

HELSEBY

Sixth Form



Year 13

Subject Specific Revision

Information for the

PPE's

February 2025

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
- 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
- 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. 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
- Section C: Elements of Crime questions – Comparison of two of the set texts

Students should bring Writing equipment

Revision resources: 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.

Performing Arts

Students will not sit a PPE as they will have completed a written external examination in January 2025

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)
- General How Science Works (graphs, data analysis, evaluating and interpreting data, comprehension and analysis of new information) and required practicals may also be assessed.
- **Paper 1** – Largely 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)

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: AQA A-level Physics paper 2

- Further Mechanics and Thermal Physics
- Fields and their consequence (Include Gravitational Fields, Electric Fields, Capacitance)
- Limited questions on Magnetic fields up to the covered content
- Nuclear Physics

Paper 2: A-Level paper 3 exam Marks 80 split 45 short and long answer questions on section A & 35 short and long answers on Section B

Paper 2: AQA A-Level Physics paper 3

- Section A: Practical skills data analysis (All A-level required practicals)
- Section B: Astrophysics (Up to covered content)

Resources provided:

- Equation and Data Booklet

Revision Resources: All provided on ClassCharts

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.

Computer Science

Paper 1 (MGR) on the computer: 1 x 1 hour paper

Topics to be covered:

- 4.1 Fundamentals of programming
- 4.2 Fundamentals of data structures
- 4.4 Theory of computation

Paper 2 (MDA) written paper: 1 x 2 hour paper

Topics to be covered:

- 4.5 Fundamentals of data representation
- 4.6 Fundamentals of computer systems
- 4.7 Fundamentals of computer organisation and architecture
- 4.8 Consequences of uses of computing
- 4.9 Fundamentals of communication and networking
- 4.10 Fundamentals of databases

Revision Resources:

- Isaac computer science revision books
- Craig and Dave videos
- Cornell notes the students should have
- Grokking Algorithms
- Essential algorithms and data structures
- Revision booklets

Business Studies

1 x 2 hour paper

Paper 2 including short answer questions, calculations and longer questions including case studies

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

Topics to be covered:

- 3.1 What is a Business?
- 3.2 Management Leadership & Decision Making
- 3.3 Marketing
- 3.4 Operations
- 3.5 Finance
- 3.6 Human Resources
- 3.7 Strategic Positioning
- 3.8 Strategic Direction

Resources provided: Case Study and question paper

Revision resources:

- AQA A Level Business Revision Guide
- Tutor2u A Level AQA Business Knowledge Book
- Tutor2u Revision Cards for Theories and Models
- Tutor2u.net including videos, study notes and quizzes
<https://www.tutor2u.net/business/reference>
- Student folders and class revision notes

Economics

1 x 2 hour paper

Paper 1 The assessment of Component 1 relates to microeconomics and consists of data response questions and extended response questions. Students select one extended response question from a choice of two, both of which require a quantitative response. Students then select one question from a choice of two which do not require a quantitative response

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

Topics to be covered:

- All micro content from Year 12 and 13 covered to date
- Introduction to microeconomics 1.1-1.3
- The role of markets 2.1 – 2.11
- Business objectives 3.1 - 3.3
- Market structures 4.1 – 4.5
- The labour market 5.1 – 5.3

Resources provided: Case Study and question paper

Revision Resources:

- A Level Economics Revision Guide
- Tutor2u A Level AQA Economics Knowledge Book
- Tutor2u.net including videos, study notes and quizzes
<https://www.tutor2u.net/economics/reference>
- Econ plus Dal website
- Save my Exams website
- Student folders and class revision notes

BTEC Business

Students will be sitting external examinations in January and following this a Controlled Assessment. Students 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.

History

1x 2½ hour paper worth 80 marks:

Q1: Compulsory depth study interpretations (30 marks)

Q2-4: Answer two essay questions (25 marks each)

Topics to be covered:

Civil Rights in the USA 1865-1992

- African Americans
- Labourers

Students should bring Black pens, highlighter for annotation

Revision resources:

- Worksheets in files
- Textbooks Civil Rights in the USA
- Revision guide: My Revision notes: OCR A-level History: Civil Rights in the USA 1865-1992 by Mike Wells

Politics

1 x 2 hour paper worth 77 marks

Q1-3 3 x 9 marks

Q4: Extract question (25 marks)

Q5/6: Answer one essay question (25 marks)

Students should bring Pen, Highlighter

Topics to be covered:

Government and Politics of the USA and Comparative Politics

- Political Parties
- Elections
- Legislatures
- Executives
- Constitution
- Supreme Court
- Civil Rights

Revision Resources:

- Worksheets in files
- UK and USA Textbooks
- Revision Guide: My Revision notes: AQA AS/A-level Politics: UK Politics by [Rowena Hammad](#)
My Revision notes: AQA A-level Politics: US and Comparative Politics by [Rowena Hammad](#)
- <https://www.tutor2u.net/politics/> (designed for Edexcel but the subject knowledge is the same)

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

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 No et Moi essay plans (characters and themes) and complex structures (subjunctives, passive and idioms) and short quotes/evidence to justify your points.
- La Haine - please revise the elements we have covered so far (context, characters, themes)

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)

German

Listening, reading & translation – 1 hour 45 minutes

Literature Exam - (Translation section and 1 essay on Goodbye Lenin) – 1 ½ hours

Speaking – 23 minutes (appointment to be arranged with MFL Staff)

Students should bring Pen & spare pen highlighter pen

Topics to be covered:

- Revise all of the AS topics, including A04 facts for the speaking exam (Family; Technology; Youth culture – music, fashion, tv; Festivals & Traditions; Art and Architecture and Berlin cultural life then and now)
- Practise grammar covered to date and learn some of the key rules
- Revise all the main characters and themes from 'Goodbye Lenin', specific vocabulary & short quotes from the film and some phrases to help sequence your ideas.

Resources we will provide: Printed exam papers & photo card. Lined exercise paper.

Revision resources:

- All language & grammar notes – exercise book and folders
- Past papers (we will do some practice papers together in class too)
- Language Nut vocabulary and grammar tasks
- A04 Fact lists (a few key dates/examples/statistics/trends from German or German-speaking countries)
- Cheat sheets from 'Goodbye Lenin' on key themes & characters; study guide book and past essays with feedback and redrafts
- Vocabulary lists – printed lists and audio on Kerboodle
- Vocabulary builder tasks on Kerboodle per topic
- Interactive listening & reading tasks on Kerboodle per topic
- Example speaking answers on Kerboodle per topic
- End of unit 'test yourself' tasks on Kerboodle
- Wiederholung section and tasks at end of each unit

NOTE: Where possible Kerboodle revision tasks can be assigned to you. Wiederholung tasks will require using the online textbook. Your teacher will explain in class.

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.

Criminology

1 x 1½ hour paper.

Students should bring a pen.

Topics to be covered:

- AC1.1 Describe processes used for law making
- AC1.2 Describe the organisation of the Criminal Justice system in England and Wales
- AC1.3 Describe models of Criminal Justice
- AC2.1 Explain forms of social control
- AC2.2 Discuss the aims of punishment

Revision resources: Students should refer to all of their notes.

Psychology

2 x 2 hour papers.

Students should bring Pen Pencil Ruler Calculator

Topics to be covered:

- Issues and debates
- Relationships
- Schizophrenia (only the content covered so far in lessons)
- Addiction (only the content covered so far in lessons)
- Approaches in psychology
- Psychopathology
- Attachment
- Research methods
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Revision resources: Classwork booklets, Revision flash cards, Textbooks

Sociology

2 x 2 hour papers.

Students should bring a pen.

Topics to be covered:

Paper 1- PJO

Topics to be covered:

- Surveillance
- Social Class and Crime
- Left and Right Realism
- Interpretivism and research methods
- Marx Sociological Theory

Paper 2 – MLA

Topics to be covered:

- Theory of Religion
- Religion and Social Change
- Research Methods
- Methods in context

R.E.

3 x 2 hour papers.

Students should bring a pen.

Topics to be covered:

Paper 1: Philosophy

- Religious Language
- Arguments based on reason (Ontological argument)
- Nature and attributes of God
- Plato

Paper 2: Ethics

- Natural Law
- Business Ethics
- Kant
- Meta-Ethics

Paper 3: DCT

- Pluralism and multi-faith society
- Knowledge of God's existence natural and revealed theology
- Jesus
- Christian Moral Principles

Revision resources: Materials given out in lesson during the course and on Class Charts

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

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>

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

1 x 1 hour paper - **Unit 4** Anatomy & Physiology, LO6 Sensory systems

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-Technical/dp/1510442308/ref=sr_1_1?crid=1372W5K4TEJS4&keywords=hodder+my+revision+notes+l3+health+and+social&qid=1670929637&s=books&srefix=hodder+my+revison+notes+l3+health+and+social%2Cstripbooks%2C55&sr=1-1

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

- Assessments for Unit 6 "personalisation" will take place in our own lesson time as and when we get to the end of each LO

Revision Resources:

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