

HELSEBY

High School



**Achieving Success
Valuing Others**

2025 - 2026

Year 10

Quick Guide

Preparation for

Assessment 2

Art and Photography

There will be no PPE in Art or Photography.

Both Art and Photography have a weighting of 60% coursework. Students' completed work to date will be assessed at this time.

Business

GCSE Business PPE 2026

Exam Structure Overview

- **Total Marks:** 90
- **Duration:** 2 assessments each 45 minutes split over the double lesson
- **Sections:**
 - **Section A:** Short-answer and calculation questions
 - **Section B:** Case study based on a business scenario
 - **Section C:** Case study based on a business scenario

Types of Questions

- Multiple-choice questions
- Short-answer questions
- Data response and interpretation
- Calculation-based questions (e.g., profit, cash flow)
- Extended writing requiring analysis and evaluation

Key Topics

1.1 Enterprise and Entrepreneurship

- Roles and characteristics of entrepreneurs
- Risks and rewards in starting a business
- Ways to reduce business risk

1.2 Spotting a Business Opportunity

- Understanding customer needs
- Market research methods
- Market segmentation
- The competitive environment

1.3 Putting a Business Idea into Practice

- Business aims and objectives
- Revenue, costs, and profit calculations
- Cash flow and its importance
- Sources of business finance

1.4 Making the Business Effective

- Types of business ownership
- Business location factors
- The marketing mix (4Ps)
- Purpose and components of a business plan

1.5 Understanding External Influences on Business

- Stakeholders and their impact
- Technological influences on business
- Legislation affecting businesses
- Economic factors (e.g., interest rates, unemployment)

Revision Resources

- Edexcel GCSE Business Revision Guide Pages 1- 42 (*students have been given a revision guide*)
- Edexcel GCSE Business Knowledge Book Pages 1-42 (*students have been given a knowledge book*)

GCSE Bitesize Edexcel Business Revision Links

- <https://www.bbc.co.uk/bitesize/guides/zm4krij6/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/zjitmfr/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/zkqp6v4/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/z6y9ri6/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/z7scbdm/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/zn3847h/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/z48x7nb/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/zjmfpg8/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/z4wtmfr/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/z7t3f4j/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/zrwtmfr/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/zmnr382/revision/1>
- <https://www.bbc.co.uk/bitesize/guides/zdxynrd/revision/1>

GCSE Computer Science

1 hour 30 min PPE (split between 2 lessons – 45 mins each (Lesson 2 & 3 on a Wednesday))

The PPE will include all the work covered this year, which includes the following topics. Page numbers refer to the revision guide.

3.1 Fundamentals of algorithms

- 3.1.1 Representing algorithms (Definitions only) (pages 1-2)

3.2 Programming (Pages 23-27 for programming in Python – in class workbook)

- 3.2.1 Data types (page 8)
- 3.2.2 Programming concepts – Selection only (IF statements) (pages 10, 12-13)
- 3.2.3 Arithmetic operations in a programming language (page 9)
- 3.2.4 Relational operations in a programming language (page 9)
- 3.2.6 Data structures (pages 18-20)
- 3.2.7 Input/output (page 23)
- 3.2.8 String handling operations in a programming language (page 11)

3.3 Fundamentals of data representation

- 3.3.1 Number bases (pages 38, 41)
- 3.3.2 Converting between number bases (pages 38, 41-42)
- 3.3.3 Units of Information (page 37)
- 3.3.4 Binary arithmetic (page 39-40)
- 3.3.5 Character encoding (page 43)
- 3.3.6 Representing images (page 44)
- 3.3.7 Representing sound (page 45)
- 3.3.8 Data compression (pages 46-48)

3.4 Computer systems

- 3.4.1 Hardware and software (page 50)
- 3.4.2 Boolean logic (pages 34-36)
- 3.4.3 Software classification (pages 57-59)
- 3.4.4 Classification of programming languages and translators (page 60)
- 3.4.5 Systems architecture (page 50-56)

3.5 Fundamentals of computer networks (pages 65-69, 72)

Craig'n'Dave videos may also help. Note these videos are for the full course so only select the relevant ones at this time.

<https://craigndave.org/student-stream/aqa-gcse/>

Design & Technology

Year 10 Design & Technology – Written Assessment
Assessment duration: 1 x 45 -minute written assessment

Equipment required: Calculator, pen, pencil, ruler, and eraser

Possible topics include:

Timbers

- Types: hardwoods, softwoods, manufactured boards
- Properties and uses
- Basic techniques for shaping and joining

Polymers

- Thermoplastics and thermosetting plastics
- Common uses and properties
- How they're shaped and processed

Metals

- Ferrous, non-ferrous, and alloys
- Key properties (e.g. strength, rust resistance)

- Common shaping and joining methods

Stock Forms & Standard Components

- Materials in standard sizes (sheets, rods, etc.)
- Standard parts (e.g. screws, hinges)

Sustainability

- Reducing waste and energy use
- Social responsibility in design
- Social and Cultural Issues
- Designing for different users and cultures
- Inclusive and accessible design
- The Six Rs

CAD/CAM

Drawing and Communication Techniques

- Isometric and orthographic drawing
- sketching and labelling ideas clearly

Suggested Revision Resources:

- Pupils should refer to their classwork and the resources provided during lessons including homework.
- A digital revision guide will also be uploaded to class charts.
- BBC Bitesize (AQA GCSE Design & Technology):
<https://www.bbc.co.uk/bitesize/examspecs/zby2bdm>
- Recommended revision guide (optional purchase): CGP GCSE Design & Technology – AQA Revision Guide <https://www.cgpbooks.co.uk/secondary-books/gcse/design-technology/d-t/tar42-new-gcse-design-technology-aqa>

English

English Literature

Section A: 'Macbeth' Extract Question 20 minutes (25 mins for those students with extra time)

Students will be given a short extract from 'Macbeth'. They will be asked a question which will focus on the characters in the extract and how the audience respond to the extract in question.

In preparation for this question students need to revise the characters and plot of 'Macbeth'. They should use their access to Seneca and the revision materials given to them by their class teacher. This is in addition to the revision notes they have made whilst studying the text and any class notes, materials and their booklets.

'Macbeth' Whole Text Question 40 minutes (50 minutes for those students with extra time)

Students will be given a question that will focus on either a character(s) from the play or a key theme. They will be expected to explore the ideas linked to the question focus and comment on how Shakespeare has presented either the character or theme.

Example question: Write about the relationship between Macbeth and Lady Macbeth and how it is presented at different points in the play.

In preparation for this question students need to revise the characters, themes and plot of 'Macbeth'. They should use their access to Seneca and the revision materials given to them by their class teacher. This is in addition to the revision notes they have made whilst studying the text and any class notes, materials and their booklets. Students will also be expected to provide evidence from the text in their response so should be able to remember key quotations to use within their answers.

*5 of this question's marks are allocated for accuracy in spelling, punctuation and the use of vocabulary and sentence structures.

Section B: Poetry Anthology

'The Schoolboy', 'I wandered Lonely as a Cloud', 'Cousin Kate', 'Sonnet 29', 'I Shall Return', 'Catrin', 'Blackberry Picking', 'Dusting the Phone' and 'Origin Story'.

Q1 20 minutes (25 minutes for students with extra time)

Students will be given a printed copy of one of the poems listed above. They will be asked a question which will focus on the poem and the ideas it explores.

In preparation for this question students need to revise the poems listed above. They should use their access to Seneca and the revision materials given to them by their class teacher. This is in addition to the revision notes they have made whilst studying the poems and any class notes, materials and their booklets.

Q2 40 minutes (50 minutes for students with extra time)

Students will be given a question that will ask them to compare the printed poem with a poem of their choice from the poems listed above. They will be expected to explore the ideas linked to the question focus and comment on how the poets have presented their ideas.

In preparation for this question students need to revise the poems listed above. They should use their access to Seneca and the revision materials given to them by their class teacher. This is in addition to the revision notes they have made whilst studying the poems and any class notes, materials and their booklets. Students will also be expected to provide evidence from the poem, of their choice from the selection, in their response so should be able to remember key quotations to use within their answers.

English Language

Section A: Creative Prose Reading 1 hour (1 hour and 15 minutes for students with extra time)

Students will be given an extract from a piece of fiction. They will be asked a series of questions on the extract. The questions will ask them to retrieve information, analyse the writer's methods to explain how they have presented their ideas, comment on impressions created by the writer and evaluate the text in the light of a statement provided on the exam paper. There are 5 questions in this section.

Students should prepare for this examination by completing previous exam papers - provided by their teachers and revising their knowledge and understanding of the method for approaching the questions studied in lessons.

Section B: Creative Prose Writing 45 minutes (60 minutes for those students with extra time)

The English Language Examination will test the students' ability to write a short story. Students will be able to choose a title from a choice of four. 16 of the available marks are awarded for vocabulary, sentence structure, spelling and punctuation.

Students are expected to write between 450 and 600 words.

Students should prepare for this examination by practising their creative writing skills, revising their knowledge and understanding of a range of sentence structures, punctuation and paragraphing techniques. Students should also revise a range of linguistic and narrative techniques that they can employ in their own creative piece.

Students should aim to build a range of engaging, precise and sophisticated vocabulary to utilise in their response. Reading a range of short stories and flash fiction will develop their story writing ability and help to increase their vocabulary range.

Enterprise and Marketing

Enterprise and Marketing (Mrs Kavanagh) will not be sitting a PPE as they are working on R068 / 9, the NEA .

Food Preparation & Nutrition

As students have only just sat their end of unit 3 written assessment and will have only just started unit 4 content, there will be no assessment during this fortnight for food. Data from all end of unit written and practical assessments so far, will be used to generate a grade.

Further Maths

Students will complete two assessments: one **non-calculator paper** and one **calculator paper**, each lasting **1 hour**. The two papers were worth **80 marks in total** and assessed a range of topics covered this term

<https://corbettmaths.com/more/further-maths/> has lots of helpful videos and practise questions you could use to revise. The revision list below has been created by listing the topics from this website that we have covered.

Number

- Product Rule for Counting
- Surds (addition/subtraction)
- Surds (rationalising denominators)

Algebra

- Expanding Brackets
- Expanding 3 Brackets
- Expanding Brackets (Pascal's Triangle)
- Factorisation (including quadratics)

- Algebraic Fractions (add/subtract, multiply, divide)
- Changing the Subject
- Factor Theorem
- Algebraic Long Division (use these questions to revise but note that we used the grid method and comparing coefficients method, not long division)
- Factorising cubics
- Solving cubics
- Completing the square
- Sketching quadratics
- Solving quadratics (factorisation, completing the square quadratic formula)
- Simultaneous equations (both linear, non-linear, 3 unknowns)
- Linear and quadratic inequalities
- Laws of indices (including fractional and negative)
- nth Terms
- Limiting Values
- Linear and quadratic Sequences

Coordinate Geometry

- Gradient
- Parallel Lines
- Perpendicular Lines
- Distance between two points
- Midpoint of a line
- Ratio (lines)
- Equation of a line
- Equation of a circle (centre is origin)
- Equation of a circle (centre is not the origin)
- Equation of a Tangent to a Circle

Geography

Year 10 Geography – Written Assessment

Assessment duration: 1 x 45 -minute written assessment
1 x 35-minute written assessment

Equipment required: Calculator, pen, pencil, ruler, and eraser

Possible topics include:

Pupils will complete a full Geographical Skills Paper- split across two timetabled sessions.

In the first section, pupils will be tested on a range of geographical skills including cartographic, graphical and statistical.

In the second section, pupils will be assessed on their understanding of fieldwork.

To support revision, pupils are encouraged to review past papers, alongside reviewing their class notes on the Liverpool fieldwork. The following sites may be of use to support independent revision:

Geographical skills

<https://www.bbc.co.uk/bitesize/topics/zi4kh4j>

Fieldwork

<https://www.bbc.co.uk/bitesize/topics/z8gcxg8>

Past Papers

<https://www.physicsandmathstutor.com/past-papers/gcse-geography/ocr-a-paper-3/>

Health and Social Care

As students have just finished their first of two REAL non-examination tasks (coursework), which will account for 30% of their final grade, they will not be in a position to sit a written paper examination during this window. A mock written assessment will be taken in lesson time once the new topic area unit of work has been completed.

History (OCR History B – SHP)

Students will sit a 55 minute paper on Elizabethans 1580-1603.

This will be split across two lessons (Assessment 1 25 mins and Assessment 2 30mins)

The topics to be covered are:

- Daily Lives
- Merry England

The format of the assessment will be

Q6: a) 3 mark interpretation b) 5 mark 'investigation'

Q7 Comparison of two interpretations

Q8/9 Write one essay from a choice of two. 20 marks.

Students are following a revision schedule to help them prepare for the assessment. This includes a specific task each week and will be followed up with a short knowledge test in class the following week. Students will take their books home to revise. A revision guide is available to purchase on ScoPay.

Students may also find it helpful to use the following websites to revisit topics and quiz themselves.

<https://www.bbc.co.uk/bitesize>

<https://senecalearning.com/en-GB/> (click 'Students use for free' and use your school email and password to log-in)

Maths

Maths will sit 2 90 minute papers. These are from 2 sets of full GCSE papers. Paper 1 will be non-calculator. Paper 2 will be a calculator. Please bring in your own scientific calculator for these exams. The best place for past papers for revision is <https://www.mathsgenie.co.uk/papers.php>

Foundation

Four rules with decimals

Factors, multiples, primes, squares, cubes

Prime factors, HCF, LCM

Percentages

Fractions

Ratio

Rounding, estimation, BIDMAS

Negative numbers

Basic algebra

Assessment

Substitution

Coordinates

Expanding and factorising

Solving Equations

Solving equations with unknowns on both sides

Sequences

Inequalities

Indices

Angles

Angles in parallel sides

Area and perimeter

Circles

Plotting graphs

FDP

Four rules with fractions

Averages

Probability

Two way tables and stem and leaf

Growth and decay

Standard form

Transformations

Pythagoras

Surface area and volume

Straight line graphs

Real life graphs, plotting quadratics

Compound measures

Vectors

Plans and elevations

Angles in polygons

Bearings

Averages from a table

Scatter graphs
Pie Charts
Probability trees

Higher

HCF/LCM
Ratio/Fractions
Ratio Hard
Product Rule for counting/Percentages
Percentages
Expand and factorise
Factorise/solve quadratics
Factorising quadratics with coefficient
Simultaneous Equations
Inequalities / Changing the subject
Pythagoras/trigonometry
3D Pythagoras/3D trigonometry
Angles
Angles in polygons
Bearings (with trig)
Pie charts
Cumulative frequency/box plots
Averages from a table
Scatter graphs/frequency polygons/stem and leaf
Standard form
Area, surface area, volume
Circles, cylinders, spheres
Probability
Probability trees
Compound measure
Straight line graphs
Quadratic graphs/Cubic/reciprocal graphs
Indices
Surds
Surds rationalising
Recurring decimals
Quadratic nth term
Changing the subject with factorising
Sine Rule / cosine Rule
Sine Area and trig bearings
Quadratic formula
Completing the square
Plotting and sketching graphs
Arcs and Sectors
Segments
Parallel and perpendicular lines
Direct and inverse proportion
Transformations
Similar shapes
Congruence similar APV
Iteration
Algebraic Fractions

Media Studies

Pupils will sit **Section A of a Component One paper** (one hour in length) and will be assessed on some of the following texts/topics, so must revise all of them:

- Film industry – James Bond ‘No Time To Die’ & ‘The Man With The Golden Gun’ posters and promotion.
- Advertising – Quality Street & NHS 111.
- Magazines – Vogue & GQ

There will also be an ‘unseen’ element, as in pupils will be required to compare and contrast a text that they have not studied, with one that they have. Pupils must also revise:

- Media Studies theories: Todorov’s narrative theory, Propp’s character archetypes, Mulvey’s feminist theory, Strauss’ binary oppositions, and Blumler & Katz’s Uses & Gratifications theory – Mrs Fisher Youtube theory revision videos are excellent.
- Media Studies terminology – refer to glossary provided at the start of the year.

Revision resources:

- Notes in folders and books from class.
- Mrs Fisher revision videos for each set text and each key theorist on Youtube.
- Eduqas exam board fact sheets – all printed off for you and in your folders.
- Zig-Zag e-revision – accessed via your school email.

MFL - French

There are four exams in the French GCSE: listening, reading, speaking and writing. You completed writing for your core task last term and you will do a speaking exam in July. During the assessment fortnight, you will complete a **GCSE reading exam** and a **GCSE listening exam** in lessons

For both reading and listening skills, you don’t need to produce any French, you are simply recognising the vocabulary that you read and hear. For these exams, the most useful preparation is to revise vocabulary from the AQA set list.

Either:

work through your vocab booklet, highlighting the words you know and using the technique of ‘Look/cover/write/check’ for the words you don’t know. Remember, that you only need to recognise French words into English, you won’t be writing out the French, in these two exams.

or:

complete the tasks which you find most useful on Language Nut. Your teacher will have uploaded lots of revision sets for you.

MFL - German

There are four exams in the German GCSE: listening, reading, speaking and writing. You completed writing for your core task last term and you will do a speaking exam in July. During the assessment fortnight, you will complete a **GCSE reading exam** and a **GCSE listening exam** in lessons

For both reading and listening skills, you don’t need to produce any French, you are simply recognising the vocabulary that you read and hear. For these exams, the most useful preparation is to revise vocabulary from the AQA set list.

Either:

work through your vocab booklet, highlighting the words you know and using the technique of 'Look/cover/write/check' for the words you don't know. Remember, that you only need to recognise French words into English, you won't be writing out the French, in these two exams.

or:

complete the tasks which you find most useful on Language Nut. Your teacher will have uploaded lots of revision sets for you.

Music

Year 10	Date – Period - Teacher
10aMu1	Thursday 23 rd of April – P2 & P3 GSI

Students will be completing an adapted GCSE exam which will include all topics which students have currently studied. This exam is in two sections. Section A is a listening test in which students answer questions based on what they hear. Section B will be a written section in relation to the set works we have studied so far including an essay question. Students should use their books/ online resources to prepare by studying the elements of music and key words. Also, students should revise how Section B will focus on Beethoven.

Online resources

[GCSE Music - AQA - BBC Bitesize](#)

Students should search 'GCSE Music AQA BBC Bitesize' and scroll down to the 'music theory' section which details several pages to support learning on the elements of music. Students will also be able to find several revision resources on Beethoven's First Symphony.

Students will also have access to their books containing all the notes from Beethoven.

PE

45-minute assessment

Topics may include:

1. The structure and functions of the musculo-skeletal system
2. The structure and functions of the cardio-respiratory system
3. The relationship between health and fitness and the role that exercise plays in both
4. The components of fitness, benefits for sport and how fitness is measured and improved
5. The principles of training and their application to personal exercise/ training programmes

Revision resources:

[Edexcel GCSE Physical Education \(2016\) | Pearson qualifications](#) (specification)

[Edexcel GCSE Physical Education \(2016\) | Pearson qualifications](#) (past papers and mark schemes)

[GCSE Physical Education - Edexcel - BBC Bitesize](#)

[Edexcel GCSE PE Resources & Online Learning – The PE Classroom](#)

[Pearson REVISE Edexcel GCSE \(9-1\) Physical Education Revision Guide: For 2024 and 2025 assessments and exams - incl. free online edition : Simister, Jan: Amazon.co.uk: Books](#)

RE

Students need to revise the following areas: -

- Marriage and family
- Living the Christian life
- Matters of life and death

Science

GCSE Biology Combined Science Trilogy – 45 minutes assessment

Your assessment will be on the first 4 large topics of the course. Content was taught in year 9 and 10. The following is an indication of the broad content that you could be tested on.

- Cell Biology: eg. Animal/Plant/Bacterial Cells, Cell differentiation, Microscopy, Stem cells, Chromosomes, Mitosis, Diffusion, Osmosis, Active transport
- Organisation: eg. Diffusion, Blood, Heart Structure, Gas Exchange, Blood Vessels, Digestion, Enzymes.
- Bioenergetics: eg. Aerobic Respiration, Anaerobic Respiration, Exercise, Metabolism, Photosynthesis
- Health and Disease: eg. Non-communicable disease and communicable disease, Human defence systems, Vaccination, Antibiotics, Painkillers, Discovery and development of drugs.
- How Science Works skills such as; analysing data, simple calculations and evaluating information.
- Required practicals:
 - o Microscopy
 - o Osmosis
 - o Food tests
 - o Enzymes (pH and amylase)
 - o Rate of Photosynthesis

You will be provided with digital copies of knowledge organisers and past papers, and links to useful websites.

GCSE Chemistry Combined Science Trilogy – 45 minutes assessment

Your assessment will be based on part of the paper 1 chemistry content. This includes the content taught in year 9 and 10. The following topics can be assessed:

- Atomic Structure
- The periodic table
- Structure & Bonding
- Chemical Changes
- How Science Works skills such as; analysing data, simple calculations and evaluating information.
- Required Practical Activities:
 - Preparing a soluble salt
 - Measuring temperature change

Your assessment will last 45 minutes, and you should bring a pen, pencil, calculator and ruler.

All revision resources are available on MS Teams – GCSE Separate Science.

Including revision mats, summary notes, knowledge organisers, podcasts and past papers.

GCSE Physics Combined Science Trilogy - 45 minutes assessment

Your assessment will be based on a Paper 1 physics exam, for which the content was taught in year 9 and 10. The following topics can be assessed in Paper 1

- P1 – Energy stores & transfers
- P2 – Energy transfers by heating
- P3 – Energy resources
- P4 – Electric Circuits
- P5 – Electricity in the Home
- P6 – Particle Model of Matter
- P7 - Radioactivity
- How Science Works skills such as; analysing data, simple calculations and evaluating information.
- Required practical Activities:
 - Investigating specific heat capacity
 - Investigating I-V Characteristics
 - Investigating the resistance of a wire
 - Investigating density

Your assessment will last 45 minutes, and you should bring a pen, pencil, calculator and ruler.

You will be provided with digital copies of knowledge organisers and useful revision links via ClassCharts.

A full paper 1 revision homework is set on Seneca for all students to complete prior to the assessment.

GCSE Separate Science: Biology 2x 45 minutes assessments

Your assessment will be on the first 4 large topics of the course. Content was taught in Years 9 and 10. The following is an indication of the broad content that you could be tested on.

- Cell Biology: eg. Animal/Plant/Bacterial Cells, Cell differentiation, Microscopy, Stem cells, Chromosomes, Mitosis, Diffusion, Osmosis, Active transport
- Organisation: eg. Diffusion, Blood, Heart Structure, Gas Exchange, Blood Vessels, Digestion, Enzymes.

- Bioenergetics: eg. Aerobic Respiration, Anaerobic Respiration, Exercise, Metabolism, Photosynthesis
- Health and Disease: eg. Non-communicable disease and communicable disease, Human defence systems, Vaccination, Antibiotics, Painkillers, Monoclonal antibodies, Plant disease, Discovery and development of drugs.
- How Science Works skills such as; analysing data, simple calculations and evaluating information.
- Required practical's:
 - o Microscopy
 - o Osmosis
 - o Food tests
 - o Enzymes (pH and amylase)
 - o Microbiology (Effect of antibiotics on bacterial growth)
 - o Rate of Photosynthesis

You will be provided with digital copies of knowledge organisers and past papers, and links to useful websites.

GCSE Separate Science: Chemistry 2x 45 minutes assessments

Your assessment will be based on part of the paper 1 chemistry content. This includes the content taught in year 9 and 10. The following topics can be assessed:

- Atomic Structure
- The periodic table
- Structure & Bonding
- Chemical Changes
- Moles – quantitative chemistry. No titrations.
- How Science Works skills such as; analysing data, simple calculations and evaluating information.
- Required Practical Activities:
 - o Preparing a soluble salt
 - o Measuring temperature change

Your assessment will last 2 x 45 minutes, and you should bring a pen, pencil, calculator and ruler.

All revision resources are available on MS Teams – GCSE Separate Science.

Including revision mats, summary notes, knowledge organisers, podcasts and past papers.

GCSE Separates Science Physics 2x 45 minutes assessments

Your assessment will be based on a Paper 1 physics exam, for which the content was taught in year 9 and 10. The following topics can be assessed in Paper 1

- P1 – Energy stores & transfers
- P2 – Energy transfers by heating
- P3 – Energy resources
- P4 – Electric Circuits
- P5 – Electricity in the Home
- P6 – Particle Model of Matter
- P7 - Radioactivity
- How Science Works skills such as; analysing data, simple calculations and evaluating information.
- Required practicals:
 - o Investigating specific heat capacity

- o Investigating I-V Characteristics
- o Investigating the resistance of a wire
- o Investigating density

Your assessment will last 2 x 45 minutes, and you should bring a pen, pencil, calculator and ruler.

You will be provided with digital copies of knowledge organisers and useful revision links via ClassCharts.

A full paper 1 revision homework is set on Seneca for all students to complete prior to the assessment.

Sociology

Please revise all of the topics for Family and Research methods

You can use your class notes, revision materials that we have been creating during the course or you can use the links on ClassCharts to Seneca

Paper 1 Families

1. Functions of Families

Key Functions

Functionalist View – Murdock and Parsons

Feminist View

Marxist View

2. Family Forms

Types of Families

Family Diversity – The Rappoport

3. Conjugal Role Relationships

Conjugal Roles

Domestic Division of Labour

Feminist Critique – Ann Oakley

4. Changing Relationships in Families

Historical Changes

Symmetrical Family – Young and Wilmott

Stratified Diffusion

5. Criticisms of Families

Marxist View – Eli Zaretsky

Feminist View – Christine Delphy and Diana Leonard

6. Divorce

Divorce Trends, Reasons and consequences

You also need to revise Research Methods

Research Design

- **Research aims** – what the researcher wants to find out.
- **Hypothesis** – a testable statement predicting a relationship between variables.
- **Pilot study** – a small trial run used to test research methods.
- **Data analysis** – examining results to identify patterns and conclusions.

Sampling

- **Sample** – a smaller group chosen to represent a larger population.
- **Sampling methods** include random, stratified, quota and opportunity sampling.
- Sampling is used because studying the entire population is usually impractical.

Research Methods

Main Methods

- **Questionnaires** – written sets of questions completed by participants.
- **Interviews** – direct questioning of participants (structured or unstructured).
- **Observations** – watching and recording behaviour in social settings.

Evaluating Methods

You should be able to:

- Identify **advantages and disadvantages** of each method.
- Explain which method is **most suitable for a particular research topic**.

Types of Data

- **Quantitative data** – numerical data that can be analysed statistically.
- **Qualitative data** – detailed information about opinions, meanings and experiences.

Mixed Methods

- The **mixed methods approach** combines qualitative and quantitative research to gain a fuller understanding of a topic. - Triangulation

Sources of Data

Primary Data

- Data collected **first-hand by the researcher**.
- Examples: interviews, questionnaires and observations.

Secondary Data

- Data collected **by other researchers or organisations**.
- Examples: books, reports, government statistics and previous studies.

Statistics

- **Official statistics** – data produced by governments (e.g. census data).
- **Non-official statistics** – data from organisations such as charities or research groups.

Interpreting Data

Students should be able to:

- Interpret **graphs, charts and tables**.
- Identify **patterns and trends** in statistical data.

Practical Issues

Research can be affected by:

- **Time constraints**
- **Cost and funding**
- **Access to participants or research settings**

Ethical Issues

- **Informed consent** – participants understand and agree to take part.
- **Confidentiality** – protecting participants' identities.
- **Avoiding harm** – ensuring participants are not physically or psychologically harmed.