

**HELSEBY**

**High School**



Achieving Success  
Valuing Others

**Year 11**  
**Quick Guide**  
**Exam Preparation**  
**for PPE 1**  
**October 2022**

## **Computer Science**

Topics students need to revise include:

- 3.1 Fundamentals of Algorithms
- 3.2 Programming
- 3.3 Fundamentals of data representation
- 3.4 Computer systems

Revision Book/Cards

- Revision book - CGP GCSE AQA Computer Science Complete Revision and Practice for 2022 exams and beyond
- Pack of revision cards has been provided

Other revision resources

- Class work booklets
- Revision mats
- YouTube - Search AQA GCSE Computer Science - Craig 'n' Dave resources and MrBrownncs

## **Design & Technology** – No PPE

## **English Language**

English Language Paper 2 Writer's Viewpoints and Perspectives

Section A:

4 questions based on two unseen non-fiction texts. The questions will require you to retrieve information and identify and comment on the impact of the writer's choices and methods to demonstrate your understanding. You will be required to compare the texts and demonstrate your ability to synthesise information from both sources.

Section B:

You will be asked to write a piece of transactional/discursive writing. This will take the form of one of the following: letter, article, speech, essay or leaflet.

In this section you will be assessed on your writing skills.

There is advice on how to approach the questions and practice papers in the Year 11 GCSE Support area on Teams.

There are a number of revision guides available for GCSE English Language. If purchasing one make sure it is for the AQA syllabus.

## **English Literature**

### **English Literature Paper 1 Shakespeare and 19th Century**

Section A:

You will be asked an extract question on 'Macbeth'

The extract can be taken from any part of the text.

Section B:

You will be asked an extract question on 'A Christmas Carol'

The extract can be taken from any part of the text.

There is advice on how to approach the questions and practice papers in the Year 11 GCSE Support area on Teams.

There are a number of revision guides available for each text. If purchasing one make sure it is for the AQA syllabus.

## **Business**

The forthcoming PPE for GCSE Business will be based on Unit 1 (Year 10 work) only and will be in the format of a past paper, similar to the end of unit tests that students are used to. Students will have been given a personal learning checklist and revision materials by their class teacher. In our lessons, we will be revising Unit 1 for 2 weeks before the PPE.

Students should also use their revision guide (pages 1-41) and blue knowledge book (pages 4-25) which they have been given to use at home.

## **Expressive Arts**

### **Art & Photography** – NO PPE

### **Drama**

You will need to revise the set text 1984 including the context of the script, the characters and how you would play them, and how you would stage the play including set, costume lights and sound.

Revision sessions will happen on Wednesday evenings 3:10 - 4:15 in DS1.

Resources:

- Edexcel GCSE (9-1) Drama (Edexcel GCSE 9-1 Drama 2016) Paperback – 20 July 2016
- 1984 by George Orwell, Icke and Macmillan

Your teacher will provide you with an interactive booklet of notes and activities to help you revise 1984. You will also be given a range of practice papers to help you study. You will have access to the 1984 text but purchasing your own would be useful. You should research google images of past productions of the Icke and Macmillan version of the play ONLY as this will help you understand how to stage the play.

### **Music**

Mozart's Clarinet Concerto - Student should revise this area of study in relation to the elements of music. Students should revise the unfamiliar listening section as this is a big part of the exam. These areas of unfamiliar listening are as follows,

1. Western classical tradition 1650–1910
2. Popular music
3. Traditional music
4. Western classical tradition since 1910.

Students are welcome to join the revision sessions on Thursday evenings from 15:10 - 16:30. Students can also use this time to work on compositions/ performances. (Times & days can be flexible, please discuss with Mr Singh.)

Suggested revision book:

New 9-1 GCSE Music AQA Complete Revision & Practice with Online Edition & Audio: for exams in 2022 and beyond (CGP GCSE Music 9-1 Revision): CGP Books, CGP Books: Amazon.co.uk: Books

The teacher will provide students with a revision guide for the listening area of the exam.

There is a wealth of information on BBC Bitesize. The following link it to revise music theory relevant to our course. Music theory - GCSE Music Revision - AQA - BBC Bitesize

For visual learners, the following video is available and includes information for the whole piece. (119) AQA GCSE Music Set Works: Mozart Clarinet Concerto K.622 - Walkthrough - YouTube

### **Performing Arts:**

Students will be developing their Component 1 coursework during PPE time slots.

Students will need to watch the live theatre that has been uploaded to the Y11 GCSE support page. They will need to research the following musicals and practitioners.

Things I know to be True- Frantic Assembly

Come From Away- Musical Theatre

The Nutcracker – Matthew Bourne.

Students will need to evaluate the following elements of live theatre:

Acting

Roles and Responsibilities

Technical

Costume, set and props.

Directors inspiration

Contextual Factors

Themes within the piece

### **BTEC DIT** - No PPE

#### **Food Preparation and Nutrition**

Students will be carrying out a practical 2 hour food science investigation as part of their first real non-exam assessment (NEA) which accounts for 15% of their final GCSE grade. They will independently plan and prepare for it during food lessons in the weeks prior to the PPE window. It is therefore vital that all food lessons are attended in the run up to this session. School will be providing all resources needed for this assessment.

#### **Geography**

Students will need to revise all knowledge content for the following units:

- Landscapes of the UK
- People of the UK
- UK environmental Challenges
- Ecosystems of the planet

Revision guides have been issued by the department. Alternatively, new copies can be purchased online. The revision guide is: Blackshaw, R., Payne, J., Ross, S. (2018) Geography A OCR GCSE 9-1, Hodder Education

All students have a login to the GCSEpod website (<https://www.gcsepod.com/>)

#### **Health and Social Care**

RO21 Values of Care, 1 x 1 hour paper

- **Topics to be covered:**
  - LO2: Understand the importance of values of care and how they are applied.
- **Resources provided:**
  - LO2 Lesson workbook
  - LO2 Independent Revision Workbook
  - LO2 Exam Pack
  - A3 Knowledge Organiser for LO2
- **Additional Revision Resource:**
  - Text book ' My Revision Notes, Cambridge National L1/ 2 Health & Social Care' (ISBN 978-1-5104-2945-1)

#### **History**

1 x 1 hour paper on History Around Us

Two questions from a choice of three based on our visit to Quarry Bank Mill.

Revision resources provided by class teachers will include a full information booklet, modelled exemplar essays and knowledge organisers.

## **Maths**

The Maths department will provide a list of revision topics on Show My Homework. Students should revise all topics covered since the start of year 9.

There will be one non-calculator and one calculator paper. Students should provide their own calculator for the PPE.

Students should be working through past papers provided by their class teachers in preparation for the exam.

Revision resources :

<https://www.drfrostmaths.com/>

<https://www.mathsgenie.co.uk/gcse.html>

<https://corbettmaths.com/contents/>

<https://hegartymaths.com/>

<https://www.onmaths.com/>

## **Media**

For GCSE Media Studies, students will sit Section A of a Component 2 exam paper where they will be assessed on their knowledge of Crime TV. They will need to revise Crime TV genre conventions generally, and more specifically series one episode one of Luther, and series one episode one of The Sweeney 'The Ringer', focussing upon narrative and character representations, as well as the social historical context of each episode.

The Luther episode is available to watch on BBC iPlayer and The Sweeney episode is available on the Daily Motion website <https://www.dailymotion.com/video/x3o9umx>.

Students should also revise Media Studies terminology and theory, as they will need to use and apply this in their written responses.

The best and most relevant revision resources are all available for free online in the Digital Resources section of the Eduqas Media GCSE website, links below. ·

<https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rId=1054> ·

<https://resource.download.wjec.co.uk/vtc/2016-17/gft/eduqas/mediastudies/GCSE%20media%20studies%20Glossary.pdf>

## **MFL**

### **French**

Students will be given the writing, reading & listening components of a full AQA GCSE exam.

The practice speaking exams will be in January. Students will need to revise all of the topics covered so far and practise essay questions (90 word foundation and 150 word higher) on topics of:

Family & friends

Freetime (sport, media, technology)

Healthy living (not for the longer 90/150 word questions yet)

Town & region

Holidays

School

Future study, careers & other ambitions

Students will not be asked to write an essay on the final topic - worldwide & social issues.

Your teacher will explain to you how to revise, but your main source of information is the vocabulary booklet and Quizlet (just search Studio 4). There is lots of listening & reading practice that you can do on Active Learn. You would be well advised to write out some key sentences for each of the topic above, using all of your tenses. If you learn these, then you will be able to use them in your writing answers. Please see all the revision resources that are in Teams. The best & most reasonable revision guides are published by CGP, but make sure you get the AQA editions.

### **German**

Students will be given the writing, reading & listening components of a full AQA GCSE exam.

The practice speaking exams will be in January. Students will need to revise all of the topics covered so far and practise essay questions (90 word foundation and 150 word higher) on these same topics:

· School life;

· family,

· friends & relationships;

· free time (sport, media, technology);

· healthy living/lifestyle;

· home, town & region;

· holidays

The topics which we have not yet completed will still be covered generally, but you will not be asked to write an essay on these – careers/world of work, worldwide & social issues.

Your teacher will explain to you how to revise, but your main source of information is the vocabulary booklet. Please see all the revision resources that are in Teams. The best & most reasonable revision guides are published by CGP, but make sure you get the AQA editions.

## **GCSE Physical Education**

### 1. Applied anatomy and physiology

The structure and functions of the musculoskeletal system

- The functions of the skeleton
- Classification of bones
- Structure of the skeleton
- Classification of joints
- Movement possibilities at joints
- The role of ligaments and tendons
- Classification and characteristics of muscle types
- Location and role of the voluntary muscular system
- Antagonistic pairs of muscles
- Characteristics of fast and slow twitch muscle fibre types
- How the skeletal and muscular systems work together

The structure and functions of the cardiorespiratory system

- Functions of the cardiovascular system
- Structure of the cardiovascular system
- Structure of arteries, capillaries and veins
- The mechanisms required and the need for redistribution of blood flow
- Function and importance of red and white blood cells, platelets and plasma
- Composition of inhaled and exhaled air
- Vital capacity and tidal volume
- Location of main components of respiratory system
- Structure of alveoli
- How the cardiovascular and respiratory systems work together

Anaerobic and aerobic exercise

- Energy
- Energy sources

The short- and long-term effects of exercise

Short-term effects on:

- Lactate accumulation, muscle fatigue
- Heart rate, stroke volume and cardiac output
- Depth and rate of breathing
- How the respiratory and cardiovascular systems work together
- Long-term effects of exercise on the body systems
- Interpretation of graphical representations of heart rate, stroke volume and cardiac output values

### 2. Physical training

- The relationship between health and fitness
- The components of fitness
- The principles of training
- The long-term effects of exercise
- How to optimise training and prevent injury
- Effective use of warm up and cool down

## **Religious Education**

What topics the students need to revise:

- Christian Beliefs
- Marriage & the Family
- Living the Christian Life
- Matters of Life & Death

Revision Books:

- Pearson REVISE Edexcel GCSE (9-1) Religious Studies, Christianity & Islam Revision Guide. £4.49 from Amazon and WHSmith

Revision resources:

- Everything in your folders
- See Miss Corlett if you would like a textbook
- Miss Corlett has put detailed information on SMHW too.

## **Science**

### GCSE Biology Combined Science Trilogy

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.

You will be provided with digital copies of knowledge organisers and past papers, and links to interactive lessons such as Oak Academy

### GCSE Separate Science: Biology

Your assessment will be on the first 4 large topics of the course. Content was taught in Years 9, 10 and 11. 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.

You will be provided with digital copies of knowledge organisers and past papers, and links to interactive lessons such as Oak Academy.

### GCSE Chemistry Combined Science Trilogy

Your assessment will be on the first 5 topics of the course; taught in year 9 and 10.

- Atomic Structure & the Periodic Table: element compounds and mixtures, chemical formulae & equations, atomic models, subatomic particles, isotopes & relative atomic mass, development of the periodic table, Group 1, 7 and 0.
- Structure, Bonding, & the Properties of Matter: chemical bonds – ionic, covalent & metallic; properties of ionic, covalent & metallic substances, polymers, nanoparticles.
- Quantitative Chemistry: relative formula mass, conservation of mass, reactions involving gases, moles, concentration.
- Chemical Reactions: reactions of metals, reactions of acids, electrolysis. Required Practicals: 'Preparing Soluble Salts'; 'Electrolysis of aqueous solutions'
- Energy Changes: exothermic & endothermic reactions, reaction profiles

Required Practical: 'Temperature changes'

Suggestions for preparation materials and support:

You will be provided with digital copies of knowledge organisers and past papers, and links to interactive lessons such as BBC Bitesize, and My Science GCSE.

AQA GCSE Revision & Practice Guides Combined Science Trilogy Higher or Foundation - Oxford – available to purchase in school.



### GCSE Separate Science: Chemistry

Your assessment will be on the first 5 topics of the course; taught in year 9 and 10.

- Atomic Structure & the Periodic Table: element compounds and mixtures, chemical formulae & equations, atomic models, subatomic particles, isotopes & relative atomic mass, development of the periodic table, Group 1, 7 and 0.
- Structure, Bonding, & the Properties of Matter: chemical bonds – ionic, covalent & metallic; properties of ionic, covalent & metallic substances, polymers, nanoparticles.
- Quantitative Chemistry: relative formula mass, conservation of mass, reactions involving gases, moles, concentration, percentage yield, atom economy, gas volumes, Required Practical: 'Titrations'.
- Chemical Reactions: reactions of metals, reactions of acids, electrolysis. Required Practicals: 'Preparing Soluble Salts'; 'Electrolysis of aqueous solutions'
- Energy Changes: exothermic & endothermic reactions, reaction profiles

Required Practical: 'Temperature changes'

Suggestions for preparation materials and support:

You will be provided with digital copies of knowledge organisers and past papers, and links to interactive lessons such as BBC Bitesize and My GCSE Science.

AQA GCSE Revision & Practice Guides Chemistry Higher- Oxford – available to purchase in school.

### GCSE Combined Science: Physics

Your assessment will be on 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.

- Units P1, P2 and P3: Energy: eg. Kinetic / Gravitational energy calculations, Types of Energy, Energy Transfers and Efficiency, Work Done and Power, National and Global Energy Resources.
- Units P4 & P5: Electricity: eg. Circuit Symbols, Series and Parallel Circuits, Ohms Law, AC/DC and Plugs, The National Grid, Power, Current and Charge calculations, Electric Fields. Required Practical 15 - Resistance & 16 – I-V Characteristics.
- Unit P6: Particle Model of Matter: eg. Density, Changes of State, Internal Energy, Specific Heat Capacity, Specific Latent Heat, Particle Motion in Gases. Required Practical 14 – Specific Heat Capacity & Required Practical 17 – Density
- Unit P7: Radioactivity eg. Types of radioactivity, radioactive decay, uses of radioactivity and half-life.

You will be provided with digital copies of knowledge organisers and past papers, and links to interactive lessons such as Oak Academy.

Useful links: <https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/> <https://www.my-gcse-science.com/>

### GCSE Separate Science: Physics

Your assessment will be on 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.

- Units P1, P2 and P3: Energy: eg. Kinetic / Gravitational energy calculations, Types of Energy, Energy Transfers and Efficiency, Work Done and Power, National and Global Energy Resources. Required Practical 2 - Insulators.
- Units P4 & P5: Electricity: eg. Circuit Symbols, Series and Parallel Circuits, Ohms Law, AC/DC and Plugs, The National Grid, Power, Current and Charge calculations, Electric Fields. Required Practical 3 - Resistance & 4 – I-V Characteristics.
- Unit P6: Particle Model of Matter: eg. Density, Changes of State, Internal Energy, Specific Heat Capacity, Specific Latent Heat, Particle Motion in Gases. Required Practical 1 – Specific Heat Capacity & Required Practical 5 – Density
- Unit P7: Radioactivity eg. Types of radioactivity, radioactive decay, uses of radioactivity (including medical uses) half-life, fission and fusion.

You will be provided with digital copies of knowledge organisers and past papers, and links to interactive lessons such as Oak Academy.

Useful links: <https://www.physicsandmathstutor.com/physics-revision/gcse-aqa/> <https://www.my-gcse-science.com/>

## **Sociology**

What topics the students need to revise:

- Research Methods
- Families
- Education

Revision Books:

My Revision Notes: AQA GCSE (9-1) Sociology by Ian Woodfield and Rosie Owens

ISBN-10 1510423230 - available from AMAZON

Revision resources:

- Revision materials from year 10 and extra materials from Year 11
- We will go through exam structure and style in lessons
- Revision help is offered by Mrs Joyce you should have these dates and times from your teacher.
- Revision resources will be put on Show My Homework