



Year 11 Assessments

March 2021

Revision Topics

Biology - Edexcel

The following topics will be examined in the 1 hour 45 min Biology assessment:

- SB1 Key Concepts in Biology
- SB2 Cells and Control
- SB3 Genetics
- SB4 Natural Selection and Genetic Modification
- SB5 Health, Disease and the Development of Medicines
- SB6 Plant Structures and their Functions
- SB7 Animal Coordination, Control and Homeostasis

Specification booklets available online provide a checklist of the detailed content for each of the above.

Chemistry - Edexcel

Students should be familiar with all the Chemistry topics studied since Year 9. With reference to the Edexcel specification documents this equates to topics 0 to 8 plus points 9.10 - 9.21.

Classical Civilisation - OCR

For both papers, each topic has prescribed sources that pupils **must know** and be able to answer questions on.

Answers to the longer questions need to include both fact and argument / analysis – i.e. give your evidence and explain HOW it answers the question.

Myth and Religion Paper:

All topics covered in myth and religion. Pupils should all have a copy of the specification which has more detail than below and notes on all these topics.

If pupils would like access to the textbook, they should see Mrs Dicks and photograph the relevant sections (however, the notes they have are more detailed and comprehensive).

- The gods (including Homeric Hymn to Demeter)

- The Universal Hero: Heracles and Hercules
- Religion and the City: sanctuaries, temples, prayer, sacrifice, priests
- Myth and the City: Foundation stories: Poseidon and Athena; Theseus; Aeneas; Romulus and Remus
- Festivals: City Dionysia (includes theatre and drama); Great Panathenaia; Lupercalia; Saturnalia
- Myths and Symbols of Power: Centauromachy; Amazonomachy; Prima Porta; Ara Pacis
- Death and Burial: Preparation of body; funerary procession; Burial (NB stelai for Greece); Festivals for the Dead
- Journeying to the Underworld: Persephone and Demeter (Homeric Hymn to Demeter); Orpheus and Eurydice

Pupils should be able to compare Greek and Roman aspects for each of topic.

Roman City Life Paper

- Roman Housing: insula and domus
- Rome Home and Family: paterfamilias; patrons; clients; education; the dinner party (cena)
- Roman Society: Citizens; Senators; Equites; Slaves; Freedmen

Computer Science - OCR

Paper 1

- 1) Machine architecture, RAM, different types of memory
- 2) Operating systems, compression software, embedded systems
- 3) Network threats, encryption
- 4) Networking topology, hardware, wireless, virtual networks
- 5) Domain Name System
- 6) Environmental considerations

Paper 2

- 1) Sound, images and data representation
- 2) Flowcharts, trace tables, translators
- 3) Logic errors and syntax errors, abstraction, defensive and robust design
- 4) Data representation, binary, hex, logic gates
- 5) Algorithms using functions, data types, casting, check digits, binary search, use of bubble sort. Algorithm using loops selection and sequence

Detailed information can be found on Teams and in the notes and documents provided by subject teachers.

Design Technology – AQA

Time allowed: 2 hours

The paper is divided into three sections as follows:

- Section A Core technical principles
- Section B Specialist technical principles
- Section C Designing and making principles

The maximum mark for the paper is 100

Equipment needed:

- Black or blue pen, HB pencil, scientific calculator

Areas to be covered in the examination:

- Sensors
- Tolerances
- Forces
- Types of hard and softwood
- Types of polymer
- Types of ferrous, non-ferrous metals and alloys
- Modern manufacturing systems
- Types of lever and gears
- Modern materials
- Smart materials
- Renewable energy
- Crowdfunding and the Fair-trade organization
- Converting raw materials into stock forms
- Reinforcing physical and mechanical properties of materials
- Mass production processes
- Mechanical properties of materials
- Ethical decisions associated in the extraction of raw materials

- The Alessi design group, Arts and Crafts, The Bauhaus, Art Deco and Memphis
- User centred design and iterative design methods
- Safety, ergonomics and function in product design
- Advantages of CAD / CAM over traditional methods of product design, development and manufacture
- Quality control procedures used in manufacture

Applied mathematical questions (approximately 15% of the overall DT paper):

There will be approximately 15% applied mathematical questions in this paper. The level of difficulty is approximately equivalent to end of K33 / early KS4.

English Language - AQA

AQA Language Paper 1 FULL PAPER

All pupils should refer to their Language revision booklets for preparation for this paper.

- For Q5 (Section B) all pupils should revise the advice offered by their teacher on what makes great creative writing. Refer to resources on Teams/Sharepoint.
- All pupils should refer to the advice document for how to approach each question in Section A (Questions 1-4). This document is on Sharepoint if you can't find it on your class Team.
- All pupils should practise timed papers. You have been given access to past papers by your teacher – also check Teams/Sharepoint.
- All pupils should complete any specific revision work set by their teacher.

English Literature - AQA

- 'Macbeth' question (from AQA English Literature Paper 2), and

- **‘Power and Conflict’ poetry comparison question (from AQA English Literature Paper 1)**

Remember that AQA have rearranged the structure of the exam papers this year to make allowances for lockdown. The new exam structure is below:

AQA Literature Paper 1	AQA Literature Paper 2
‘Power and Conflict’ Poetry Comparison (tested in March assessment)	Shakespeare’s ‘Macbeth’ (tested in March assessment)
‘An Inspector Calls’ – J. B. Priestley	Unseen Poetry

All pupils should re-read their Shakespeare play (*Macbeth*) – remember that any passage could appear on the paper.

- All pupils should complete any revision work set by their teacher.
- It may be helpful to watch a production of ‘Macbeth’ (DVD, YouTube, AmazonPrime etc).
- All pupils should be accessing Teams and/or the English Sharepoint area to revise Knowledge Organisers. Specimen papers will also be available on Sharepoint/your Team.
- If you would like to undertake timed practice over the half-term break, you should give yourself 45 minutes.
- All pupils must learn key quotations (in groups according to characters and themes).
- All pupils should be prepared to discuss key social and historical issues which affect our interpretation of the language/character motivation/events in the plot.
- All pupils must revise technical terminology for language analysis.

All pupils should go back over their notes for all of the ‘Power and Conflict’ poetry.

- All pupils should complete any revision work set by their teacher.
- It may be helpful to watch Mr Bruff’s videos on YouTube, and/or watch the relevant Massolit lectures.

- All pupils should be accessing Teams and/or the English Sharepoint area to revise Knowledge Organisers. Specimen papers will also be available on Sharepoint/your Team.
- If you would like to undertake timed practice over the break, you should give yourself 45 minutes.
- All pupils must learn key quotations (for each poem: target the opening, the ending, and key images/key lines).
- All pupils should be prepared to discuss key social/historical/biographical context, which affect our interpretation of the language/themes.
- All pupils must revise technical terminology for language analysis.

All pupils must practise making comparisons across two poems.

Geography - Edexcel

Paper 1: This will include elements from the 6 units covered up to Christmas 2020. To reduce the amount of revision required, many of the questions will be based on responding to data in the form of photos and data tables. There will also be questions requiring calculations to be made so you will need to bring a calculator to the exam.

The topic areas that you should revise are:

- Measuring levels of development
- Environmental impacts of economic development
- Quality of life in Mumbai
- Plate boundaries
- Impacts of tropical cyclones
- Coastal management techniques
- Formation of river landforms
- Impact of TNCs on the UK economy
- Sustainable living in cities
- Land use zones in Birmingham
- Choosing locations for fieldwork
- Use of primary and secondary data in fieldwork

Paper 2: This will be a Decision Making Paper based on the use of a Cold Environment.

You will be lead through preparations for this Paper by your teacher in lessons.

History - Edexcel

1. Henry VIII and his ministers, 1509-40

Henry VIII and Wolsey

- Henry VIII as England's new King
- The rise of Wolsey and his domestic policies
- Wolsey's foreign policy
- Wolsey and the annulment crisis
- Wolsey's fall from power

Henry VIII and Cromwell

- Cromwell's rise to power
- The reasons for the fall of Ann Boleyn
- Henry's marriage to Jane Seymour
- Cromwell's reform of government
- The fall of Cromwell

The Reformation and its impact

- The break with Rome
- Opposition to the Reformation
- The dissolution of the monasteries
- The Pilgrimage of Grace

2. Superpower relations and the Cold War, 1941-91

Early tension between East and West

- The development of the Cold War 1947-49
- The Cold War intensifies including arms race and Hungary

Cold War crises, 1958-70

- Berlin Wall
- Cuba Crisis
- Prague Spring

The End of the Cold War, 1970-91

Attempts to reduce tension between East and West
Flashpoints
The collapse of Soviet control of Eastern Europe

3. Weimar and Nazi Germany, 1918-39

The Weimar Republic, 1918-29

The origins of the Republic
Early challenges to the Weimar Republic
The recovery of the Republic
Changes in society

Hitler's rise to power, 1919-33

The early development of the Nazi Party
The Munich Putsch and the lean years
Growth in support of the Nazis, 1929-32
How Hitler became Chancellor

Nazi control and dictatorship, 1933-39

The creation of a dictatorship, 1933-34
The police state
Controlling and influencing attitudes
Opposition, resistance and conformity

Life in Nazi Germany, 1933-39

Nazi policies towards women
Nazi policies towards the young
Employment and living standards
Persecution of minorities

Latin - OCR

1. Language Paper

- All grammar has now been learned; revision guides and PowerPoints are on the VLE

2. Literature Paper

- Poetry (Virgil): all text covered up to the point of the assessment
- Pupils should know how to translate and comment on the Latin text

Maths - AQA

GCSE Maths (8300) – AQA

There will be three full GCSE mock papers. All students will have completed the full GCSE course, with the exception of vectors.

There is a full GCSE specification available in Teams under ‘Resources – Year 11’ and in the Specifications and Checklists folder. This can also be found on the web-site:

<https://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300/specification-at-a-glance>

The best way to get good at Maths is to do Maths! Make use of class notes, revision guides and revision cards. There is a large selection of practice papers and mark schemes available in Teams (under resources) and on Cloudbox. Start with Specimen practice papers, past exam papers and Zig Zag practice papers. The Churchill practice papers tend to be more challenging.

Level 2 Further Maths (8365) – AQA

(Year 11 Maths set 1 only)

The specification can be found on the web-site:

<https://www.aqa.org.uk/subjects/mathematics/aqa-certificate/further-mathematics-8365/specification-at-a-glance>

There are copies of the 8365 specification (and new content), as well as copies of Level 2 Further Maths past exam papers and sample papers in folders on both Year 11 set 1 Class Teams, and also in the ‘Resources – Year 11’ folder.

MFL – AQA (Spanish / French / German)

Topics to revise:

Theme One - Identity and culture

- Relationships with family and friends
- Marriage and partnership
- Social media
- Mobile technology
- Music, cinema and TV
- Food and eating out
- Sport
- Customs of Spain/France/Germany
- Festivals in Spain /France/Germany

Theme Two - Local, national, international and global areas of interest

- Home
- Where I live
- Charity and voluntary work
- Healthy and unhealthy living
- Environment
- Poverty and homelessness
- Holidays and travel
- Regions of the country

Theme Three - Current and Future study and employment

- School and subjects
- Life at school
- University or work
- Choice of career

1. Pupils are doing two exams (reading and writing) in which **all the three major themes** we study at GCSE will appear. Therefore, they must revise vocabulary from their booklets as well as practise their reading skills using websites such as quizlet and languages online, which they all have access to.
2. In class pupils are covering the major grammar points but they should also go over this again.

The MFL department advise all students to familiarise themselves with all the information on the VLE about the GCSE paper and use the past papers as an integral part of their revision. Furthermore, they will find a comprehensive GCSE vocabulary lists on the VLE. Students are also given booklets with grammar, vocabulary and the specification in them.

Music – Edexcel

Musical elements revision of the 8 set works:

- Purcell – Music for a While
- Bach – Brandenburg Concerto No. 5 in D (3rd movement)
- Beethoven – Pathetique Sonata (1st movement)
- J. Williams – Star Wars/Rebel Blockade Runner
- Queen – Killer Queen
- Wicked – Defying Gravity
- Esperanza Spalding – Samba em Preludio
- Afro Celt Sound System – Release

Additional preparation:

- 1) Listen to a wide variety of unfamiliar pieces to draw lists of meaningful comparisons and contrasts – useful for final 12-mark question (extended answer).
- 2) Be prepared for a short dictation question (filling in missing rhythms and pitches). Use musictheory.net to practise chords, cadences etc.

Physical Education – AQA

The Year 11 mock exam will cover all topics from the GCSE specification:

- 1. [Applied anatomy and physiology](#)
- 2. [Movement analysis](#)
- 3. [Physical training](#)
- 4. [Use of data](#)

- 5. [Sports psychology](#)
- 6. [Socio-cultural influences](#)
- 7. [Health, fitness and wellbeing](#)

Physics – Edexcel

The following topics are examinable in the Year 11 mock Physics exam (see Edexcel GCSE 9-1 Specification 1PH0 for details):

- Topic 1 – Key concepts of physics
- Topic 2 – Motion and forces
- Topic 3 – Conservation of energy
- Topic 4 – Waves
- Topic 5 – Light and the electromagnetic spectrum
- Topic 6 – Radioactivity (6.1 – 6.35 only)
- Topic 7 – Astronomy
- Topic 8 – Energy - Forces doing work
- Topic 9 – Forces and their effects
- Topic 10 – Electricity and circuits
- Topic 11 – Static electricity
- Topic 12 – Magnetism and the motor effect
- Topic 13 – Electromagnetic induction
- Topic 14 – Particle model (14.1 – 14.11 only)
- Topic 15 – Forces and matter

Religious Studies - AQA

The topics that will be assessed are:

- Christianity: Beliefs and Teachings
- Theme A: Relationships and Families
- Theme E: Religion, Crime and Punishment

Each topic will have 24 marks available. This includes questions worth 1, 2, 4, 5 and 12 marks with an additional 2 SPaG marks available. You will have 1 hour 20 minutes to complete the exam.

There are revision resources available for these topics on Teams. Key terms can be rehearsed using the Quizlets under Mrs Khan's account. You also have your class notes that will be valuable to revise from.