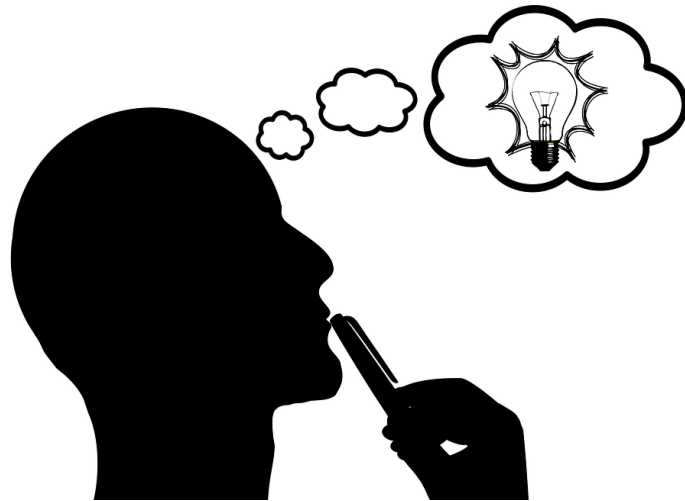


Year 11 Mock Exams 2017



Revision Checklists

*"The only place success comes before work is in
the dictionary." – Vince Lombardi*

Dear Student,

It is important to realise that there are plenty of different ways to revise and you need to identify the methods that work for you, and use those.

Your teachers have compiled this booklet outlining the “all you need to know” for your upcoming mock exams. However, just learning this knowledge is futile if you do not **practise**. It is essential that as part of your revision you are **interacting** with it.

A few top tips:

- Make revision timetable and stick to it (but don't spend ages colouring it in or decorating it...this is just wasting time!)
- Take regular breaks.
- Take part in regular exercise.
- Put your phone out of the room – this is the biggest distraction for anyone trying to study.
- Look at model answers.
- Test yourself and get others to test you.
- Practise exam questions in timed conditions.
- Practise decoding questions – if you know everything but don't understand what the question is asking, it is useless!
- Speak to your teachers if you are unsure about anything.

Finally, for more tips check out:

<https://www.revisionbuddies.com>

Good luck!

Miss Wilkinson (HOY)

Mrs Abslom (Assistant Headteacher)

Business Studies (OCR)

Exam Duration	1 hour	Equipment	Pen, pencil, ruler, calculator
Revision Resources	GCSE Business Studies Bitesize http://www.bbc.co.uk/education/subjects/zpsvr82 http://www.beebusinessbee.co.uk/ http://www.tutor2u.net/search?q=GCSE+Business		
Exam Revision Checklist			
Content		Revised?	
Types of business activity - Sectors - Changes in sectors			
Business objectives -SMART objectives -Survival, Sales, Profit, Service, Growth -Conflict of objectives			
Private and Public sector businesses -characteristics of and examples			
Stakeholders and stakeholder conflict -Customers, suppliers, employees, government, local community, pressure groups			
Incorporated and Unincorporated businesses -Features and explanation of both forms of business			
Reasons why businesses fail -Poor management, wrong location, poor cash-flow, high costs, poor quality of products/service, too much competition			
Types of integration - Horizontal - Vertical (Backwards and Forwards) - Diversification			
Location -Factors of location – access to raw materials, cost of location, climate/geography, access to markets, transport and infrastructure -Government support –RDAs/ Local government			
Sole Traders and Partnerships -Key features and structure -Advantages and disadvantages -Similarities and differences			
Private and Public Limited companies -Key features and structure -Advantages and disadvantages -Similarities and differences			

<p>Other types of business -franchises -Multinational companies (MNCs)</p>	
<p>Recruitment and Selection analyse and discuss the recruitment and selection process:</p> <ul style="list-style-type: none"> • analyse and discuss types of, and the importance of, training • analyse and discuss monetary methods of motivation • calculate changes in employee remuneration • analyse and discuss non-monetary methods of motivation • analyse and discuss the laws which relate to employment • analyse and discuss the role of trade unions 	
<p>Organisation and communication</p> <ul style="list-style-type: none"> • analyse and discuss the internal organisation of business • analyse and discuss the role of the functional areas of business • analyse and discuss how and why the organisation of a business might change over time • analyse and discuss how and why work patterns for businesses and employees are changing • analyse and discuss methods of communication used by business • discuss the impact of ICT developments on business communication • analyse and discuss the impact of ICT on the workforce. 	

Computer Science (OCR)

Exam Duration	2 exams Computer systems 1 hour 30 minutes Computational thinking, Algorithms and Programming 1 hour 30 minutes	Equipment	pens
Revision Resources	<p>New GCSE Computer Science OCR Revision Guide - for the Grade 9-1 Course Paperback – 12 Apr 2016, ISBN-13: 978-1782946021</p> <p>New GCSE Computer Science OCR Exam Practice Workbook - for the Grade 9-1 Course (includes Answers) Paperback – 21 Apr 2016 by CGP Books (Author, Editor) ISBN: 9781782946038</p>		
Exam Revision Checklist			
Content			Revised?
1	Components of a computer system	CPU (CU & ALU) Fetch, decode and execute cycle CPU registers Memory RAM and ROM Secondary storage System software (OS) and parts of OS	
2	Computer networks	LAN, WAN, MAN, PAN, VPN, DNS, NIC, NAS Client server and peer to peer networks	
3	Network topologies	Bus, Ring, Star, Mesh topologies	
4	Computer storage	Primary and secondary storage Different types of storage media and its characteristics	
5	Binary numbers and conversion to decimal	Binary to decimal and decimal to binary conversion, Logic gates, Binary to hexadecimal and octal conversions Octal and hexadecimal to binary conversion	

6	Algorithms	Pseudocode and flowcharts for a given scenario	
7	Security threats	Viruses, malware, botnet	
8	Binary number	Conversions from binary to decimal and hexadecimal Conversion from decimal number to binary and hexadecimal Adding binary numbers Character set and ASCII table	
9	Data structure	Data types e.g. integer, string and boolean Purpose and limitation of each data type	
10	Search methods	Binary search Bubble sort	
11	IDE(Integrated Development Environment)	Properties of IDE Types of error (Logical and syntax errors) and debugging methods	
12	Boolean logic	Logic gates e.g. AND gate, NOT gate, OR gates etc. Truth tables Casting data Iteration Selection	

Drama (OCR)

Exam Duration	55 Minutes	Equipment	Pens & pencils
Revision Resources	Blood Brothers notes. Revision materials on Show my homework.		
Exam Revision Checklist			
Content			Revised?
Section A	Blood Brothers		
	Themes	The key themes of the play and how they are portrayed.	
	Characters, costumes, key phrases.	Who they are, what they'd wear and key quotations with an explanation of what it tells us about them.	
	Key Scenes	Which scenes are most important and why?	
	Stage names and advantages and disadvantages	Which stage would you use and why? What are the advantages and disadvantages of each stage.	
	Vocab list	Using key vocabulary.	
	Context	You must know all about Margaret Thatcher, Unemployment, closure of mines and factories and Marilyn Monroe's influence.	

English (AQA)

Exam Duration	1 hour 45 minutes	Equipment	Pen
Revision Resources	Example exam questions (on AQA.org.uk)		
Exam Revision Checklist			
Content			Revised?
Reading	Understanding an unseen text	Picking out important information from a text, identifying key facts	
	Summarising differences between 2 texts	Identifying differences between two texts and the effect that is created by these	
	How language is used in a text	Identifying the language techniques used to explain/describe a particular thing, and the effect created by these	
	Comparing the viewpoints/ Perspectives in two different texts	Identifying the viewpoints/perspectives presented in the texts and how these are similar/different. Identifying the methods (language techniques) used to present these viewpoints/perspectives	
Writing	Persuasive/ argumentative writing	SPAG, descriptive techniques (imagery, metaphors/similes, personification, onomatopoeia)	

Graphic Products (AQA)

Exam Duration	2 Hours (120 minutes)	Equipment	Students have been issued with the long list.
Revision Resources	<u>Collins Revision Books GCSE D&T Graphic Products x 2</u> ISBN: 978-1-906415-49-5 ISBN: 978-1-906415-50-1		
Exam Revision Checklist			
Content			Revised?
Context	Self Assembly decoration for a special event.	Text, colour, paper engineering, cutting and gluing.	
Drawing Techniques	Isometric, Orthographic and Perspective. CAD Software	The basic ways of using these.	
Colour tone	How to successfully add colour to show texture etc	Coloured pencils	
Plastics and Card	Environmental and recycling issues. Sustainability Issues	2 main families of plastics. Recycling ethics of paper.	
The 5 designers	Know the famous 5	What are they famous for?	
Production Techniques	Printing and cutting techniques	The varieties and what they are used for.	
Smart and Modern Materials	How they work?	Where are they used?	

History (AQA)

Exam Duration	1 hour 45 minutes	Black biro/pen plus one spare
Revision Resources	Student's own exercise book http://www.bbc.co.uk/schools/gcsebitesize/history/video/ir1/ CGP revision guide	
Exam Revision Checklist		
Paper	Content	Revised?
<u>Exam board: AQA</u> The year 11 mock paper will combine one section from Paper 1 and one section from Paper 2		
<u>PAPER 1:</u> Understanding the Modern World <u>SECTION A:</u> Germany 1890-1945, Democracy and Dictatorship	<ul style="list-style-type: none"> • How was Germany ruled before World War I? • The problems faced by Kaiser Wilhelm II • The economic and political problems that Germany faced between 1919-1923 • The ways in which the Depression affected Germany. • The appeal of Adolf Hitler and reasons why people voted for him. 	
<u>PAPER 2:</u> Shaping the Nation <u>SECTION B:</u> Elizabethan England, 1568–1603	<ul style="list-style-type: none"> • Exploration in Elizabethan times focussing on Drake. • The Essex Rebellion. • The challenge of Puritanism in the Elizabethan age. • Hardwick Hall. 	

ICT (OCR)

OCR Cambridge Nationals in ICT

Exam Duration	1 hour	Equipment	pens
Revision Resources	My Revision Notes OCR Cambridge Nationals in ICT Levels 1 / 2 Unit 1 Understanding Computer Systems Paperback – 28 Jun 2013 by Brian Gillinder (Author), Sonia Stuart (Author) ISBN: 9781444193855 Pre-released case study and practice questions from Showmyhomework		
Exam Revision Checklist			
Content			Revised?
1	How ICT is used by individuals and businesses include hardware and software	Difference between desktop and portable systems, advantage and disadvantages of different types of systems, input devices, output devices, storage devices, connectivity devices, system software, application software	
2	Copyright law and use creative commons	Creative commons laws and their benefits	
3	Monitoring of employees by organisations	Monitoring employees and ethical issues around it	
4	Backup and recovery methods	Backups Factors affecting the choices of backup methods	
5	How businesses communicate with employees and general public	Email etiquettes Shared calendars and online diary management systems	
6	Threats to data security and how to deal with them	Threats to data security Actions to minimise the risk Data privacy and issues around it	
7	Legislation	Copyright Designs and Patents Act. The Data Protection Act.	

Maths (Higher)

Edexcel

Exam Duration	1hr 30 mins (non-calculator) 2 X 1hr 30 mins (calculator)	Equipment	Pen, pencil, ruler, rubber, protractor, compass, calculator and highlighters
Revision Resources	Corbettmaths.com Mathsgenie.co.uk	Revision guide & workbook mymaths booster packs	
Exam Revision Checklist			
Content			Revised?
Histogram	Transformations of graphs	Functions	
Proof	Algebraic Proof	Probability	
Surds	Gradients of a curve	Algebraic Fractions	
HCF/LCM	Inequalities	Indices	
Direct & Indirect Proportion	Percentages	Averages	
Pythagoras' Theorem	Transformations	Standard Form	
Compound Measures	Area/Perimeter	Trig & trig graphs	
Sequences- linear & geometric	Upper/Lower Bounds	Ratio/Proportion	
Solving Equations	Probability	Iteration	
Cumulative Frequency & box plots	Angles	Expanding brackets & simplifying	
Simultaneous Equations	Straight line and quadratic graphs	Volumes	
Circle Theorems	Iteration	Vectors	
Surds	Histograms	Scatter graphs	

Maths (Foundation)

Edexcel

Exam Duration	1hr 30 (non- calculator) 2 x 1hr 30 (calculator)	Equipment	Pen, pencil, ruler, rubber, protractor, compass, calculator and highlighters
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Revision Resources	*Corbettmaths.com *Mathsgenie.co.uk *BBC Bitesize (Maths 2015+)	*mymaths.co.uk (Maths boosters) *Revision guide and workbook 9-1 *Search "free Maths revision" in your app store
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Exam Revision Checklist

Content			Revised?
Metric conversions	Sequences	Conversion graphs	
Fractions, decimals, %	Factors and multiples	Best buys	
Rounding	Constructions	Distance/Speed/Time	
Indices	Timetables	Transformations	
Perimeter	Probability & Tree diagrams	Volume	
Polygons	Percentages	Straight line graphs	
Averages	Standard Form	Graphing data: bar graphs, pie charts, scatter graphs	
Properties of 2D/3D shapes	Stem and leaf	Angles	
Pythagoras' theorem	Bearings & Scale	Simultaneous equations	
Area	Formulae	Trigonometry	
Graphs from tables of values	Algebra- expanding/factorising/simplifying	BIDMAS	

Music (OCR)

Exam Duration	1 hour	Equipment	CD and listening exam paper
Revision Resources	GCSE Revision Guide (CGP guide available to purchase at a reduced price from the Music Dept.) Past papers on Show My Homework BBC Bitesize (Music) for film and pop music		

Exam Revision Checklist				
AoS	Unit title	Content	What to revise	Revised?
AoS2	The Concerto through Time	<ul style="list-style-type: none"> • Baroque concerto solo and grosso • Classical concerto • Romantic concerto 	<ul style="list-style-type: none"> • Instruments from each era • Key features from each era eg. Melody, accompaniment, texture • A composer from each era • An example of each type of concerto 	
AoS3	Rhythms of the World	<ul style="list-style-type: none"> • Classical Indian • Bhangra • Traditional Eastern Mediterranean and Arabic folk rhythms (Israel, Palestine and Greece) • Traditional African drumming • Traditional calypso and samba 	<ul style="list-style-type: none"> • Key instruments for each style • Key features, such as tempo and time signature • Melody and accompaniment • Structure/ form 	
AoS4	Film Music	<ul style="list-style-type: none"> • Film (descriptive) music • Western classical film music • Music for video games 	<ul style="list-style-type: none"> • A film music composer (eg. John Williams) • Past papers provided in Show My Homework 	
AoS5	Conventions of Pop	<ul style="list-style-type: none"> • Rock 'n' Roll of the 1950s and 1960s • Rock Anthems of the 1970s and 1980s 	<ul style="list-style-type: none"> • Instruments used in each decade • The development of technology over time (eg. 	

		<ul style="list-style-type: none">• Pop Ballads of the 1970s, 1980s and 1990s• Solo Artists from 1990 to the present day.	studio recordings, FL Studio techniques) <ul style="list-style-type: none">• An artist and band from each era genre/ decade	
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Physical Education (AQA)

Exam Duration Paper 1 & Paper 2	1 hr	Equipment	Pen, calculator, ruler, pencil
Revision Resources	http://www.bbc.co.uk/education/subjects/znyb4wx		
Exam Revision Checklist			
Paper 1			
Content		Revised?	
Components of fitness			
Movement analysis			
Respiratory system			
Gaseous exchange			
Bones			
Structure of a synovial joint			
Structure of the heart			
Aerobic and Anaerobic exercise			
Training methods			
Warm up & cool down			
Interpreting data			
Paper 2			
Content		Revised?	
Spectator behaviour			
Feedback			

Performance enhancing drugs	
Somatotypes	
SMART targets	
Aggression	
Diet & Nutrition	
Etiquette	
Sponsorship	
Physical, Health and well being	
Information processing	
Engagement patterns of different social groupings	

Product Design (AQA)

Exam Duration	2 hours	Equipment	Bring a pencil and colouring pencils to the exam.
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Revision Resources	Class Books and folders Set of past papers http://www.technologystudent.com/
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Exam Revision Checklist

Content	Revised?
Promotional packaging	
Packaging and packaging symbols	
Manufacturing Systems	
Production Systems	
Manufacturing Processes	
Environmental issues in packaging	
Quality in manufacture	
Product marketing	
Consumer issues	
Print finishing processes	
Design movements	
Design methodology	
Environmental issues	

Religious Studies: AQA

Exam Duration	1 hour 45 Minutes	Equipment	Black pen x 2
Revision Resources	Class notes. Revision mind maps provided in class.		
Exam Revision Checklist			
Content			Revised?
Buddhism			
3.1.1.1	Beliefs and teachings: The early life of the Buddha and the Dhamma		
3.1.1.2	Buddha and the Four Noble Truths.		
3.1.1.3	Buddhist practices: Worship and practices. Buddhist ethics.		
Judaism			
3.1.6.1	Beliefs and teachings: Key beliefs. The Covenant and the Mitzvot.		
3.1.6.2	Practices: Synagogue and worship. Family life and festivals.		
Thematic Studies.			
3.2.1.2	Religion and Life		
3.2.1.4	Religion Peace and Conflict		
3.2.1.5	Religion Crime and Punishment.		

Science (Combined AQA Trilogy)

Exam Duration	Biology 1hr 15min Chemistry 1hr 15min Physics 1hr 15 min <i>Please note these are only half of the exams that in the final GCSE</i>	Equipment	Black pens Ruler Pencil Calculator Protractor
Revision Resources	www.my-GCSEscience.com AQA Science textbooks available on kerboodle.com Biology for combined science trilogy, Chemistry for combined science trilogy, Physics for combined science trilogy. (Usernames and passwords available from Mrs Norris if forgotten) BBC bitesize www.aqa.org.uk for past exam papers		
Exam Revision Checklist			
Content			Revised?
	Title	Textbook chapter	
Biology	Cell structure and transport in cells Cell division Digestive system Plant tissues Communicable disease Heart and lifestyle disease Bioenergetics	B1 B2 B3 B4 (4.6-4.9 only) B5 and B6 B4 and B7 B8 and B9	
Chemistry	Atomic structure and the periodic table Bonding and structures Metals and reactivity Reactions of Acids Calculations	C1 and C2 C3 C5 C5 C4	
Physics	National and global energy resources Particle model Atomic structure and radiation Conservation and Dissipation of energy Energy transfer by heating Electricity Domestic uses of electricity and safety	P3 P6 P7 P1 P2 P4 P5	

Science (Combined AQA Trilogy)

Exam Duration	Biology 1hr 15min Chemistry 1hr 15min Physics 1hr 15 min <i>Please note these are only half of the exams that in the final GCSE</i>	Equipment	Black pens Ruler Pencil Calculator Protractor
Revision Resources	www.my-GCSEscience.com AQA Science textbooks available on kerboodle.com Biology for combined science trilogy, Chemistry for combined science trilogy, Physics for combined science trilogy. (Usernames and passwords available from Mrs Norris if forgotten) BBC bitesize www.aqa.org.uk for past exam papers		
Exam Revision Checklist			
Content			Revised?
	Title	Textbook chapter	
Biology	Cell structure and transport in cells Cell division Digestive system Plant tissues Communicable disease Heart and lifestyle disease Bioenergetics	B1 B2 B3 B4 (4.6-4.9 only) B5 and B6 B4 and B7 B8 and B9	
Chemistry	Atomic structure and the periodic table Bonding and structures Metals and reactivity Reactions of Acids Calculations	C1 and C2 C3 C5 C5 C4	
Physics	National and global energy resources Particle model Atomic structure and radiation Conservation and Dissipation of energy Energy transfer by heating Electricity Domestic uses of electricity and safety	P3 P6 P7 P1 P2 P4 P5	

Triple Science (AQA)

Exam Duration	Biology 1hr 15min Chemistry 1hr 15min Physics 1hr 15 min <i>Please note these are only half of the exams that in the final GCSE</i>	Equipment	Black pens Ruler Pencil Calculator Protractor
Revision Resources	www.my-GCSEscience.com AQA Science textbooks available on kerboodle.com Biology for combined science trilogy, Chemistry for combined science trilogy, Physics for combined science trilogy. (Usernames and passwords available from Mrs Norris if forgotten) BBC bitesize www.aqa.org.uk for past exam papers		

Exam Revision Checklist			
Content			Revised?
	Title	Textbook chapter	
Biology	Cell structure and transport in cells Cell division Digestive system Plant tissues Communicable disease Heart and lifestyle disease Bioenergetics Required practicals: 1. Looking at cells under a microscope including biological drawing and calculating magnification. 2. Investigating the effects of antiseptics and antibiotics on bacterial growth 3. Investigating osmosis in plant cells. 4. Food tests (starch, sugar, lipids and proteins). 5. Investigating the effect of pH on the rate of reaction of amylase. 6. Investigating the effect of light intensity on the rate of photosynthesis.	B1 B2 B3 B4 (4.6-4.9 only) B5 and B6 B4 and B7 B8 and B9	
Chemistry	Atomic structure and the periodic table Bonding and structures Metals and reactivity Reactions of Acids	C1 and C2 C3 C5 C5	

	<p>Calculations Exo and endothermic reactions</p> <p>Required practicals:</p> <ol style="list-style-type: none"> 1. Preparing pure salt crystals from an insoluble metal oxide or metal carbonate and acid. 2. Carrying out a titration. 3. Investigating temperature changes during reactions. 	<p>C4 C7</p>	
Physics	<p>National and global energy resources Particle model Atomic structure and radiation Conservation and Dissipation of energy Electricity Domestic uses of electricity and safety</p> <p>Required Practicals:</p> <ol style="list-style-type: none"> 1. Measuring specific heat capacity of a material. 2. Investigating the materials as insulators 3. Investigating the resistance of a wire. 4. Investigating the I-V characteristics of different components in a circuit including: a filament lamp, a diode and a resistor at a constant temperature. 5. Investigating combinations of resistors in series and in parallel. 6. Investigating density of regular and irregular shapes and liquids. 	<p>P3 P6 P7 P1 P4 P5</p>	