

Year 10

Mock revision topics

7th – 16th January 2025



Stockport Academy

The best in everyone™

Part of United Learning

Contents

Biology	3
Business	4
Chemistry	5
Computer Science	6
Design and Technology	7
Dance	Error! Bookmark not defined.
Drama	8
English	10
French	11
Geography	12
History	14
Mathematics	15
PE Cambridge Nationals	Error! Bookmark not defined.
Physics	19
Religious Studies	20
Spanish	21
Revision Timetable	22

Biology

Your mid-year exam will consist of one paper covering Biology, Chemistry and Physics. The Biology section will cover the topics below

Biology Unit 1 – Cell Biology

Videos:

<https://goo.gl/v6oa4L> - broken into 17 short videos here

<https://members.gcsepod.com/shared/podcasts/title/10933>

<https://members.gcsepod.com/shared/podcasts/title/10934>

<https://members.gcsepod.com/shared/podcasts/title/10935>

CGP Revision guide reference:

Combined Higher pages 11 -23

Combined Foundation pages 11 -23

Biology pages 11-26

Biology Unit 2 – Organisation **Up to the heart ONLY**

Videos:

<https://goo.gl/284T9r> - 17 videos covering whole topic

<https://goo.gl/HvRLUK> - 20min video on whole topic

CGP Revision guide:

Higher pages 24-**31 up to the heart only**

Foundation pages 24 – **30 up to the heart only**

Biology pages 27-45

Biology Unit 7 Ecology

[Ecology Revision videos](#) - 23 videos on the whole topic

[Ecology master class video](#)- 20 minute recap of whole topic

CGP Revision Guide Pages

Higher 83-95

Foundation 8-3-96

Biology 106-125

Business

Business Studies Paper 1 (1hr): Business Activity, Marketing and People

- ⊖ Entrepreneurship
- ⊖ Business Plans
- ⊖ Business Ownership types
- ⊖ Business aims and objectives
- ⊖ Stakeholders
- ⊖ Business growth
- ⊖ Role of marketing
- ⊖ Marketing research methods
- ⊖ Market segmentation
- ⊖ The marketing mix
- ⊖ Role of human resources
- ⊖ Organisational structures
- ⊖ Communication
- ⊖ Recruitment and selection
- ⊖ Motivation and retention
- ⊖ Training and development
- ⊖ Employment Law

Useful resources

My revision notes: OCR GCSE Business for the 9 – 1 course (first 3 sections)

Revision cards / revision matts

Seneca learning: Business GCSE OCR

BBC bitesize : [GCSE Business - OCR - BBC Bitesize](#)

Chemistry

Your mid-year exam will consist of one paper covering Biology, Chemistry and Physics. The Chemistry section will cover the topics below

Chemistry Unit 1 - Atomic structure and the periodic table

Videos:

<https://goo.gl/MnvjXf> - broken into 20 short videos here

CGP Revision guide reference:

Combined Higher pages 96-112

Combined Foundation pages 96-112

Chemistry pages 12-27

Chemistry Unit 2 – Bonding, structure and the properties of matter

Videos:

<https://goo.gl/BXM5uR> - broken into 13 short videos

CGP Revision guide reference:

Combined Higher pages 112 -122

Combined Foundation pages 113 -122

Chemistry pages 28-40

Chemistry Unit 8- Chemical Analysis

Videos

[Revision lessons Chemical Analysis](#) - watch videos 1-4

[Masterclass Chemical analysis](#) - 20 min video

CGP Revision guide reference:

Combined Higher pages 153-156

Combined Foundation pages 150-154

Chemistry pages

Chemistry Unit 9 –Chemistry of the atmosphere

Videos

[Chemistry of the atmosphere revision lessons](#) - 9 videos

[Masterclass Chemistry of the atmosphere](#) - 20 min topic recap

CGP Revision guide reference:

Combined Higher pages 157-160

Combined Foundation pages 155-158

Chemistry pages

Computer Science

Computer Science Paper 1 (1hr): Computer Systems

- ⊖ Computer Systems
- ⊖ The CPU
- ⊖ Memory
- ⊖ Storage
- ⊖ Software
- ⊖ Units
- ⊖ Binary
- ⊖ Hexadecimal
- ⊖ Character representation
- ⊖ Image representation
- ⊖ Sound representation
- ⊖ Compression
- ⊖ Networks Lans and Wans
- ⊖ Networks Hardware
- ⊖ Client Server vs Peer to Peer
- ⊖ Network Topologies and Protocols
- ⊖ The internet
- ⊖ Network security and threats
- ⊖ Issues: Ethical, cultural, environmental and computer legislation.

Useful resources

CGP guide Computer Science for the 9 – 1 courses

Revision cards

Seneca learning: Computer Science GCSE OCR

Mr Brown CS YouTube: [OCR GCSE Computer Science - J277 Paper 1 Introduction - YouTube](#)

Craig n Dave CS YouTube [Craig'n'Dave - YouTube](#)

Design and Technology

Your mid-year exam will consist of one paper covering the topics below you will need to know examples and their properties.

(1 hour exam)

- ⊖ Smart materials
- ⊖ Technical materials
- ⊖ Composite materials
- ⊖ Modern materials
- ⊖ Soft and hard wood
- ⊖ Ferrous and non-ferrous metals
- ⊖ Thermoforming and thermosetting plastics
- ⊖ Paper and board
- ⊖ Textiles

Useful resources

<https://resources.eduqas.co.uk/Pages/ResourceByArgs.aspx?subId=8&lvlId=2>

Pearson Revision: [Pearson Sign In](#)

BBC Bitesize: [GCSE Design and Technology - Eduqas - BBC Bitesize](#)

Knowledge organisers - these can be found on the student shared area or from your class teacher

Revision guide from your class teacher

GCSE Pod

Seneca

Revision cards

Drama

Section A: Bringing Texts to Life – The Crucible

4-mark question structure

6-mark question structure

9-mark question structure

12-mark question structure

14-mark question structure

Useful links

[GCSE Drama - Edexcel - BBC Bitesize](#)

Music

Melody - [Intervals - Melody - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

[Eduqas GCSE Music: musical elements - melody \(youtube.com\)](#)

Harmony- [Chords - Harmony and tonality - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

[Eduqas GCSE Music: musical elements - harmony \(youtube.com\)](#)

Structure - [Structures - Structure - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

[Form and Structure - Eduqas GCSE Music \(youtube.com\)](#)

Tempo, Rhythm and Metre - [Metre and rhythm - Tempo, metre and rhythm - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

[Eduqas GCSE Music: musical elements - tempo \(youtube.com\)](#)

Dynamics and Articulation - [Dynamics - Dynamics and articulation - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

[Eduqas GCSE Music: musical elements - dynamics \(youtube.com\)](#)

Sonority (Timbre)- [Sonority \(Timbre\) - Sonority \(Timbre\) - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

Notation - [Notation - Notation - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

Area of Study Four – Popular Music

The Rise of Music Technology - [Sampling - Sampling - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

Elements Found in Popular Music –

[Killer Queen - Queen: Killer Queen - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

[The elements of music to consider - Adele: Someone Like You - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

[With a Little Help from My Friends - The Beatles: With a Little Help From My Friends - Eduqas - GCSE Music Revision - Eduqas - BBC Bitesize](#)

Musical Fusions - Bhangra Music -[Bhangra \(youtube.com\)](#)

English

Language

In the mid-year assessments Y10 will be sitting AQA GCSE English Language **Paper 1** Section **A** and **B**. Students will be asked to respond to one unseen fiction text.

The reading sections comprises of **four questions** that assess reading skills:

1. Find four things about a named aspect of the text? 4 marks
2. Analysing language. 8 marks
3. Analysing structure. 8 marks
4. Responding to a statement, evaluating ideas and discussing the methods used. 20 marks

The writing section is **one task**:

5. Write either a narrative (story) or a description. Students are given an image as a stimulus. 40 marks

Revision Resources:

BBC Bitesize: <https://www.bbc.co.uk/bitesize/guides/zx9qmbn/revision/1>

GCSE Pod: <https://members.gcsepod.com/login>

Pearson Revision: [Pearson Sign In](#)

GCSE English Literature

In the mid-year assessments Y10 will be sitting AQA GCSE English Literature **Paper 1** Section **B**.

Students will answer a question on the text they have studied this term, *A Christmas Carol* by Charles Dickens.

- A Christmas Carol

The task requires students to respond to an extract provided and then demonstrate their knowledge of the text as a whole.

Sources of revision

Students have their own copies of each text and SNAP Revision guides to support their examination preparation.

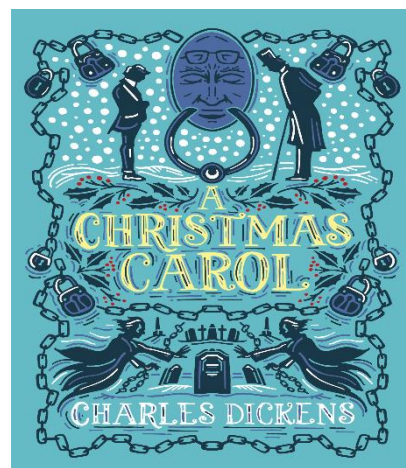
GCSE Pod is also an excellent resource for revision to which all students have access.

Revision Resources:

BBC Bitesize: <https://www.bbc.co.uk/bitesize/topics/zwhkxsg>

GCSE Pod: <https://members.gcsepod.com/login>

Pearson Revision: [Pearson Sign In](#)



French

The new French GCSE will be assessed by bespoke United Learning Assessments. There will be one entry and no tiers for MIDYS Assessment.

Paper 1 - Reading, Listening and Dictation	45 mins
Paper 2 - Writing and Translation	45 mins

Year 10	
Lifestyle, media and technology	My personal world
	Revision, Mid-Year Assessment: W, R, L

Useful resources:-

- Revision Guides on Stockport Academy Website
- BBC Bitesize

Geography

The mid-year exam will be one paper and it will be 60 minutes long.
It will assess the rivers, coast and urban challenges units.

Useful resources:

- Knowledge organisers (pupils are provided with one at the start of each unit in KS4 and they are available on the school website in the curriculum section, here is the link [Stockport Academy > Information > Curriculum > Humanities \(stockport-academy.org\)](http://stockport-academy.org)).
- Key terms sheet with definitions (in pupils exercise books)
- These are the key terms for rivers:

1. Saltation	2. Oxbow lake	3. Abrasion	4. Cross profile	5. Soft engineering
6. Meander	7. Levee	8. Erosion	9. Solution	10. Hard engineering
11. Transportation	12. Traction	13. Waterfall	14. Vertical erosion	15. V shaped valley
16. Flood	17. Discharge	18. Suspension	19. Lateral erosion	20. Hydraulic power
21. Hydrograph	22. Long profile	23. Deposition	24. Attrition	25. Embankments
26. Surface runoff	27. Estuary	28. Flood plain	29. Gorge	30. Interlocking spurs

- These are the key terms for coasts:

1. Saltation	2. Slumping	3. Abrasion	4. Backwash	5. Soft engineering
6. Stack	7. Discordant	8. Erosion	9. Solution	10. Hard engineering
11. Transportation	12. Traction	13. Bar	14. Sliding	15. Prevailing wind
16. Mass movement	17. Longshore drift	18. Suspension	19. Spit	20. Hydraulic power
21. Arch	22. Groynes	23. Deposition	24. Attrition	25. Wave cut platform
26. Stump	27. Swash	28. Gabions	29. Riprap	30. Managed retreat

- These are the key terms for urban issues and challenges:

1. Top down	2. Inequalities	3. Urban sprawl	4. Pollution	5. Sustainable living
6. Greenfield sites	7. Bottom up	8. Urban greening	9. Sanitation	10. Informal economy
11. Brownfield sites	12. Dereliction	13. Rural urban fringe	14. Megacities	15. Natural increase
16. Deprivation	17. Urbanisation	18. Zero carbon	19. Migration	20. Squatter settlements
21. Regeneration	22. Urban population	23. Push factors	24. Congestion	25. Integrated transport system
26. Pull factors	27. Formal economy	28. Distribution	29. Culture	30. Rural to urban migration

- If pupils do not have their key terms list with definitions, there is a booklet of definitions here: [Subject specific vocabulary \(aqa.org.uk\)](http://www.aqa.org.uk)
- The AQA GCSE Geography courses on SENECA that relate to section 3 physical landscapes in the UK (rivers and coasts ONLY) and section 4 urban issues and challenges.

- The AQA GCSE Geography courses on GCSE Pod that relate to UK physical landscapes (rivers and coasts ONLY) and urban issues and challenges.
- Exercise books are also useful as they contain everything that has been taught
- There are some useful videos on [Time for Geography | Home](#)
- You have been set exam questions as part of your independent study, make use of these as well.

History

The Year 10 mid-year exam will focus on the Germany unit and will be 60 minutes long:

Germany 1890-1945: Democracy to Dictatorship

Useful tools you can use to revise from:

- <https://www.bbc.co.uk/bitesize/topics/zskcg82>
- Knowledge organisers - these can be found on the student shared area or from your class teacher
- AQA GCSE History (9-1) Revision Guide – these are available on Amazon or can be borrowed from class teachers
- Your own exercise book – everything you've been taught so far this year could be covered in the exam
- GCSE Pod - https://members.gcsepod.com/content?subject_id=6018&exam_board_id=1010&topic_id=8146

Mathematics

You will have a non-calculator and calculator exam paper which will last 1 hour 30 minutes each. Please use the revision list below to revise and the following websites to complete additional past papers:

<https://www.mathsgenie.co.uk/papers.html> and [Video Solutions](#)

Number

Topic	Topic code	R	A	G
Ordering decimals	U435			
Multiplying and dividing with place value	U735			
Multiplying and dividing with decimals	U293, U868			
Order of operations	U976			
Prime numbers, prime factorisation	U236, U739			
Factors, multiples, HCF and LCM	U211, U751, U529			
Powers and roots	U851			
Using standard form	U330, U534			
Calculating with standard form	U264, U290, U161			
Addition and subtraction of fractions	U736, U793			
Multiplication and division of fractions	U475, U544			
Converting and ordering fractions, decimals and percentages	U888, U594			
Fractions of amounts	U881, U916			
Percentages of amounts	U554, U349			
Percentage change	U773, U671			
Reverse percentages	U286, U278			
Simple interest	U533			
Rounding	U480, U298			
Rounding to significant figures	U731, U965			
Estimating answers	U225			
Value for money	M681			

Algebra

Topic	Topic code	R	A	G
Collecting like terms	U105			
Substitution	U201, U585, U144			
Expanding brackets	U179, U768			
Factorising expressions	U365			
Index laws	U235, U694, U662, U103			
Changing the subject	U556			
Coordinates	U789, U889			
Midpoints	U933			
Plotting straight line graphs	U741			
Equations of straight line graphs	U315, U669			

Linear equations	U755, U325, U870, U505, U599			
Quadratic expressions and equations	U178, U228			
Linear sequences	U213, U530, U498, U978			

Ratio and proportion

Topic	Topic code	R	A	G
Simplifying ratios	U687			
Sharing amounts in a ratio	U753, U577			
Converting between ratios, fractions and percentages	U176			
Direct proportion	U721, U640			
Inverse proportion	U357, U364			
Units of measure: Length, Mass and Capacity	U102, U388			
Units of measure: Time	U902			
Units of measure: Area	U248			
Currency conversion	U610			
Conversion graphs	U652, U638, U862			
Compound units: Speed	U151			

Geometry

Topic	Topic code	R	A	G
Angles: Measuring, Drawing and Estimating	U447			
Angle on a line and about a point	U390			
Vertically opposite angles	U730			
Angles on parallel lines	U826			
Angles in a triangle	U628			
Combining angle facts	U655			
Angles in a quadrilateral	U732, U329			
Angles in polygons	U427			
Translations	U196			
Reflections	U799			
Enlargements	U519			
Rotations	U696			
Area and perimeter of simple shapes	U993, U970, U351, U226			
Area of triangles, parallelograms and trapeziums	U945, U575, U424, U265, U343			
Circles	U767			
Circumference	U604, U221			
Circle area	U950, U373			
Surface area	U929, U259, U871			

Volume of cuboids	U786			
Volume of prisms and cylinders	U174, U915			

Probability

Topic	Topic code	R	A	G
Probability scale	U803			
Probability of single events	U408, U510, U683			
Experimental probability	U580			
Expected outcomes	U166			
Listing elements in a set	U748, U296			
Probability from Venn diagrams	U476			

Statistics

Topic	Topic code	R	A	G
Collecting data, frequency tables	U322, U120			
Two-way tables	U981			
Bar charts	U363, U557			
Pictograms	U506			
Pie charts	U508, U172			
Stem and leaf diagrams	U200, U909			
Mode	U260			
Mean	U291			
Median	U456			
Range	U526			

Music

You will complete a paper on Area of Study 1 (Musical Forms and Devices), and the set work for Area of Study 4 (Popular Music) - 'Africa' by Toto. It will be approximately 1 hour long and consist of two 12 mark questions.

Below is the revision list for the exam:

Area of Study 1 (Musical Forms and Devices)	Area of Study 4 (Popular Music) Set work - 'Africa' by Toto
Features of the Baroque era	Dynamics
Features of the Classical era	Rhythm and Metre
Features of the Romantic era	Structure
Time signatures	Melody
Other elements of music (DRSMITH) – use your knowledge organisers to revise terms and definitions	Instrumentation
	Texture
	Tonality and Harmony

Physics

Your mid-year exam will consist of one paper covering Biology, Chemistry and Physics. The Physics section will cover the topics below

Physics Unit 1 – Energy

Videos:

<https://goo.gl/zPK4UU> - broken into 15 short videos here

CGP Revision guide reference:

Combined Higher pages 167 - 178

Combined Foundation pages 167 – 179

Physics pages 11-23

Physics Unit 3- Particle Model of matter

Videos:

<https://goo.gl/fEt3nR> - broken into 9 short videos here

Revision guide reference:

Combined Higher pages 191 – 194

Combined Foundation pages 193 – 196

Physics pages 38-42

Paper 1 (30 minutes)

Christianity Beliefs and Teachings

- Nature of God
- The Trinity
- Creation
- Incarnation
- Crucifixion
- Resurrection
- The Afterlife
- The role of Christ in Salvation


Useful resources



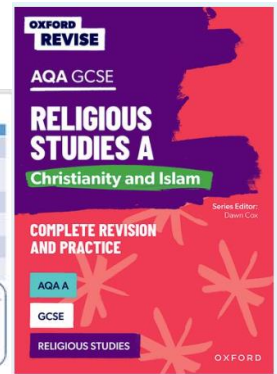
Beliefs & teachings: Christianity ✝

Key Words			
Ascension	Jesus returning to be with God in Heaven after the crucifixion.	Omnipotent	God's nature as all-powerful.
Atonement	Making things better after sinning, asking for forgiveness from God.	Original Sin	The built-in tendency to do wrong which comes from Eve's disobedience.
Benevolent	God's nature as all-loving.	Resurrection	Jesus returning from the dead after he was crucified.
Crucifixion	Jesus' execution by the Romans on the cross.	Salvation	Being saved from sin and given eternal life in Heaven by God.
Incarnation	God becoming flesh in the form of Jesus Christ.	Sin	Any thought or action which goes against God's will.
Just	God's nature as fair.	Trinity	God's nature as three-part-one, the Father, Son and Holy Spirit.

The Trinity



- Christians believe God is three persons in one. This idea is called the Trinity.
- Each person of the Trinity is fully God but the three persons of the Trinity are not the same.
- The Father is the creator of all life.
- The Son is Jesus Christ, who is both fully human and fully God.
- The Holy Spirit is the unseen power of God at work in the world, especially answering prayers.
- "We believe in one God, Father, Son and Holy Spirit" - The Nicene Creed



- <https://request.org.uk/>
- <https://www.bbc.co.uk/bitesize/examspecs/zjgx47h>
- <https://senecalarning.com/en-GB/>
- Knowledge organiser
- Quote sheet
- Revision guide

Spanish

The new Spanish GCSE will be assessed by bespoke United Learning Assessments. There will be one entry and no tiers for MIDYS Assessment.

Paper 1 - Reading, Listening and Dictation	45 mins
Paper 2 - Writing and Translation	45 mins

Year 10	
Lifestyle, media and technology	My personal world
	Revision, Mid-Year Assessment: W, R, L

Useful resources: -

- Pearson Revision Guides on the modules above
- Languagenut
- BBC Bitesize Edexcel Spanish GCSE www.stockport-academy.org/information/curriculum/mfl

Revision Timetable

Day	Morning	Afternoon	Review points
Saturday			
Sunday			
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

Day	Morning	Afternoon	Review points
Saturday			
Sunday			
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

Day	Morning	Afternoon	Review points
Saturday			
Sunday			
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

Day	Morning	Afternoon	Review points
Saturday			
Sunday			
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			