1  $\frac{3}{4}$  hours and 1 x 2  $\frac{1}{2}$  hours

**Students should bring** Pen, Pencil, Ruler, and Calculator

### **Topics to be covered:**

All 13 topics in A Level Physics:

- Working as a Physicist
- Mechanics
- Electric Circuits
- Materials
- Waves and the Particle Nature of Light
- Further Mechanics
- Electric and Magnetic Fields
- Nuclear and Particle Physics
- Thermodynamics
- Space
- Nuclear Radiation
- Gravitational Fields
- Oscillations

### **Resources provided:**

- Data Booklet

### **Revision Resources:**

- All provided on SMH:
- Revision notes
- Practice questions and answers
- Past papers and mark schemes

## **Business Studies**

2 papers.

1 x 1 hour (mcq and short answer – similar to paper 1)

1 x 2 hours (3 x case studies – paper 2 structure)

**Students should bring** pen, pencil, ruler, rubber, and calculator

### **Topics to be covered:**

- All work covered in Y12 and Y13. 3.1-3.9\*

### **Revision resources:**

- Red revision guide
- Blue Knowledge guide
- Mind maps
- Theory flashcards

\*Further information to be given after 7th February

## **Economics**

1 x 2 hour paper (Paper 2- Macro Economics paper).

**Students should bring** pen, pencil, ruler, rubber, and calculator

### **Topics to be covered:**

- All work macroeconomics covered in Y12 and Y13. \*

### **Revision Resources:**

- Revision guide

\*Further information to be given after 7th February

## **BTEC Business**

Due to the nature of this vocational course, students have not currently covered enough of the theory to be assessed in any depth at this stage. During the PPE window, students should continue with the Assignment Brief for the unit they are currently undertaking.

## **BTEC ICT**

Due to the nature of this vocational course, students have not currently covered enough of the theory to be assessed in any depth at this stage. During the PPE window, students should continue with the Assignment Brief for the unit they are currently undertaking.

## **Computer Science**

**Paper 1** – 2 ½ hours (on the computer)

**Paper 2** – 1 ½ hours

**Paper 1** will be completed on the computer.

**Paper 2** will be a written exam.

**Students should bring** Pen and spare/pencil Calculator

### **Topics to be covered:**

**Paper 1** – 4.1-4.4 in the specification

**Paper 2** – 4.5-4.9 in the specification

### **Resources provided:**

Exam papers Files for the online exam

### **Revision resources:**

New revision resources will be provided. Students have made Revision Cards as we have gone through the year. Students should also use the Craig and Dave website for specific revision videos on topics they are unsure of. Isaac Computing.

## **French**

**Listening, reading & translation** - 2 ½ hours – 50%

**Critical response to film & novel** - 2 hours – 20%

**Speaking assessment** – 20 minutes (during lesson times) - 30%

**Students should bring** Pen & spare pen Own earphones if required/preferred

### **Topics to be covered:**

#### **L, R & T** Revise:

- Education in Francophone countries
- Immigration and racism
- Le Front National - Cultural dimensions of occupied France in WW2
- Culture and festivals/Patrimoine
- La Francophonie/French speaking countries in Africa
- Multiculturalism in France

#### **Film & novel** Revise:

- All of No et Moi essays, and complex structures (subjunctives, passive and idioms)
- The following essays on: Julien, Jean, Joseph, le père Jean, la guerre et l'antisemitisme.

#### **Speaking** Revise:

- RP project/presentation and potential follow up questions
- Photo card task: Asking and answering questions using AO4 in your responses
- All themes/topic areas covered throughout Year 12 & 13

**Resources we will provide:** Exam papers & resource folder for reading MP3 players with relevant audio files uploaded Earphones (or you may bring your own)

#### **Revision Resources:**

- Video resources about Francophone countries uploaded on SMH
- Grammar workbooks
- Novel and film + practice essays, worksheet with key vocabulary for complex language. - Vocab lists and knowledge organisers - Practice translations completed in class and for homework, plus from Eduqas website, and also practise translating extracts from literary sources
- Revision pack of Listening exercises and reading exercises (MP3's uploaded to Teams)
- Pack with detailed instructions for IRP and AO4 info sheets have been submitted for photocopying and will be distributed.

**\*\*Students are allowed up to ten key points in English to use as prompts in the IRP/presentation part of the speaking test\*\***

## **German**

**Listening, reading & translation** - 2 ½ hours – 50%

**Critical response to film & novel** - 2 hours – 20%

**Speaking assessment** – 20 minutes (during lesson time) - 30%

**Students should bring** Pen & spare pen

### **Topics to be covered:**

#### **L, R & T** Revise

- All topics (for details see the topic list in your language folder) and grammar

#### **Film & novel** Revise

- All aspects of the film and the novel

#### **Speaking** Revise

- your IRP presentation and follow up questions, plus topics for a speaking card

#### **Resources we will provide:**

- Exam papers & resource folder for reading
- Exam papers & resource folder for reading
- MP3 players with relevant audio files uploaded
- Earphones (or you may bring your own)

#### **Revision Resources:**

- Speaking cards revision booklet
- Knowledge organiser
- Quick revision booklet
- Grammar Workbook
- [www.memrise.com](http://www.memrise.com)
- [www.languagesonline.org.uk](http://www.languagesonline.org.uk)

**\*\*This will be a full PPE with all aspects of all exams covered.\*\***

## **Geography**

1 x 2½ hour paper.

**Students should bring** pen, pencil, ruler and calculator.

### **Topics to be covered:**

- Hazards
- Global Systems and Global Governance
- Contemporary Urban environments

#### **Revision resources:**

- A level textbook: AQA Geography, Skinner et al (2016)
- A level revision guides:
- My Revision Notes: AQA A-level Geography: Second Edition (2021),
- AQA Complete Revision & Practice, CGP A-Level Geography, (2021)
- AQA past papers <https://www.aqa.org.uk/subjects/geography/as-and-a-level/geography-7036/assessment-resources>
- Class notes



## **History**

1x 2 ½ hour paper:

**Civil Rights** - Paper will consist of 2 essay questions and 1 interpretation question

**Students should bring** Black pens, highlighter for annotation

### **Topics to be covered:**

Civil Rights in the USA 1865-1992

- African Americans
- Native American

### **Resources that will be provided:**

- Textbook
- Guidance of question technique
- Summary Circles sheets for topics.

### **Revision resources Civil Rights:**

Revision resources and activities will be provided via SMH

Students can also purchase revision guides as per link on SMH

**\*\* Specific topics to be clarified with students on receipt of information from OCR regarding focus areas for revision\*\***

1X 1 hour paper:

**Russia 1894-1941**- This will be a full paper 1 X 10 mark question 1X 20 mark question.

Students can choose from a set of two questions.

**Students should bring** Pen

### **Topics to be covered:**

- Tsarist Russia 1894-1914
- World War One
- Revolutions of 1917
- Civil War
- Lenin's Russia
- Rise of Stalin up to 1929

### **Resources that will be provided:**

- Textbook
- Guidance of question technique
- Summary Circles sheets for topics.

### **Revision resources Russia:**

- Textbook
- Revision guide
- Past paper questions to be found on the OCR website for unit Y219/01

<https://www.ocr.org.uk/qualifications/as-a-level-gce/history-a-h105-h505-from-2015/assessment/>

**\*\* Specific topics to be clarified with students on receipt of information from OCR regarding focus areas for revision\*\***

## **Politics**

1 x 2 hour **UK paper**

1 x 2 hour **US paper**

**Students should bring** Pen, Highlighter

### **UK paper:**

Constitution

Devolution

EU

Judiciary (Supreme Court)

Prime Minister and Cabinet

Parliament

Elections

Parties

Pressure groups

Democracy.

### **US paper:**

Constitution & Federalism

President & executive branch

Supreme Court & Civil Rights

Congress

Pressure groups

Parties

Elections

Comparative elements between US and UK

**Resources that will be provided:** Textbook, Revision organisers

### **Revision Resources:**

Textbook

Revision guide

Past papers unit 1 & 2 found on AQA website:

<https://www.aqa.org.uk/subjects/politics/a-level/politics-7152/assessment-resources>

**\*\*Specific topics to be clarified with students on receipt of information from AQA regarding focus areas for revision\*\***

## **Psychology**

2 x 2 hour papers.

**Students should bring** Pen Pencil Ruler Calculator

### **Topics to be covered:**

#### **Paper 1:**

- Issues and debates
- Relationships
- Schizophrenia
- Addiction

#### **Paper 2:**

- Attachment
- Psychopathology
- Approaches
- Research Methods

### **Revision resources:**

Classwork booklets, Revision flash cards, Textbooks

## **R.E.**

2 x 2 hour papers.

**Students should bring** a pen.

### **Topics to be covered:**

- Sexual Ethics
- Meta-Ethics
- Gender & Society
- Christian Moral Principles
- Religious Language
- Religious Experience
- Death & Eternal Life
- Augustine

### **Revision resources:**

Materials given out in lesson during the course

## **Sociology**

2 x 2 hour papers.

**Students should bring** a pen.

### **Topics to be covered:**

- Crime & Deviance
- Education
- Methods in Context
- Beliefs
- Theory & Methods

### **Revision resources:**

Materials given out in lesson during the course

## **Criminology**

1 x 1½ hour paper.

**Students should bring** a pen.

### **Topics to be covered:**

- Aims of punishment
- Forms of social control
- Processes of social control
- Law making
- Models of criminal justice
- Role of agencies in social control

### **Revision resources:**

Students should refer to all of their notes.

## **Cambridge Technical Sport Studies**

There will be no PPE in Sport Studies. During the PPE window students should continue to work on their individual assignments. All students have been given individual targets and deadlines which they need to work towards.

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

**Extended certificate (single) group 13C/Hs1-** 2 x 1 hour papers

**In addition for the Diploma (double) group 13E/Hs1** -2 x 1 hour papers

**Students should bring** a pen

### **Topics to be covered: Group 13C/Hs1**

- 1 paper = Unit 3 Health, Safety and Security, LO1 (Mrs Gilbert), Understand potential hazards in health, social and childcare environments
- 1 paper = Unit 4 Anatomy & Physiology (Mrs Gilbert), LO5 Understand the control and regulatory systems, malfunctions and their impact on individuals

### **Topics to be covered: Group 13E/Hs1**

- 1 paper = Unit 6 Personalisation, LO1 (Mrs Eastwood), Understand Personalisation in Health & Social Care
- 1 paper = Unit 6 Personalisation, LO3 Understand methods used to implement a person centred approach

### **Revision Resources: Group 13C/Hs1**

- Student work booklet that they have been working through in lessons.
- Hodder Education 'My Revision Notes' text book for Cambridge Technicals Level 3 H&SC
- Past paper pack

### **Revision Resources: Group 13E/Hs1**

- Student work booklet that they have been working through in lessons.
- Hodder Education 'My Revision Notes' text book for Cambridge Technicals Level 3 H&SC
- Past paper pack

## **D&T – Product Design**

1 paper 2½ hours.

**Students should bring** usual writing and drawing instruments, scientific calculator, Protractor and ruler.

### **Topics to be covered:**

- Adhesives
- Manufacturing processes of timbers
- Manufacturing processes of polymers
- Metals, including physical properties, working properties and characteristics
- Timbers, including physical properties, working properties and characteristics
- Polymers, including physical properties, working properties and characteristics
- Protective processes and finishes for metal
- Using heat to change the properties of metal
- Joining methods for timber
- Stock forms
- Welding processes
- Preparation of materials for preservation
- Environmental issues in construction
- Maths: Mass and length calculations
- National and international standards in product design Safe working practices, safety in products and services to the customer
- Protecting designs and intellectual property

### **Command words:**

- Calculate
- Compare
- Define
- Describe
- Evaluate
- Explain
- Identify
- Name
- State

### **Revision Resources:**

<https://www.aqa.org.uk/subjects/design-and-technology/a-level/design-and-technology-product-design-7552>

<https://technologystudent.com/>

PG Online theory work