

# **GCSE MOCK EXAMS 2025**

# **Topics Guide**

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### **ENGLISH LANGUAGE**

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Exam Board and Topics to revise	Where to find the information to revise	
EXAM BOARD = EDEXCEL	Websites BBC Bitesize: https://www.bbc.com/education/exam specs/zgvg6fr	
Paper 2: Non-Fiction and Transactional (Non-Fiction) Writing  Q1 – Basic Comprehension about Text One. 2 marks.  Q2 – Basic Comprehension about Text One. 2 marks.  Q3 – Analysing Language and Structure in Text One. 15 marks. 15 minutes. PEAEAEA Naming techniques. Capped at 6 marks if structure isn't analysed.	Practice Papers https://qualifications.pearson.com/en/ qualifications/edexcel-gcses/english- language- 2015.coursematerials.html#filterQuery =Pearson-UK:Category%2FExam- materials	
Q4 – Basic Comprehension about Text Two. 1 mark. Q5 – Basic Comprehension about Text Two. 1 mark. Q6 – Evaluate Text Two. How successfully is something achieved? 15 marks. 15 minutes. SPITE/TIES. PECS. PEEvEEvEEv paragraphs.  Q7a – Similarities between the two texts in relation to the question focus. Point, Evidence from Text One, Transition, Evidence from Text Two (3 times = 6 quotations = 6 marks, 10	https://qualifications.pearson.com/en/qualifications/edexcel-gcses/english-language-2015.coursematerials.html#filterQuery=category:Pearson-UK:Category%2FTeaching-and-learning-materials&filterQuery=category:Pearson-UK:Document-Type%2FExemplar-exam-material	
minutes) Q7b – Compare the ideas and perspectives presented in both texts. PEATEA. (Point, Evidence, Analyse, Transition, Evidence, Analyse). 6 sentences per comparison. The more comparisons the better. 14 marks, 15 minutes	Revision Guides Revise Edexcel GCSE (9-1) English Language Revision Guide by Julie Hughes	
Q8 OR Q9 - A choice between article, letter, review, speech, guide. Use <b>Describe, Position, Relevance, Now</b> . 40 marks. 24 for content. 16 for SPAG. 45 minutes.	https://www.amazon.co.uk/Revise- Edexcel-English-Language- Revision/dp/1447988086/ref=sr 1 1?i e=UTF8&qid=1521116690&sr=8-	
<ul> <li>Transactional writing Q8/9</li> <li>Planning – use past papers to practice planning a beginning, middle and end to your writing in max. 10mins. Use describe, position, relevance, now.</li> <li>Text types, eg leaflet, speech, article, letter</li> <li>Language and structure techniques to engage and manipulate the audience (AAFORRESTT)</li> <li>Range of sentence structures, including semi-colons, colons and embedded clauses, Varied vocabulary (start by choosing simple adjectives and finding a range of synonyms)</li> </ul>	1&keywords=edexcel+english+languag e+revision+guide+9-1 Revise Edexcel GCSE (9-1) English Language Revision Workbook by Julie Hughes https://www.amazon.co.uk/Edexcel- English-Language-Revision- Workbook/dp/1447987896/ref=sr 1 2 ?ie=UTF8&qid=1521116690&sr=8- 2&keywords=edexcel+english+languag e+revision+guide+9-1	

### **MATHS**

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = Edexcel  • Number	Websites BBC Bitesize: <a href="https://www.bbc.co.uk/bitesize/examspecs/z9p3mn">https://www.bbc.co.uk/bitesize/examspecs/z9p3mn</a> <a href="mailto:b">b</a>
<ul> <li>Algebra</li> </ul>	Other  Maths Genie - GCSE 9 - 1 so you'll find exam style questions on new topics plus practice papers.
<ul><li>Shape, Space &amp; Measure</li><li>Handling Data</li></ul>	https://www.mathsgenie.co.uk/gcse.html
<ul> <li>Probability</li> </ul>	Revision cards are available to buy from Corbett  Maths <a href="https://corbettmaths.com/">https://corbettmaths.com/</a>
Ratio & Proportion	Maths4Everyone has topic booklets and topic review sheets. <a href="http://maths4everyone.com/">http://maths4everyone.com/</a>
A full list of topics can be found on the links below:  Higher:	On MathsBot.com you'll find GCSE questions, revision grids and practice papers. <a href="http://mathsbot.com/">http://mathsbot.com/</a>
https://corbettmaths.com/wp- content/uploads/2021/12/Edexcel-Higher- Checklist.pdf	Access Maths has a page full of lovely 9 - 1 revision activities including revision mats, relays and mazes. <a href="http://www.accessmaths.co.uk/revision-resources.html#mats">http://www.accessmaths.co.uk/revision-resources.html#mats</a>
Foundation: <a href="https://corbettmaths.com/wp-content/uploads/2021/12/Edexcel-Foundation-">https://corbettmaths.com/wp-content/uploads/2021/12/Edexcel-Foundation-</a>	Practice papers and revision guides PixiMaths has a collection of GCSE 9 - 1 revision mats Revision Mats (piximaths.co.uk)
<u>Checklist.pdf</u>	Or Aiming for a Grade 1, 3, 5, 7, 9 booklets for sale on <a href="PixiMaths Store"><u>PixiMaths Store</u></a>

### **MATHS** continued

**Edexcel Papers:** 

https://www.1stclassmaths.com/gcse-exam-papers

For £7.50 students can buy a pack of 6 practice papers from CGP. Practice paper books are also available to buy.

GCSE Maths Edexcel Practice Papers: Higher: for the 2026 and 2027 exams (CGP Edexcel GCSE Maths):
Amazon.co.uk: CGP Books, CGP Books:
9781782946595: Books

GCSE Maths Edexcel Practice Papers: Foundation: for the 2026 and 2027 exams (CGP Edexcel GCSE Maths): Amazon.co.uk: CGP Books, CGP Books: 9781782946601: Books

#### Aimed at Grade 9

There are revision workbooks for 'Grade 9 targeted exam practice' here:

GCSE Maths Edexcel Grade 8-9 Targeted Exam
Practice Workbook (includes Answers): for the 2026
and 2027 exams: Amazon.co.uk: Books, CGP:
9781782944157: Books

There are three 'Grade 9' booklets here at Bland.in: <a href="http://bland.in/edexcel-9-1.html">http://bland.in/edexcel-9-1.html</a>

### Aimed at Grade 4

Revision workbooks for a grade 4:

GCSE Maths Edexcel Grade 4-5 Targeted Exam
Practice Workbook (includes Answers): for the 2026
and 2027 exams (CGP Edexcel GCSE Maths):
Amazon.co.uk: CGP Books, CGP Books:
9781789086850: Books

### **SCIENCE**

### **Exam Board and Topics to revise**

### **EXAM BOARD = AQA**

These topic titles ones used in the Oxford University Press Revise books.

### **Biology Paper 1**

- Cell structure, transport and division
- Organisation in animals
- Enzymes
- Organisation in plants
- The spread of diseases
- Preventing and treating disease
- Monoclonal antibodies (TRIPLE ONLY)
- Non-communicable diseases
- Photosynthesis and Respiration

### **Chemistry Paper 1**

- The atom
- Covalent, ionic and metallic bonding, and structure
- The Periodic Table
- Transition metals and nanoparticles (TRIPLE ONLY)
- Chemical calculations
- Chemical reactions of metals and acids
- Electrolysis
- Energy changes

### **Physics Paper 1**

- Energy stores and transfers
- National and global energy resources
- Supplying electricity
- Electric circuits
- Energy of matter
- Atoms
- Nuclear radiation

#### Where to find the information to revise

### Websites

Seneca - <u>Free Homework & Revision for A Level,</u> GCSE, KS3 & KS2

Cognito – <u>Free Maths & Science Revision and Past</u> Papers for A-Level, GCSE and KS3 | Cognito

BBC Bitesize - AQA Trilogy:

https://www.bbc.com/education/examspecs/z8r997

PMT – Biology

AQA GCSE (9-1) Biology Revision - PMT

PMT – Chemistry

AQA GCSE (9-1) Chemistry Revision - PMT

PMT - Physics

AQA GCSE (9-1) Physics Revision - PMT

### Other

**AQA Triple Science** 

Biology:

https://www.bbc.com/education/examspecs/zpgcbk

7

Chemistry:

https://www.bbc.com/education/examspecs/z8xtm

<u>nb</u>

Physics:

https://www.bbc.com/education/examspecs/zsc9rd m

### **Practice Papers**

**AQA Sample papers** 

Combined Science Trilogy:

https://www.aqa.org.uk/subjects/science/gcse/com

<u>bined-science-trilogy-8464/assessment-resources</u>

Triple Science – Biology:

http://www.aqa.org.uk/subjects/science/gcse/biolog

y-8461/assessment-resources

Triple Science – Chemistry:

http://www.aqa.org.uk/subjects/science/gcse/chemi

stry-8462/assessment-resources

Triple Science – Physics:

http://www.aqa.org.uk/subjects/science/gcse/physic

s-8463/assessment-resources

### **SCIENCE** continued

#### **Revision Guides**

### Oxford Revise app:

https://www.oxfordrevise.com/

#### Combined Science Foundation

Oxford Revise: AQA GCSE Combined Science
Foundation Revision and Exam Practice: 4\* winner
Teach Secondary 2021 awards: With all you need to
know for your 2022 assessments: Amazon.co.uk:
Boxer, Adam, Gardom Hulme, Philippa, Locke, Jo,
Reynolds, Helen, Shaha, Alom, Walmsley, Jessica,
Kitten, Primrose: 9781382004862: Books

### Combined Science Higher

Oxford Revise: AQA GCSE Combined Science Higher
Revision and Exam Practice: 4\* winner Teach
Secondary 2021 awards: Amazon.co.uk: Boxer,
Adam, Gardom Hulme, Philippa, Locke, Jo,
Reynolds, Helen, Shaha, Alom, Walmsley, Jessica,
Kitten, Primrose: 9781382004879: Books

### Triple Biology

Oxford Revise: AQA GCSE Biology Revision and Exam Practice: 4\* winner Teach Secondary 2021 awards: Amazon.co.uk: Locke, Jo, Walmsley, Jessica, Kitten, Primrose: 9781382004848: Books

### Triple Chemistry

Oxford Revise: AQA GCSE Chemistry Revision and Exam Practice: 4\* winner Teach Secondary 2021 awards: Amazon.co.uk: Boxer, Adam, Gardom Hulme, Philippa, Kitten, Primrose: 9781382004855: Books

#### Triple Physics

Oxford Revise: AQA GCSE Physics Revision and Exam Practice: 4\* winner Teach Secondary 2021 awards: Amazon.co.uk: Reynolds, Helen, Shaha, Alom, Kitten, Primrose: 9781382004886: Books

### **GEOGRAPHY**

#### **Exam Board and Topics to revise** Where to find the information to revise Websites EXAM BOARD = AQAAQA GCSE Geography Specification: AQA GCSE | Geography | Specification at a glance Paper 1 Section A: The Challenge of Natural Hazards BBC Bitesize: GCSE Geography - AQA - BBC **Tectonic Hazards** Bitesize Earthquakes and volcanic eruptions including LIC (Nepal) and HIC (Christchurch, NZ) examples Internet Geography: AQA GCSE Geography -Weather Hazards Internet Geography Global atmospheric circulation Tropical storms including Typhoon Haiyan example PMT: AQA GCSE Geography Revision • UK extreme weather including Beast from the East (physicsandmathstutor.com) example **Climate Change** Time for Geography: <u>Time</u> for Geography | Evidence, natural and human causes, Greenhouse Home effect, effects, responses – mitigation and adaptation Mr Bowater Paper 1 Section B: The Living World Ecosystems including UK small-scale example: **Revision Guides** Freshwater Pond Tropical rainforests including Amazon case study GCSE 9-1 Geography AQA: Revision Guide Second Edition: Oxford University Press • Cold environments: Characteristics, opportunities and (oup.com) challenges. Svalbard example Cold environments at risk GCSE 9-1 Geography AQA: Exam Practice: Paper 1 Section C: Physical Landscapes in the UK Grades 7-9 Second Edition: Oxford University Major UK upland and lowland areas and river systems Press (oup.com) Coasts – including the Holderness Coast example of a UK coastline featuring erosional and depositional GCSE 9-1 Geography AQA: Exam Practice: landforms **AND** the Mappleton example of a coastal Grades 4-6 Second Edition: Oxford University management scheme. Press (oup.com) **Glaciation** – including the Lake District as an example of an area in the UK affected by glaciation to identify its Additional resources can be found on major landforms of erosion and deposition AND the Sharepoint Lake District as an example of a glaciated upland area used for tourism.

### **HISTORY**

Exam Board and Topics to revise	Where to find the information to revise
	Your exercise book should be the best revision resource.
EXAM BOARD = AQA	
	Websites
Paper 1 Section A	BBC Bitesize:
• America, 1920-1973:	https://www.bbc.com/education/examspecs/zxjk4j6
Opportunity and Inequality	Control location
	Seneca learning:
	https://senecalearning.com/en-GB/
Paper 2 Section A	Dractice Papers
<ul> <li>Migration, empires and</li> </ul>	Practice Papers  http://www.aga.org.uk/subjects/history/gess/history/9145
people c790-present day	http://www.aqa.org.uk/subjects/history/gcse/history-8145
	Revision Guides
	My Revision Notes: AQA GCSE (9-1) History, Second edition
	CGP Topic revision guides
	Department resources
	Go on Sharepoint to find plenty of resources.
	Homework booklets from last year.
	Department-made revision guides (speak to Miss Swann).

### **RELIGIOUS STUDIES**

Exam Board and Topics to revise	Where to find the information to revise
<ul> <li>EXAM BOARD = AQA Spec A</li> <li>Christian Beliefs</li> <li>Theme A: Relationships and Families</li> <li>Theme B: Religion and Life</li> <li>Theme F: Religion, Human Rights and Social Justice</li> </ul>	Websites BBC Bitesize: https://www.bbc.com/education/examspecs/zy7spbk Seneca: Free Homework & Revision for A Level, GCSE, KS3 & KS2 (senecalearning.com)  Practice Papers http://www.aqa.org.uk/subjects/religious- studies/gcse/religious-studies-a-8062/assessment-resources  Revision Guides Oxford Revision Guide https://www.amazon.co.uk/dp/0198422830/ref=redir mobiledesktop?_encoding=UTF8&aaxitk=6e381dc6b47268f5781a21 7850f0e715&hsa_cr_id=2791071500902&pd_rd_plhdr=t&pd_rd_ref0fc096d-0124-4d05-b7f6- 8de0a6a3803d&pd_rd_w=SREWO&pd_rd_wg=qjRN0&ref_=sb_x_be_s_sparkle_mcd_asin_0_img  Recommended revision guides are available to purchase from the academy at a discounted rate. These will be available via ParentPay.

### **FRENCH**

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = EDEXCEL	Websites BBC Bitesize: GCSE French - Edexcel (for exams from
<ul> <li>Technology</li> <li>Pros and cons of the internet</li> <li>Hobbies and sports</li> <li>Films / TV programmes</li> <li>Weekend activities in the present, past and future tenses</li> </ul>	2026) - BBC Bitesize  Languagesonline  languages online  Languagenut  www.languagenut.com
<ul> <li>Family</li> <li>Relationships</li> <li>School</li> <li>What primary school was like</li> <li>School rules and uniform</li> <li>Food and drink</li> </ul>	Active Hub ActiveHub
<ul> <li>Healthy lifestyle</li> <li>Mental wellbeing</li> </ul> Modules 1 to 4	Other  www.quizlet.com  www.lyricstraining.com  Seneca  Free Homework & Revision for A Level, GCSE, KS3 &  KS2
Module 1 (Media and Technology) Module 2 (My personal world: family and relationships) Module 3 (Studying and my future: school) Module 4 (Health and wellbeing)	Practice Papers AND Revision Guides Pearson Edexcel GCSE French  Pearson Edexcel GCSE French (2024)   Pearson gualifications

### **SOCIOLOGY**

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = WJEC (Eduqas)	Websites SharePoint – School revision guides and key definition sheets
Mix of Paper 1 and Paper 2:  Culture (1) Family (1)	etc. <a href="https://pfoa.sharepoint.com/sites/belvoir/subjects/sociology/">https://pfoa.sharepoint.com/sites/belvoir/subjects/sociology/</a> <a href="Documents/Forms/AllItems.aspx">Documents/Forms/AllItems.aspx</a>
<ul><li>Crime (2)</li><li>Inequalities (2)</li></ul>	Al Sociology – A 20 minute video for every topic <a href="https://youtu.be/pORmot5WUM4">https://youtu.be/pORmot5WUM4</a>
	Practice Papers
	https://www.eduqas.co.uk/qualifications/sociology- gcse/#tab_pastpapers
	https://pfoa.sharepoint.com/sites/belvoir/subjects/sociology/ Documents/Forms/AllItems.aspx
	Revision Guides
	https://www.amazon.co.uk/WJEC-Eduqas-Sociology-Revision-
	Guide/dp/191120890X https://pfoa.sharepoint.com/sites/belvoir/subjects/sociology/ Documents/Forms/AllItems.aspx

### **DRAMA**

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = AQA	Websites GCSE Drama - AQA - BBC Bitesize
Component 1: Section A: Multiple choice	Other Component 1 section A terminology booklet (issued in class)
Roles and responsibilities in the theatre Staging types Areas of the stage	Component 1 section C Live Theatre booklet (issued in class)
Theatre terminology  Section B: Study of Set Text (Noughts and Crosses)	Noughts and Crosses powerpoint and worksheets (Sharepoint)
Question1: Design terminology Question 2: Vocal and physical skills Question 3: Use of space terminology Question 4: Paragraphing structure and understanding of the whole play  Plot  Characters  Performance Style  Essay structure	Billy Elliot video recording on Microsoft streams (or available on amazon)  Practise Papers https://www.aqa.org.uk/subjects/drama/gcse/drama-8261/assessment-resources  Revision Guides Noughts & Crosses Play Guide for AQA GCSE Drama - Illuminate Publishing
Section C: Live Theatre	
Plot and characters in Billy Elliot Vocal and Physical skills Context of the Miner's strike Essay structure	

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = OCR	Websites  BBC Bitesize:
<ul> <li>Paper 1</li> <li>Physical factors influencing performance</li> <li>Levers</li> <li>Respiratory system</li> <li>Muscular system</li> <li>Planes of movement and axis of rotation</li> <li>Cardiovascular system</li> </ul>	http://www.bbc.co.uk/schools/gcsebitesize/pe/  Practice Papers Use the OCR specification past papers that can be found on their website below: http://www.ocr.org.uk/qualifications/gcse-physical-education-j587-from-2016/
<ul> <li>Effects of exercise (long and short)</li> <li>Principles and methods of training</li> <li>Components of fitness and fitness testing</li> <li>The exercise session and risk assessments</li> </ul>	http://www.ocr.org.uk/qualifications/gcse-physical-education-j587-from-2016/
	Revision Guides  CGP revision guides can be purchased on the SIMS PAY system, they are £3.50 each.

### **FOOD PREPARATION AND NUTRITION**

Exam Board and Topics to revise	Where to find the information to revise	
EXAM BOARD = EDUQAS  Cake making  Different methods (whisking, rubbing in, melting, creaming etc)  Functions of ingredients in cake making (eg – sugar adds sweetness/colour)	Websites BBC Bitesize: https://www.bbc.co.uk/bitesize/subjects/zdn9jhv  Other https://www.foodafactoflife.org.uk/14-16-years/	
<ul> <li>How to ensure a cake is well risen (eg; add raising agent, sieving, creaming well etc)</li> <li>Effects on sensory properties of using wholemeal flour in cookery (drier, heavier texture, browner colour etc)</li> <li>Nutrition</li> <li>Macro and micro nutrients</li> </ul>	https://www.farminguk.com/  To access the digital textbook and resources: http://www.illuminate.digital/eduqasfood/ Username: SBELVOIR4	
<ul> <li>Definitions/difference between the two</li> <li>Functions in our diets</li> <li>Food sources of these nutrients</li> <li>'Complementary' nutrients – how do some nutrients help each other (eg – iron/vit C, calcium/vit D, 2 x LBV proteins etc)</li> </ul>	Practice Papers <a href="https://www.eduqas.co.uk/qualifications/food-preparation-and-nutrition/eduqas-gcse-food-prepnutrition-sams-from-2016-v2.pdf">https://www.eduqas.co.uk/qualifications/food-preparation-and-nutrition/eduqas-gcse-food-prepnutrition-sams-from-2016-v2.pdf</a>	
<ul> <li>Fruit and Vegetables</li> <li>Different types (citrus, root, tuber etc)</li> <li>Enzymic browning – food science</li> <li>How to easily incorporate more fruit and veg into our diets – hints and tips!</li> <li>Processed fruit – think dried, canned, frozen etc – advantages and disadvantages in cookery when using them!</li> </ul>	Revision Guides  CGP revision guides – speak to teacher for information	
<ul> <li>Food Miles</li> <li>Impact of food travelling too far on the environment</li> <li>Ideas of how to reduce food miles</li> <li>Hygiene and safety</li> </ul>		
<ul> <li>When handling/preparing raw meat</li> <li>Food Packaging</li> <li>How can consumers and manufacturers reduce food packaging waste</li> <li>Cardiovascular disease/Coronary Heart Disease</li> </ul>		
<ul> <li>(CHD)</li> <li>How can the dietary choices you make reduce your risk of heart problems?</li> <li>How can the lifestyle choices you make reduce your risk of heart problems?</li> </ul>		

### **BUSINESS**

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = AQA	Websites BBC Bitesize: https://www.bbc.co.uk/bitesize/examspec
Paper 1	s/zvwb382
<ul> <li>Business in the real world</li> <li>Influences on business</li> <li>Business operations</li> <li>Human resources</li> </ul>	SENECA Learning:  Business: AQA GCSE (senecalearning.com)  Textbooks
Questions	BUSINESS  Hulain Surrige Alexandrige  Alexandrige  Complete Revision & Practice
Section A – multiple choice questions and short answer questions.	niciona / 47 (man)
Section B – one case study/ data response stimuli with a range of question types.	GCSE Business   CGP Books  Practice Papers (click on link) AQA   GCSE   Business
Section C – one case study/ data response stimuli with a range of question types including a 15 mark question drawing on any areas of the specification	Assessment resources

### **MUSIC**

### **Exam Board and Topics to revise**

# EXAM BOARD = OCR GCSE Music J536

**Listening Paper** 

Length of Mock: 45 minutes Extra timers: 57 minutes

### **Areas of Study for Revision:**

### AoS 2: The Concerto Through Time

Learners should study The Concerto and its development from 1650 to 1910 through:

- the Baroque Solo Concerto
- the Baroque Concerto Grosso
- the Classical Concerto
- the Romantic Concerto

### AoS5: The Conventions of Pop

Learners should study a range of popular music from the 1950s to the present day, focusing on:

- Rock 'n' Roll of the 1950s and 1960s
- Rock Anthems of the 1970s and 1980s
- Pop Ballads of the 1970s, 1980s and 1990s
- Solo Artists from 1990 to the present day

### Where to find the information to revise

### Websites

**BBC** Bitesize

GCSE Music - OCR - BBC Bitesize

YouTube

ocr gcse music virtual textbook - YouTube

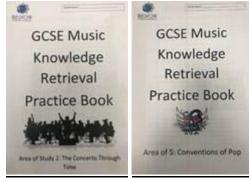
#### Textbooks

You can purchase these online.



#### **Retrieval Booklets**

These are the A3 booklets you have been given



### **Knowledge Organisers**

These have been given out to you in class, copies can be found on the SharePoint, in the Music folder, here <u>Music - Knowledge Organisers - All Documents</u> (sharepoint.com)

### **MEDIA STUDIES**

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = EDUQAS WJEC	Websites BBC Bitesize: GCSE Media Studies - BBC Bitesize
Length of Mock: 1 hour 30 minutes	
<ul> <li>Media Language (images, layout and design, costume, props, body language, facial expressions, written text and language)</li> </ul>	Knowledge Organisers: Resource (eduqas.co.uk)
<ul> <li>Representation (ethnicity/gender)</li> <li>Industries and Audiences (films/certifications, different media platforms, target audiences)</li> <li>Theories: Uses and Gratifications, Feminism</li> </ul>	Other: Mrs Fisher on YouTube has videos on all of the set products.
<ul> <li>(Male Gaze), Propp's Character Types</li> <li>Contexts (social, cultural, political)</li> </ul>	https://www.youtube.com/watch?v=FAsXMQr3LLw&list=PLm6BhMZgdGbDUZbF4olK99TDPXgfBBdZz

### **DESIGN & TECHNOLOGY**

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = AQA 8552	Websites
<u>LAAM BOAND - AQA 6332</u>	
Core technical principles	Technology Student:
Core teeminear principles	http://technologystudent.com/despro_flsh/NEW
New and Emerging Technologies	GCSE3.html
<ul><li>Industry &amp; enterprise</li></ul>	
<ul> <li>Sustainability &amp; environment</li> </ul>	
<ul> <li>People, culture &amp; society</li> </ul>	BBC Revision
<ul> <li>Production techniques &amp; systems</li> </ul>	GCSE Design and Technology - AQA - BBC Bitesize
Energy, Material, Systems and Devices	
<ul><li>Energy generation</li></ul>	
<ul> <li>Energy storage</li> </ul>	Study Rocket
<ul> <li>Modern materials</li> </ul>	Free GCSE Design and Technology AQA Revision
<ul> <li>Smart materials</li> </ul>	<u>Content — Study Rocket</u>
<ul> <li>Composite materials and technical textiles</li> </ul>	
<ul> <li>Systems approach to designing</li> </ul>	Revision Guides
<ul> <li>Electronics system processing</li> </ul>	The Pocket-Sized Revision Guide GCSE Design &
<ul> <li>Mechanical devices</li> </ul>	Technology – Daydream Education
Materials and their Working Properties	Burding Burney
o Paper & board	Practice Papers
<ul> <li>Natural &amp; manufactured timbers</li> </ul>	First examination 2019 – papers will be available
<ul> <li>Metals &amp; alloys</li> </ul>	after this
<ul> <li>Polymers</li> </ul>	
<ul> <li>Textiles</li> </ul>	
Specialist technical principles	
Common Specialist Technical Principles	
Forces & stresses	
o Improving functionality	
Ecological & social footprint	
○ The six R's	
<ul> <li>Scales of production</li> </ul>	
Timbers (specialist material)	
<ul> <li>Sources, origins and properties</li> </ul>	
<ul> <li>Working with timber materials</li> </ul>	
Commercial manufacturing	
Designing and Making Principles	
<ul> <li>The work of others</li> </ul>	
Design strategies	
Communication of design ideas	
Material selection	
Tolerance & allowances	
Material management	
<ul> <li>Specialist tools &amp; processes</li> </ul>	
<ul> <li>Surface treatments &amp; finishes</li> </ul>	

### **COMPUTING**

Exam Board and Topics to revise	Where to find the information to revise
EXAM BOARD = AQA (8525)  Mix of Paper 1 and Paper 2 2 hours	Revision Websites BBC Bitesize: <a href="https://www.bbc.co.uk/bitesize/exams">https://www.bbc.co.uk/bitesize/exams</a> <a href="pecs/zkwsjhv">pecs/zkwsjhv</a>
<ul> <li>Computational thinking</li> <li>Fundamentals of algorithms (decomposition, abstraction, flowcharts, pseudocode, searches and sorts)</li> </ul>	Oak National (Official online lessons for every topic): <a href="https://www.thenational.academy/pup">https://www.thenational.academy/pup</a> ils/programmes/computing-secondary-year-11-gcse-aqa/units
<ul> <li>Programming techniques (data types, sequence, selection, iteration and arrays, procedures, functions validation, authentication, errors and testing)</li> </ul>	Craig N Dave (Official YouTube videos): <a href="https://www.youtube.com/@craigndave/">https://www.youtube.com/@craigndave/</a> <a href="mailto:e/playlists?view=50&amp;sort=dd&amp;shelf">e/playlists?view=50&amp;sort=dd&amp;shelf</a> id
<ul> <li>Data representation (binary, hex, ASCII, Unicode, images, sound, compression)</li> </ul>	<u>=3</u>
<ul> <li>Computer systems (Boolean logic, application software, system software, programming classifications, system architecture, CPU, fetch-execute cycle, memory, storage)</li> </ul>	https://www.aqa.org.uk/subjects/com puter-science-and-it/gcse/computer- science-8525/assessment- resources?f.Resource+type%7C6=Quest
<ul> <li>Fundamentals of computer networks (wired, wireless, topologies, network security, protocols and layers)</li> </ul>	ion+papers
<ul> <li>Relational databases and structured query language (flat and relational databases, SQL language for insert, delete, search, update)</li> </ul>	Revision Guides CGP revision workbook (provided to all students)

### **FINE ART AND PHOTOGRAPHY**

### **Exam Board and Mock Exam Summary**

## Coursework Portfolio Tasks and Specification

### EXAM BOARD = OCR

### The Mock Exam Process

Preparation for the mock exam is done through the completion of personal practical work, not knowledge-based revision. This requires you to plan time to complete weekly, routine art/photography work whilst completing your revision for other subjects.

Below is a list of tasks which need to be completed before the mock exam begins  $w/c 1^{st}$  December. All work will be started in school and will require independent completion at home, or, by attending the weekly support session offered each week on Wednesdays 3:15-5:15.

At least one week of lessons and homework time has been assigned to each task below. The tasks below will contribute to the Coursework Portfolio, which is worth 60% of the GCSE. The Mock Exam will be used to develop the planning pieces into a final outcome.

#### Fine Art

Printmaking sheet (produced in Y10)

1<sup>st</sup> September: Observation of pomegranate in charcoal
 8<sup>th</sup> September: Observation of pomegranate in pastel

15<sup>th</sup> September: Georgia O'Keeffe study OR Peter Randall Page

black and white study

**22**<sup>nd</sup> **September:** Task 1: Artist study of choice in material of choice

(relevant to personal theme)

22<sup>nd</sup> September: Task 2: Personal photo shoot/s to provide

resources for all future work

29th September: Observational drawing (relevant to personal

theme)

6<sup>th</sup> October: Monoprint (relevant to theme)

**13**<sup>th</sup> **October:** Planning piece 1

W/C 20<sup>th</sup> October and October half-term will be used for the completion and improvement of any of the above work.

**3<sup>rd</sup> November:** Planning piece 2

**10**<sup>th</sup> **November:** Planning piece 2 (continued)

17th November: Planning piece 3

**24**<sup>th</sup> **November:** Planning piece 3 (continued)

1<sup>st</sup> December: Final preparation for outcome before mock exam

begins

### **Specification:**

OCR GCSE (9-1) Art and Design J170-J176 specification

Exam board examples of marked coursework portfolios:

GCSE (9-1) Art and Design Externally Set Task 170/01 170/02

**Belvoir Priory Art Department Pinterest page:** 

<u>Belvoirprioryart (belvoirprioryart) -</u> Profile | Pinterest

### **Photography techniques:**

https://www.bbc.co.uk/bitesize/guides/zyqfg2p/revision/1

### A-Z of Photographers:

https://pfoa.sharepoint.com/sites/belv oir/subjects/art/Documents/Forms/AllI tems.aspx?viewid=52b106ff%2Dd07f% 2D45a4%2D898b%2D04d1777fc884&id =%2Fsites%2Fbelvoir%2Fsubjects%2Far t%2FDocuments%2Fa%2Dz%5Fphotogr aphers%2Epdf&parent=%2Fsites%2Fbel voir%2Fsubjects%2Fart%2FDocuments

### **Photography**

**1**<sup>st</sup> **September- 21**<sup>st</sup> **September:** Slides on Powerpoint to reference 3 photographers relevant to theme, with examples of work, analysis and contact sheet prints to show personal responses to their work. Work should reference

**22**<sup>nd</sup> **September:** Final editing of first photoshoots to provide best responses to each shoot and presentation of work on Powerpoint. Confirm the direction/theme of personal work and plan further photoshoots.

**29**<sup>th</sup> **September:** Exploration of digital editing, including filters, layer masking techniques etc through relevant artist research and experiments to develop theme.

**6<sup>th</sup> October:** Exploration of physical editing, including collaging, drawing, bleaching, weaving, burning, negative creation, projection etc through relevant artist research and experiments to develop theme

**13**<sup>th</sup> **October:** Planning piece 1 (including photoshoots, research and relevant editing recorded on Powerpoint)

W/C 20<sup>th</sup> October and October half-term will be used for the completion and improvement of any of the above work.

3<sup>rd</sup> November: Planning piece 2

10<sup>th</sup> November: Planning piece 2 (continued)

17th November: Planning piece 3

**24**<sup>th</sup> **November:** Planning piece 3 (continued)

1<sup>st</sup> December: Final preparation for outcome before mock exam

begins

### How to create a revision timetable

- 1 Work out when you need to start your revision and how many weeks you need to revise for and make a basic calendar (see other booklet).
- 2 Decide on your day off each week and mark it off on the calendar for each week.

Most people choose Saturday as their day off, but you can change this depending on what suits you best. If it's your birthday or you have a sports practice or other commitment, have that day off and work on Saturday. Remember this can be flexible each week depending on your plans, so it doesn't have to be the same day off every week, but you should be revising for six out of seven days.

3 - Plot which subject you are going to revise in each slot, two or three subjects per night.

Look at how much you have to revise for each subject as a guide for how many times a week you need to schedule it for.

4 - Now assign the revision topics to each slot.

Your teachers have broken the exam papers down into key topics/areas to revise. Count how many revision sessions you have per subject, then count how many topics there are per subject. Divide the number of topics by the number of revision sessions, this will tell you how many topics you need to study in each revision session.

5 – Look at each topic and decide the best revision strategy for that topic, then write it into the timetable.

The aim here is to make as many decisions as possible now so that when you come to revise, you can just sit down and get on with it.

Look at the revision skills booklet, then write under each topic whether you will make mind maps, revision cards, do past papers etc. Choose the revision strategies that work the best for you AND for the topic you are studying.