

HELSEBY

Sixth Form



Year 13

Subject Specific Revision

Information for the

PPE's

February 2024

Maths

2 x 2 hour papers.

1 x Pure 1 x Statistics and Mechanics

Students should bring Calculator Pen, Pencil, Ruler etc.

Topics to be covered:

- All Year 12 topics
- Algebraic Methods
- Radians
- Differentiation
- Vectors
- Regression, Correlation and Hypothesis Testing

Resources we will provide: Formula Booklet

Revision resources:

- Active Learn
- Kerboodle
- Maths Genie
- Corbett Maths
- Dr Frost

Further Maths

3 x 1½ hour papers

1 x Pure 1 x Statistics and 1 x Mechanics

Students should bring Calculator Pen, Pencil, Ruler etc.

Topics to be covered:

- All Year 12 Topics
- Complex Numbers
- Methods in calculus
- Series
- Geometric and Negative Binomial
- Hypothesis testing
- Probability Generating Functions
- Elastic Energy
- Polar Graphs

Resources we will provide: Formula Booklet

Revision resources:

- Active Learn
- Kerboodle
- Maths Genie
- Corbett Maths
- Dr Frost

English Language

2 Papers:

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

Students should bring Writing equipment

Resources we will provide: Exam booklets

Revision Resources: Materials on ClassCharts and Teams, and in lessons materials folders. Students should revise using their class notes, folders, past papers and online resources

English Literature

1 Paper:

- Paper 2 Elements of Crime 3 hours
- Section A: Unseen crime extract analysis
- Section B: Questions on the set texts: "Atonement", "Oliver Twist" and Crime poetry
- Section C: Elements of Crime questions – Comparison of two of the set texts

Students should bring Writing equipment

Revision resources: See Teams ClassCharts and resources from the lessons. Students should revise using their class notes, folders, booklets and texts

Media Studies

1 paper 2½ hours

Topics to be covered:

- TV (Black Mirror & The Returned)
- Magazines (Vogue & The Big Issue)
- Online MEDIA (Zoe Sugg and 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?rId=1151>
- https://resource.download.wjec.co.uk/vtc/2021-22/wjec21-22_10-18/pdf/black-mirror-jan-junipero-factsheet.pdf
- <https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rId=1166>
- <https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rId=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.

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.

Drama and Theatre Studies

Component 3: 2hour 30 minute written paper

Students should bring: Red book (given to you) Pen Comfortable clothing to move in

Topics to be covered:

- Practitioner study
- Bertolt Brecht theatrical theories
- Lysistrata by Aristophanes
- That Face by Polly Stenham
- Scripted understanding
- Evaluating live theatre

Resources Provided:

- Rehearsal space
- Scripted choices
- Set texts
- Teacher expertise
- Trips to see live theatre

Revision resources:

- Study guides
- Resources on Ms Teams

It is a requirement that rehearsals also take place out of scheduled lessons

BTEC Science

Students will be sitting external examinations in this subject in January and will work on mock papers as preparation in lessons. No formal PPEs will be undertaken.

Biology

2 X 2 hour papers.

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

Topics to be covered:

- Y12 Content : All content can be assessed
- Y13 Content:
 - Section 5 (Energy transfer between organisms) S
 - Section 6 (Organisms respond to changes in their environment)
 - Selected parts of sections 7 and 8 (to be advised in class)
- **Paper 1** – A mix of Year 12 content, and an essay from Paper 3 (could include Y12 and Y13 content)
- **Paper 2** – A mix of Year 13 content, and synoptic paper 3 questions (could include Y12 and Y13 content)

General How Science Works (graphs, data analysis, evaluating and interpreting data, comprehension and analysis of new information) and required practicals may also be assessed.

Revision resources: Will be provided on Class Charts (summary grids, and sample questions)

Chemistry

Paper 1: Inorganic & Physical Chemistry 105 marks – 2 hours

Paper 2: Organic & Physical Chemistry 105 marks – 2 hours

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&A2).

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); 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 x 2 hour papers –

Students should bring Pen, Pencil, Ruler, Rubber, Protractor and Scientific Calculator

Paper 1: A-Level paper 2 exam Marks 85 Split 60 short and long answers and 25 multiple choice

Topics to be covered:

Paper 1:

- Further Mechanics and Thermal Physics
- Fields and their consequence
- Nuclear Physics
- NO questions on Capacitance

Paper 2: A-Level paper 3 exam

Paper 2:

- Section A: Practical skills data analysis
- Section B: Astrophysics (telescope & stars only)
- Could include A2 content covered this year (paper 2 content)

Resources provided:

- Equation and Data Booklet

Revision Resources: All provided on ClassCharts

BTEC Business

Students will be sitting external examinations in January and will work on mock papers as preparation in lessons. No formal PPEs will be undertaken.

BTEC ICT

Students will be sitting external examinations in January and will work on mock papers as preparation in lessons. No formal PPEs will be undertaken.

Economics

1 x 2 hour paper

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

Topics to be covered:

All Y12 and Y13 **Micro** Economics (The whole of the micro specification 1.1 to 1.5)

<https://www.ocr.org.uk/Images/536455-specification-accredited-a-level-gce-economics-h460.pdf>

Resources provided: Case Study and question paper

Revision Resources: Revision guide. Please attend after school revision sessions On Tuesday in C71

Business Studies

1 x 2 hour paper

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

Topics to be covered:

- 3.2 Leadership and Decision making
- 3.3 Marketing
- 3.5 Finance
- 3.7 Analysing the position
- 3.9 Growth and innovation

Resources provided: Case Study and question paper

Revision resources:

- Revision guide
- Knowledge guide

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:

- All Y12 language topics
- All Y12 grammar
- All Y13 language topics (so far)

Film & novel – One essay (from 2 choices) on each. Revise:

- All of No et Moi and La Haine essay plans (characters and themes) and complex structures (subjunctives, passive and idioms) and short quotes/evidence to justify your points.

Speaking Revise:

- Photo card task: Asking and answering questions using AO4 in your responses
- All themes/topic areas covered throughout Year 12 & 13 (so far)

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:

- Topic skills practice on Kerboodle
- Grammar practice on Kerboodle
- Novel and film practice essays / essay plans
- Vocab lists and knowledge organisers
- Practice translations (see French A Level digital resources) on the Eduqas website
- Your AO4 facts to learn for photo cards

Geography

1 x 2½ hour paper.

Students should bring pen, pencil, ruler and calculator.

Topics to be covered:

- Global systems and Global governance
- Changing Urban Environments
- Hazards

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, revision guides and past papers should be used to support independent revision

History

1x 2½ hour paper worth 80 marks:

Civil Rights in the USA 1865-1992 – Full paper – all topics covered so far

Students should bring Black pens, highlighter for annotation

Revision resources Civil Rights:

Revision resources and activities will be provided via SMH

Students can also purchase revision guides as per link on SMH

All revision resources will be provided in lessons and on ClassCharts however you can also purchase the OCR 'My Revision Notes' guide.

<https://www.hoddereducation.com/subjects/history/products/16-18/my-revision-notes-ocr-a-level-history-civil-rights>

Politics

1 x 2 hour paper worth 77 marks

Students should bring Pen, Highlighter

Topics to be covered:

Government and Politics of the USA and Comparative Politics

- Constitution
- Elections
- Supreme Court
- Civil Rights

Revision Resources:

Resources provided by class teacher and placed on Classcharts.

- A revision guide is available from Hodder Education / Amazon
[https://www.hoddereducation.com/subjects/government-politics/products/a-level-\(1\)/my-revision-notes-aqa-a-level-politics-us-and-co](https://www.hoddereducation.com/subjects/government-politics/products/a-level-(1)/my-revision-notes-aqa-a-level-politics-us-and-co)
- Past papers for Unit 2 can found on AQA website: AQA | AS and A-level | Politics
- Assessment resources <https://www.tutor2u.net/politics/reference/edexcel-a-level-politics-bumper-revision-quiz-for-component-2> (Designed for Edexcel but content is the same)

Psychology

1 x 2 hour paper.

Students should bring Pen Pencil Ruler Calculator

Topics to be covered:

- Issues and Debates
- Relationships
- Schizophrenia
- Addiction

Revision resources: Classwork booklets, Revision flash cards, Textbooks

R.E.

3 x 2 hour papers.

Students should bring a pen.

Topics to be covered:

All of the topics from Ethics and Philosophy plus topics covered so far with DCT

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:

Paper 1

Full Beliefs: paper = 40 marks

- Theories of religion
- Social change
- Types of religious organisations

Education: paper = 4 marks 6 marks 10 marks

- Whole unit

Methods in Context: paper = 20 marks

- Interviews

Paper 2

Crime and Deviance: 4, 6, 10, 30 marks questions

- Globalisation
- Class and Crime
- Punishments
- Surveillance and Crime prevention strategies

Theory and Methods: 10 and 20 mark questions

- Interpretivists and qualitative methods of research
- Feminism

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:

- Internal/external forms of social control
- Parliamentary and judicial law making
- Relationships between the agencies of the criminal justice system

Revision resources:

Students should refer to all of their notes.

Cambridge Technical Sport Studies

Sport and Physical activity

Topics to be covered:

Unit 1. Body systems and the effects of physical activity

1 x 1½ hour paper - June resit students only

Unit 3. Sports Organisation and Development

1 x 1 hour paper – Students not sitting in January series

Revision Resources:

Unit 1 - All revision materials are available on the shared drive:

W:\PE\Cam Tech\Unit 1 Body Systems

Unit 3 -All revision materials are available on the shared drive:

W:\PE\Cam Tech\Unit 3 organisation & development

Level 3 Cambridge Technical - Health and Social Care Single Award

1 x 1 hour paper – **Unit 3** Health, Safety & Security LO1 Hazards in health, safety & security (Mrs Eastwood's unit)

1 x 1 hour paper - **Unit 4** Anatomy & Physiology, LO6 Sensory systems (Mrs Gilbert's Unit)

(No Written PPE2 in either Mrs Gilbert's or Mrs Eastwood's units for **HSC Diploma Double Award**)

Topics to be covered:

- 1 paper = Unit 3 Health, Safety and Security, LO1 Hazards in health, safety and security
- 1 paper = Unit 4 Anatomy & Physiology, LO6 Sensory systems

Revision Resources:

For each separate written assessment the following are the best sources of revision:

- Lesson pack
- Independent study pack
- Exam pack
- Revision book: https://www.amazon.co.uk/My-Revision-Notes-Cambridge-Technicals/dp/1510442308/ref=sr_1_1?crid=1372W5K4TEJS4&keywords=hodder+my+revision+notes+l3+health+and+social&qid=1670929637&s=books&prefix=hodder+my+revision+notes+l3+health+and+social%2Cstripbooks%2C55&sr=1-1

D&T – Product Design

1 paper 2½ hours - Paper 1 Technical Principles

1 paper 1½ hours – Paper 2 Designing and Making principles

Ongoing live NEA task which is part of their final grade. This will be in every one of Mr Kelly's lessons.

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

Topics to be covered:

Paper 1:

- Materials and their applications
- Performance characteristics of materials
- Enhancement of materials
- Forming, redistribution and addition processes
- The use of finishes
- Modern industrial and commercial practice
- Digital design and manufacture
- Product design and development
- Health & safety
- Protecting designs and intellectual property
- Design for manufacture, maintenance, repair and disposal
- Feasibility studies
- Enterprise and marketing in the development of products
- Design communication.

Paper 2:

- Design methods and processes
- Design theory
- How technology and cultural changes impact designer
- Critical analysis and evaluation
- Selecting tools, equipment and processes
- Accuracy in design and manufacture
- Responsible design
- Design for manufacture and project management
- National and international standards in product design

Revision Resources:

For each separate written assessment the following are the best sources of revision:

- Class theory folders
- PG online powerpoints (already uploaded to classcharts as topics have been covered)
- The following text books are useful to support revision for the exam papers:
<https://www.amazon.co.uk/AQA-AS-Level-Design-Technology/dp/1510414088>
<https://www.amazon.co.uk/My-Revision-Notes-Technology-Product/dp/151043229>