

HELSEBY

Sixth Form



Year 12

Subject Specific Revision

Information for the

Assessments

April 2026

Art

Students will sit one exam (5hrs)

The focus of the exam is to further develop their independent work through experimentation and sampling with materials

Students are expected to work with a variety of processes that link to their artists and concepts. No revision is required.

Biology

1 Paper: 2 hours long

The following topics may be assessed.

Section 1: Biological Molecules

Section 2: Cells

Section 3: Organisms exchange substances with their environment

Section 4: Genetic information, variation and relationships between organisms

Essentially, all of the AS/Paper 1 content can be assessed.

General How Science Works skills (eg Maths, Graphs) will also be assessed

Revision resources

Will be provided on ClassCharts, including

- <https://mmerevise.co.uk/a-level-biology-revision/>
- Digital learning grids

OCR National in IT: Data Analytics

Students will sit one exam on F201 – Big data and machine learning - 1hour 30min. (Mr Griffin)

The topics to be covered include:

- 1.1 The six characteristics (6Vs)
- 1.2 The evolution of big data
- 1.3 How big data is captured
- 1.4 The purpose, importance and use of big data analytics
- 2.1 Types of big data
- 2.2 Data preparation and cleaning techniques for data mining
- 2.3 Data mining techniques
- 2.4 Big data infrastructure
- 2.5 Data science and data analytics
- 2.6 Data analytic techniques
- 3.1 Artificial Intelligence and machine learning

Recommended revision resources are:

OCT National in IT: Data Analytics Student Book

Business Studies

A Level Business AQA Exam Board

The end of year assessment will consist of paper 1 and paper 2 with multiple-choice questions, short answer questions and case study questions.

You will also have a non-case study question where you will be given a choice between two 25-mark essay options.

You will have two hours to complete the assessment and there are 100 marks available.

Section A: 40 marks

- Multiple-choice questions covering all areas of topics 3.1 – 3.6
- Short answer questions will cover a range of topics including market share, market growth, price elasticity, exchange rates, payback and average rate of return

Section B: 35 marks

- Case Study questions including marketing, human resources and economic environment

Section C: 25 marks

- Choice between two essay questions
- Either Human Resources or Marketing question

Revision Resources

- Revision Guide pages 2 – 95
- Knowledge Book pages 1 – 42
- <https://www.tutor2u.net/business>

Level 3 Cambridge Technical Diploma in Health & Social Care

Students will sit a full mock exam paper for Unit 3: Health, Safety & Security.

It will be 1.5 hours in duration and cover the following:

- LO1 - Understand potential hazards in health, social care and child care environments
- LO2 Understand how legislation, policies and procedures promote health, safety and security in health, social care and child care environments
- LO3 Understand the roles and responsibilities involved in health, safety and security in health, social care and child care
- LO4 Know how to respond to incidents and emergencies in a health, social care or child care environment

Recommended revision resources are:

- Hodder 'My Revision Notes' textbook
- Unit 3 Lesson Pack
- Unit 3 LO3 Independent Study Pack
- Unit 3 Exam pack

Cambridge Technical Sport Studies

UNIT 1: Body systems and the effects of physical activity

One 90-minute assessment (70 marks)

Topics to include:

1. Understand the skeletal system in relation to exercise and physical activity
2. Understand the muscular system in relation to exercise and physical activity
3. Understand the cardiovascular system in relation to exercise and physical activity
4. Understand the respiratory system in relation to exercise and physical activity
5. Understand the different energy systems in relation to exercise and physical activity

Specification and past papers: [Cambridge Technicals - Sport and Physical Activity](#)

All course materials to be made available on Class Charts and SharePoint

Chemistry

Paper 1 Physical & Inorganic Chemistry 60 marks / 75 mins

- Atomic structure,
- **Amount of substance,**
- **Bonding,**
- Energetics,
- Equilibrium & K_c,

Paper 2 Physical & Organic Chemistry 60 marks / 75 mins

- **Amount of substance,**
- **Bonding,**
- Kinetics,
- Introduction to Organic Chemistry,
- Alkanes,
- Alkenes,
- Halogenoalkanes.

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.

<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.

[AQA A-level Chemistry Revision - PMT](#) - Physics&maths tutor website.

Computer Science

2 x Exam Papers

Paper 1: Programming completed on the computer (MGR) - 1 Hour 30 mins

Paper 2: Theory (MDA) - 1 Hour 30 mins

Topics:

Paper 1:

- 4.1.1 Programming
- 4.1.2 Programming paradigms
- 4.2.1 Data Structures/abstract data types
- 4.3 Fundamentals of algorithms

Paper 2:

- 4.5 Fundamentals of data representation
- 4.6 Fundamentals of computer systems
- 4.7 Fundamentals of computer organisation and architecture (up to what we have covered)

Revision Resources:

Revision textbook provided and material during the lesson

Additional Information:

Craig n Dave link – this covers the whole course so make sure to look at the videos of the topics we have covered.

https://www.youtube.com/playlist?list=PLCiOXwirraUDUYF_gDYcZV8Hce8dsE_Ho

Criminology

You will have a full paper which is 1 hr 30 mins

You need to revise the following topics:-

- Social constructions of criminality (AC1.1 & 1.2)
- Theories of crime (AC2.1, 2.2 & 2.3)
 - Biological
 - Individualistic
 - Sociological
- Causes of criminality (AC3.1 & 3.2)
- Evaluate the effectiveness of criminological theories to explain causes of criminality (AC4.1,4.2 & 4.3)

Use your class notes and revision materials you have been given in lesson

www.tutor2u.net/criminology also has useful revision material

D&T – Product Design

Paper 1: Technical Principles - 2 hours.

Paper 2: Designing and Making Principles – 1 hour.

Topics could include.

- Materials and their applications
- Testing of materials
- Classification of materials
- Performance characteristics of Papers and boards
- Wood Processes, Joining and forming methods
- Performance characteristics of polymer-based sheet and film
- Thermoplastics
- Timber stock forms
- Timber categories and examples
- Performance characteristics of metals – Stock Forms
- Classification of metals
- Performance characteristics of metals – Properties and Characteristics
- Woods finishes
- Jigs and Fixtures
- Performance characteristics of polymers – Properties and Characteristics
- Performance characteristics of polymers – Stock forms
- Elastomers
- Biodegradable Polymers
- Planning for accuracy and efficiency
- Smart Materials
- Quality assurance and quality control
- Modern Materials
- Composite Materials
- Metal enhancement processes
- Polymer enhancement processes
- Timber enhancement processes

Revision resources:

- Students may refer to their theory folder, classwork and resources provided during lessons.
- It is also recommended that pupils refer to the AQA text book that has been previously mentioned:
<https://www.hachettelearning.com/design-and-technology/aqa-as-a-level-design-and-technology-product-design>
- The link following link to the course specification may also be helpful.
<https://www.aqa.org.uk/subjects/design-and-technology/a-level/design-and-technology-7552/specification>

Economics

Duration: One two hour paper.

Exam Board: Edexcel Specification A

https://qualifications.pearson.com/content/dam/pdf/A%20Level/Economics/2015/specification-and-sample-assessment-materials/A_Level_Econ_A_Spec.pdf

Equipment needed: Calculator, ruler, pen, pencil, rubber

Revision Resources: Your folders and the revision notes you have been making since September in your independent study time, specification and knowledge organisers given at the start of the course, Revision book provided to you in September, Revision website – Tutor2U and Econ Plus Dal

Additional Information: The examination will be a combination of multiple-choice questions, data response questions and essays

All topics from Theme 1 for both staff need to be revised for the exam:

Theme 1: Introduction to markets and market failure

1.1 Nature of Economics

- 1.1.1 Economics as a social science
- 1.1.2 Positive and normative economic statements
- 1.1.3 The economic problem
- 1.1.4 Production possibility frontiers
- 1.1.5 Specialisation and the division of labour
- 1.1.6 Free market, mixed economy and command economy

1.2 How Markets Work

- 1.2.1 Rational decision making
- 1.2.2 Demand
- 1.2.3 Price, income and cross elasticities of demand
- 1.2.4 Supply
- 1.2.5 Elasticity of supply
- 1.2.6 Price determination
- 1.2.7 Price mechanism
- 1.2.8 Consumer and producer surplus
- 1.2.9 Indirect taxes and subsidies
- 1.2.10 Alternative views of consumer behaviour

1.3 Market Failure

- 1.3.1 Types of market failure
- 1.3.2 Externalities
- 1.3.3 Public goods
- 1.3.4 Information gaps

1.4 Government Intervention

- 1.4.1 Government intervention in markets
- 1.4.2 Government failure

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 Class Charts 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 lesson

French

2 papers

- Listening, Reading and translation – 2hrs 30 (50% of the qualification)
- Writing - 2hrs (20% of the qualification)

Theme:

- Being a young person in French-speaking society (families, youth trends, education and employment)
- Understanding the French-speaking world (regional, culture and heritage, Media, art, film and music)
- Diversity and difference (Y13 topics)
- France 1940-1950 the occupation and post-war years (Y13 topics)

For the writing exam, you will be asked to write two essays on No et moi. One on a theme, and the other on a character or characters. Please revise all your notes and essays on No et moi.

Resources:

- No et moi novel
- No et moi literature study guide
- French top ten online resources
- Y12 vocabulary book
- Eduquas interactive online resources
- Eduquas website past papers

Further Maths

2 Papers

- Paper 1 – Pure – 1hr 30
- Paper 2 – Stats and Mechanics 2 hrs (1 hour each)

Topics:

Paper 1 – Pure

- Complex numbers
- Argand diagrams
- Series
- Roots of polynomials
- Matrices
- Linear transformations
- Proof by induction
- Vectors

Paper 2 – Stats and Mech

Stats:

- Discrete random variables
- Poisson distributions
- Hypothesis testing
- Chi-squared tests

Mech:

- Momentum and Impulse
- Work, energy and power
- Elastic collisions in one dimension

Resources Provided: Formula Booklet

Equipment Required: Calculator

Revision resources:

- Active Learn
- Completed Assessments
- Folders
- Exit Tickets

Geography

1 x 2-hour 15 minutes

Topics:

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

Types of Questions:

4-mark, 6 mark and 20-mark questions.

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

Unit 1 The Early Tudors 1485-1529

1 x 40 minute examination

Write one essay from a choice of two questions.

Topics:

- Henry VII
- Henry VIII up to 1529

Equipment Required: Black Pen

Revision Resources:

- Revision schedule to be provided by your teacher, including activities to be completed each week at home and in class.
- Guidance on question technique provided by teachers.

Unit 2 Russia 1894-1917

1 x 60-minute examination

One compulsory question (split into 10-mark and 20-mark questions)

- Nicholas II
- The Revolutions of 1917

Equipment Required: Black pen

Revision Resources:

- Revision tasks to be provided by your teacher, including activities to be completed each week at home and in class.
- Guidance on question technique provided by teachers.

Maths

2 Papers – 2 hours each

- Paper 1 – Pure
- Paper 2 – Stats and Mechanics

Topics:

Paper 1 – Pure

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

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

Resources Provided: Formula Booklet

Equipment Required: Calculator

Revision resources:

- Active Learn
- Completed Assessments
- Folders
- Exit Tickets
- Hinds Maths – YouTube
- 1stClassMaths – A level revision

Media Studies

One paper (Component 2, Sections A&B only) two hours long.

Topics to be covered:

- TV: Black Mirror & Les Revenants (The Returned)
- Magazines: Vogue & The Big Issue

Revision resources:

- Notes from class.
- Eduqas exam board produced fact-sheets:
[black-mirror-jan-junipero-factsheet.pdf](#)
[Eduqas A Level Media Studies C2 Factsheet - The Returned.pdf](#)
- Eduqas exam board blended learning materials (interactive online)
Black Mirror [Black Mirror - Blended Learning](#)
The Returned <https://resources.eduqas.co.uk/pages/ResourceSingle.aspx?rlid=1151>

Magazines: <https://resources.eduqas.co.uk/pages/ResourceSingle.aspx?rlid=1037>

- All the Mrs Fisher Youtube revision videos for each of these set texts:
[\(379\) A Level Media - Black Mirror: San Junipero - Representation - YouTube](#)
[A Level Media - Black Mirror: San Junipero - Media Language](#)
[A-Level Media - Vogue - Industry](#)
[A-Level Media Studies - Vogue - Representation](#)
- ZigZag e-revision packages purchased for all students - accessed via school email.

Photography

Students will sit one exam (5hrs)

The focus of the exam is to further develop their independent work through experimentation. Students are expected to work with a variety of processes that link to their artists and concepts. No revision is required.

Physics

Paper 1 - 1 hour 30 minutes, Paper 2 - 1 hour 30 minutes

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

Topics to be covered:

- Measurement and errors
- Particles and radiation
- Waves
- Mechanics and materials
- Electricity

Paper 1 - Full AS Level paper 1 - 70 Marks split over short and long answer questions

Paper 2 – Full AS Level paper 2 - 70 Marks split over three sections:

Section A – 20 marks of short and long questions on practical skills and data analysis

Section B – 20 marks of short and long questions from across all areas of content

Section C – 30 multiple choice questions

Resources provided:

- Equation sheet

Revision Resources: Information and resources available via ClassCharts

Useful Revision Sources

- Knowledge organisers provided by Dr Roberts
- CGP Revision Guide
- Past papers and markschemes
- Recall definition and laws summary
- [Physics & Maths Tutor](#)
- [All of AS PHYSICS in 35 mins \(AQA\)](#)
- [A Level Physics Revision: All of Foundations of Physics - Units, Prefixes, Errors, Uncertainties](#)
- [All of PARTICLES & QUANTUM in 15 mins - AS & A-level Physics](#)

Politics

Paper 1 Government & Politics of the UK

2 hour examination

Possible Topics:

- Constitution
- Judiciary
- Devolution
- The European Union
- Democracy and Representation
- Elections
- Parliament
- Political Parties

Equipment required: Pen and highlighter for the extract question.

Revision Resources

- Revision tasks to be provided by your teachers, including activities to be completed each week at home and in class.
- Guidance of question technique to be provided by teachers

Psychology

You will have two papers

1. Paper 1 will be 1 hour 30-minute paper on Approaches and Research Methods
2. Paper 2 will be 1 hour paper on Social Influence and Memory

Please use the revision materials you have been given in lesson

Sociology

You will have 2 papers

Paper 1 Education – 1hr 10 mark and 30 mark question

Paper 2 Families – 1hr 2 x 10 mark questions and a 20 mark question

Please revise the following:-

Education (all topics)

1. Theories of education
2. Social policy
3. Social class and achievement
4. Ethnicity and achievement
5. Gender and achievement

Family (all topics)

1. Theory of the family – including policy and surveillance
2. Changing patterns and diversity
3. Gender roles and changes within the family
4. Childhood
5. Demography