



Committed to Excellence

**Year 10 Mock Exams 2018**  
**Checklist**

# Business Studies (AQA)

<b>Exam Duration</b>	1 hour 45 minutes	<b>Equipment</b>	Pen Pencil Ruler Calculator
<b>Revision Resources</b>	GCSE Business Studies Bitesize <a href="http://www.bbc.co.uk/education/subjects/zpsvr82">http://www.bbc.co.uk/education/subjects/zpsvr82</a> <a href="http://www.beebusinessbee.co.uk/">http://www.beebusinessbee.co.uk/</a> <a href="http://www.tutor2u.net/search?q=GCSE+Business">http://www.tutor2u.net/search?q=GCSE+Business</a>		

## Exam Revision Checklist

Content	Revised?
<b>Types of business activity</b> - Why Businesses exist - Needs and Wants - Sectors (Primary, Secondary, Tertiary) - Changes in sectors - Factors of production	
<b>Entrepreneurs</b> -What is an entrepreneur – Skills and qualities	
<b>Business objectives</b> -SMART objectives -Survival, Sales, Profit, Service, Growth -Conflict of objectives -Difference between an aim and objective -How to measure objectives -Why objectives change	
<b>Private and Public sector businesses</b> -characteristics of and examples	
<b>Stakeholders and stakeholder conflict</b> -Customers, suppliers, employees, government, local community, pressure groups	
<b>Incorporated and Unincorporated businesses</b> -Features and explanation of both forms of business	
<b>Business Planning</b> -Sections of a business plan -Why businesses write a business plan -problems of writing a business plan	
<b>Business Costs and Revenues</b> -Fixed costs, variable costs, Total costs and Revenue	
<b>Types of integration</b> - Horizontal	

<ul style="list-style-type: none"> <li>- Vertical (Backwards and Forwards)</li> <li>- Conglomerates</li> </ul>	
<p><b>Location</b></p> <ul style="list-style-type: none"> <li>-Factors of location – access to raw materials, cost of location, climate/geography, access to markets, transport and infrastructure</li> <li>-Government support</li> </ul>	
<p><b>Sole Traders and Partnerships</b></p> <ul style="list-style-type: none"> <li>-Key features and structure</li> <li>-Advantages and disadvantages</li> <li>-Similarities and differences</li> </ul>	
<p><b>Companies (Ltd and PLC)</b></p> <ul style="list-style-type: none"> <li>-Key features and structure</li> <li>-Advantages and disadvantages</li> <li>-Similarities and differences</li> </ul>	
<p><b>Other types of business</b></p> <ul style="list-style-type: none"> <li>-franchises</li> <li>-Multinational companies (MNCs)</li> </ul>	

## Drama (OCR)

<b>Exam Duration</b>	55 Minutes	<b>Equipment</b>	Pens & pencils
<b>Revision Resources</b>	Blood Brothers notes.		
<b>Exam Revision Checklist</b>			
<b>Content</b>			<b>Revised?</b>
<b>Section A</b>	<b>Blood Brothers</b>		
	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.	

## D&T: RM pathway (Edexcel)

<b>Exam Duration</b>	1 hour 45 minutes	Black biro/pen plus one spare Calculator Ruler
<b>Revision Resources</b>	Student's own exercise book Edexcel Textbook	
<b>Exam Revision Checklist</b>		
<b>Paper</b>	<b>Content</b>	<b>Revised?</b>
<b><u>Section A</u></b> <b><u>Core theory</u></b>	Properties of materials – timbers, metals, boards, plastics, fabrics Levers and mechanisms inc. calculations of ratios, mechanical advantage velocity ratio, etc.. Manufacturing systems New and emerging technologies	
<b><u>Section B</u></b>	Components Materials – Timbers and manufactured boards	
<b><u>In both sections</u></b>	Circle theory Working out areas	
<b><u>Web Sources</u></b>	<a href="https://www.bbc.co.uk/education/subjects/zvg4d2p">https://www.bbc.co.uk/education/subjects/zvg4d2p</a> <a href="http://www.technologystudent.com/">http://www.technologystudent.com/</a> <a href="http://www.design-technology.info/home.htm">http://www.design-technology.info/home.htm</a>	

### **Students are advised to purchase a copy of the student textbook**

Possible sources for the book:

<https://www.amazon.co.uk/Edexcel-GCSE-Design-Technology-Student/dp/1292184582>

<http://www.pearsonschoolsandfecolleges.co.uk/secondary/DesignAndTechnology/14-16/EdexcelGCSEDesignandTechnology91/ISBN/StudentBooks/EdexcelGCSE91DesignandTechnologyStudentBookscenario1b.aspx>

<https://www.bookdepository.com/Edexcel-GCSE-9-1-Design-Technology-Student-Book-Mark-Wellington/9781292184586>

<http://brownsbfs.co.uk/Product/Wellington-Mark/Edexcel-GCSE-9-1-design-and-technology-Student-book/9781292184586>

## D&T: Textiles pathway (Pearson Edexcel)

<b>Exam Duration</b>	1 hour 45 minutes	Black biro/pen plus one spare Calculator Ruler
<b>Revision Resources</b>	Student's own exercise book Edexcel Textbook	
<b>Exam Revision Checklist</b>		
<b>Paper</b>	<b>Content</b>	<b>Revised?</b>
<b><u>Section A</u></b> <b><u>Core theory</u></b>	Properties of materials – metals, boards, plastics, fabrics Levers and mechanisms Manufacturing systems New and emerging technologies	
<b><u>Section B</u></b>	Components Materials – natural, synthetic, modern and smart Finishes	
<b><u>In both sections</u></b>	Circle theory Working out areas	

# English (AQA)

<b>Exam Duration</b>	1 hour 45 minutes	<b>Equipment</b>	Pen
<b>Revision Resources</b>	Example exam questions (on AQA.org.uk)		
<b>Exam Revision Checklist</b>			
<b>Content</b>			<b>Revised?</b>
Reading	Understanding an unseen text	Picking out important information from a text, identifying key facts	
	Language analysis in an unseen text	Identifying language techniques (e.g. similes, metaphors) in a text, how they are used and the effects they create	
	How an unseen text is structured	Identifying the order of events in a text and why the writer has ordered them in this way	
	Expressing your opinions on an unseen text	Forming your own responses about a text. What type of language has been used? What effects does this create? Are they successfully used?	
Writing	Descriptive writing	SPAG, use of descriptive techniques (imagery, personification, onomatopoeia), how to structure a piece of descriptive writing	

# Food, Preparation and Nutrition (AQA)

<b>Exam Duration</b>	1 hour 45 mins	<b>Equipment</b>	Black/blue pen and pencil
Revision Resources	CGP Red and white books, the main focus is pages 14-22 but all sections are included in the Mock and real exams.		
Exam Revision Checklist			
Content		Revised?	
Food, nutrition and health - Micro/macronutrients (food groups/vitamins/minerals), healthy diets, dietary requirements.			
Food science			
Food safety			
Factors affecting food choice (moral, ethical, religion)			
Food labelling			
British and international cuisines			
Food provenance and sources			
Food processing and production			
Food preparation and cooking techniques			



# Geography (AQA)

<b>Exam Duration</b>	1.5hrs	<b>Equipment</b>	Pen, pencil, ruler, calculator
<b>Revision Resources</b>	<a href="http://www.aqa.org.uk/subjects/geography/gcse/geography-8035">http://www.aqa.org.uk/subjects/geography/gcse/geography-8035</a> Links on SMHW		
<b>Exam Revision Checklist</b>			
<b>Content</b>	<b>Revised?</b>		
<b>Hazards: Tectonics- Volcano and Earthquakes</b> Theory of plate boundaries Cause , primary and secondary effects effects Management of the hazards- prediction, planning, preparation Case studies- LIC and HIC			
<b>Weather Hazards</b> Atmospheric Circulation Tropical Storms- cause, location, effects			
<b>Climate Change</b> Cause- natural and human Management of the impacts			
<b>Ecosystems- Tropical Rainforest</b> Nutrient Cycle Characteristics Deforestation- why and impacts Sustainable management Examples- ie location			
<b>Hot Environments</b> Characteristics of deserts and location Opportunities for development in a desert Challenges they face Causes of desertification Reducing desertification Example -Thar Desert			
<b>Coasts</b> Marine process Erosion and deposition Landforms Management of coastline- soft and hard engineering <b>Rivers</b> Processes Landforms Managing flood risk Storm Hydrographs			

# History (AQA)

<b>Exam Duration</b>	1 hour 45 minutes	Black biro/pen plus one spare
<b>Revision Resources</b>	Student's own exercise book Revision guide purchased through school	
<b>Exam Revision Checklist</b>		
<b>Paper</b>	<b>Content</b>	<b>Revised?</b>
<b>Paper 1:</b> Understanding the modern world  <b>Section B:</b> Conflict and tension 1918-1939	The terms of the Treaty of Versailles	
	German reactions to the Treaty of Versailles	
	The role of the League of Nations	
	Success and failures of the League of Nations	
	The Abyssinian Crisis - causes, events and consequences	
	Hitler's Foreign Policy and events leading to World War II	
	The Sudeten Crisis in 1938	
<b>Paper 2:</b> Shaping the Nation  <b>Section B:</b> Britain: Health and the People	Surgery from the Middle Ages to the 18 <sup>th</sup> century including the work of John Hunter	
	The development of penicillin	
	The creation of the NHS	
	An understanding of the key factors (science and technology, government, religion, individual genius, chance, war etc) and how they have contributed to our understanding of disease.	

# Information Technology (OCR)

<b>Exam Duration</b>	90 minutes	<b>Equipment</b>	Pen, pencil, ruler, rubber
<b>Revision Resources</b>	Google classroom resources and student work books Teach-ict.com W3schools.com <a href="https://www.smartsheet.com/blog/demystifying-5-phases-project-management">https://www.smartsheet.com/blog/demystifying-5-phases-project-management</a> <a href="http://www.mppm.com/project-management-methodology.php">http://www.mppm.com/project-management-methodology.php</a> <a href="http://pmo.gmu.edu/pmframework/pmlifecycle.cfm">http://pmo.gmu.edu/pmframework/pmlifecycle.cfm</a> <a href="http://www.sage.co.nz/life_cycle.htm">http://www.sage.co.nz/life_cycle.htm</a> <a href="https://www.sqa.org.uk/e-learning/ProjMan01CD/page_28.htm">https://www.sqa.org.uk/e-learning/ProjMan01CD/page_28.htm</a>		
<b>Exam Revision Checklist</b>			
<b>Content</b>		<b>Revised?</b>	
Phases of project life cycle			
Setting SMART objective			
Planning tools (Visualisation diagram, Gantt chart, PERT chart etc.)			
Project inputs and outputs			
Data security risks and prevention measures			
Computer legislations and their implications on businesses			
Data and information including big data			
Databases (creating, editing, validation, primary key, foreign key), Data capture methods, Data security etc.			

# Maths - Foundation (Edexcel)

<b>Exam Duration</b>	Paper 1 - non cal (45 min) Paper 2 - calc (45 mins) Paper 3 - calc (45 mins)	<b>Equipment</b>	Pen, pencil, ruler, rubber, protractor, compass, calculator and highlighters
<b>Revision Resources</b>	*Corbettmaths.com *BBC Bitesize (Maths 2015+)	*mymaths.co.uk	*Mathsgenie.co.uk

## Exam Revision Checklist

Content			Revised?
Fractions	Money problems	Equations	
Simplifying Expressions	Integers	Straight Line graphs	
Probability	Pie Charts	Types of numbers	
Angles in polygons	Conversions	Using tables	
Distance/Time/Speed	Formulae	Area	
Sequences	Angles		
Time Problems	Ratio & Proportion		
Volume	Stem & Leaf diagrams		
Probability trees	Averages		
Standard Form	Compound Interest		

# Maths - Higher (Edexcel)

<b>Exam Duration</b>	Paper 1 - non cal (45 min) Paper 2 - calc (45 mins) Paper 3 - calc (45 mins)	<b>Equipment</b>	Pen, pencil, ruler, rubber, protractor, compass, calculator and highlighters
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<b>Revision Resources</b>	Corbettmaths.com Mathsgenie.co.uk	CGP Revision guide & workbook mymaths booster packs
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## Exam Revision Checklist

<b>Content</b>	<b>Revised?</b>	<b>Content</b>	<b>Revised?</b>	<b>Content</b>	<b>Revised?</b>
Fractions		Compound Interest		Calculations with money	
Percentages		Angles		Sets & Venn diagrams	
Equations		Probability		Formulae	
Volume		Maximum/Minimum values		Straight line graphs	
Density		Construction/Loci		Gradient of str lines	
Indices		Averages		Indices	
Simplifying expressions		Transformations			
Factorising		Circle Theorems			
Similarity		Bearings			
<b>*Vectors</b>		<b>*Cosine rule</b>			
<b>*Function transformations</b>		<b>*Rates of Change</b>			

**\*Extension**

# MFL: French, Spanish (AQA)

<b>Exam Duration</b>	Listening 35 mins Reading 45 mins Writing 1 hour	<b>Equipment</b>	Pens highlighter
<b>Revision Resources</b>	AQA French/Spanish 1-9 available on Kerboodle. Usernames and passwords available from MFL if forgotten		
<b>Exam Revision Checklist</b>			
<b>Content</b>			<b>Revised?</b>
<b>1</b>	Identity and Culture	Me, my family and friends. Technology Free time Customs and festivals	
<b>2</b>	Local,national,international and global areas of interest	Home,town, neighbourhood and region Social issues Global issues Travel and tourism	
<b>3</b>	Current and future study and employment	My studies Life at school and college Education post-16 Jobs,careers and choices and ambitions	

# Music (OCR)

<b>Exam Duration</b>	1 hour	<b>Equipment</b>	CD and listening exam paper
<b>Revision Resources</b>	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		

<b>Exam Revision Checklist</b>				
<b>AoS</b>	<b>Unit title</b>	<b>Content</b>	<b>What to revise</b>	<b>Revised?</b>
<b>AoS2</b>	<b>The Concerto through Time</b>	<ul style="list-style-type: none"> <li>• Baroque concerto solo and grosso</li> <li>• Classical concerto</li> <li>• Romantic concerto</li> </ul>	<ul style="list-style-type: none"> <li>• Instruments from each era</li> <li>• Key features from each era eg. Melody, accompaniment, texture</li> <li>• A composer from each era</li> <li>• An example of each type of concerto</li> </ul>	
<b>AoS3</b>	<b>Rhythms of the World</b>	<ul style="list-style-type: none"> <li>• Classical Indian</li> <li>• Bhangra</li> <li>• Traditional Eastern Mediterranean and Arabic folk rhythms (Israel, Palestine and Greece)</li> <li>• Traditional African drumming</li> <li>• Traditional calypso and samba</li> </ul>	<ul style="list-style-type: none"> <li>• Key instruments for each style</li> <li>• Key features, such as tempo and time signature</li> <li>• Melody and accompaniment</li> <li>• Structure/ form</li> </ul>	
<b>AoS4</b>	<b>Film Music</b>	<ul style="list-style-type: none"> <li>• Film (descriptive) music</li> <li>• Western classical film music</li> <li>• Music for video games</li> </ul>	<ul style="list-style-type: none"> <li>• A film music composer (eg. John Williams)</li> <li>• Past papers provided in Show My Homework</li> </ul>	
<b>AoS5</b>	<b>Conventions of Pop</b>	<ul style="list-style-type: none"> <li>• Rock 'n' Roll of the 1950s and 1960s</li> <li>• Rock Anthems of the 1970s and 1980s</li> <li>• Pop Ballads of the 1970s, 1980s and 1990s</li> <li>• Solo Artists from 1990 to the present day.</li> </ul>	<ul style="list-style-type: none"> <li>• Instruments used in each decade</li> <li>• The development of technology over time (eg. studio recordings, FL Studio techniques)</li> <li>• An artist and band from each era genre/ decade</li> </ul>	

# Physical Education (AQA)

<b>Exam Duration</b>	Physical Education	<b>Equipment</b>	1 Hour 15 mins Calculator Pencil ruler
<b>Revision Resources</b>	Class books and textbooks. <a href="https://www.bbc.com/education/examspecs/zp49cwx">https://www.bbc.com/education/examspecs/zp49cwx</a>		
<b>Exam Revision Checklist</b>			
<b>Content</b>			<b>Revised?</b>
Movement Analysis	Name types of movement, the muscle causing it and type of contractions.		
Components of Fitness (COF)	State and define each COF. Justify why the COF would or would not be needed when performing a certain activity or sport.		
Fitness testing	Name and explain (method) for each test. Reasons for and limitations of the test for sport. Evaluate the tests are relevant to the performer.		
Principles of training	Define and evidence each one using practical examples. Evaluate the performance benefit for each principle.		
Effects of training	The immediate effects of exercise, Short term effects of exercise and the long-term effects of exercise.		
Intensities of training	Aerobic and Anaerobic exercise. Calculating training zones and thresholds.		
Cardiovascular system	Blood vessels, redistribution of blood during exercise		
Nutrition	Name and explain/evidence/justify the need of each nutrient in a diet. Evaluate the performance benefit of each type.		
Training Methods	Name and define each training method. Justify the link to the activity and evaluate the use for a sport or activity.		



# Religious Studies (AQA)

<b>Exam Duration</b>	1 hour 45 Minutes	<b>Equipment</b>	Black pen x 2
<b>Revision Resources</b>	Use class notes and revision notes.		
<b>Exam Revision Checklist</b>			
<b>Content</b>		<b>Revised?</b>	
<b>Buddhism</b>			
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.		
<b>Judaism</b>			
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.		

# Science (Combined AQA Trilogy)

<b>Exam Duration</b>	Biology 1hr Chemistry 1hr Physics 1hr	<b>Equipment</b>	Black pens Ruler Pencil Eraser Calculator Protractor
<b>Revision Resources</b>	<a href="http://www.my-GCSEscience.com">www.my-GCSEscience.com</a> 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 <a href="http://www.aqa.org.uk">www.aqa.org.uk</a> for past exam papers		
<b>Exam Revision Checklist</b>			
<b>Content</b>			<b>Revised?</b>
	<b>Title</b>	<b>Textbook chapter</b>	
<b>Biology</b>	Cell structure and transport in cells Cell division Digestive system Plant tissues Communicable disease Heart and lifestyle disease Bioenergetics The nervous system Classification Adaptations and interdependence Organising an ecosystem Biodiversity  <u>Required Practicals:</u> <i>Using microscopes to see cells and biological drawing</i> <i>Investigating the effect of osmosis on plant tissue (using potato)</i> <i>Food tests</i> <i>Investigating the effect of pH on the rate of reaction of amylase</i> <i>Investigating the effect of light intensity on the rate photosynthesis in pond weed</i> <i>Investigating reaction times using the ruler drop test</i> <i>Investigating the population size of a common species in a habitat</i>	B1 B2 B3 B4 (4.6-4.9 only) B5 and B6 B4 and B7 B8 and B9 B10 B14.9 only B15 B16 B17	

<b>Chemistry</b>	Atomic structure and the periodic table Bonding and structures Purity Fuels and feedstocks The atmosphere Life cycle assessment  <u>Required Practicals</u> <i>Using paper chromatography to find Rf values</i> <i>Purifying and testing water using distillation</i>	C1 and C2 C3 C1 C9 C11 C14	
<b>Physics</b>	Conservation and Dissipation of energy National and global energy resources Particle model Atomic structure and radiation Motion Waves Electromagnetic waves  <u>Required Practicals</u> <i>Determining the specific heat capacity of a metal</i> <i>Measuring the density of regular and irregular shaped objects and liquids</i> <i>Investigating plane waves in a ripple tank and waves in a solid</i>	P1 P3 P6 P7 P9 P11 P12	

# Science (AQA Separate Sciences)

<b>Exam Duration</b>	Biology 1hr30 Chemistry 1hr30 Physics 1hr30	<b>Equipment</b>	Black pens Ruler Pencil Eraser Calculator Protractor
<b>Revision Resources</b>	<a href="http://www.my-GCSEscience.com">www.my-GCSEscience.com</a> 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 <a href="http://www.aqa.org.uk">www.aqa.org.uk</a> for past exam papers		
<b>Exam Revision Checklist</b>			
<b>Content</b>			<b>Revised?</b>
	<b>Title</b>	<b>Textbook chapter</b>	
<b>Biology</b>	Cell structure and transport in cells Cell division Digestive system Plant tissues Communicable disease Heart and lifestyle disease Classification Adaptations and interdependence Organising an ecosystem Biodiversity and food production  <u>Required Practicals:</u> <i>Using microscopes to see cells and biological drawing</i> <i>Investigating the effect of osmosis on plant tissue (using potato)</i> <i>Food tests</i> <i>Investigating the effect of pH on the rate of reaction of amylase</i> <i>Investigating the effect of antiseptic chemicals on the growth of bacteria</i> <i>Investigating the population size of a common species in a habitat</i> <i>Investigating the effect of temperature on the rate of decay of fresh milk by measuring pH change.</i>	B1 B2 B3 B4 (4.6-4.9 only) B5 and B6 B4 and B7 B15.9 only B16 B17 B18	

<b>Chemistry</b>	<p>Atomic structure and the periodic table          Bonding and structures and nanoscience          Metals and reactivity and reactions of acids          Fuels and feedstocks          The atmosphere          Life cycle assessment          Using materials</p> <p><u>Required Practicals</u>  <i>Making a pure salt from a solution, and from a reaction between an insoluble base and an acid.</i>  <i>Purifying and testing water using distillation</i></p>	<p>C1 and C2          C3          C5          C9          C13          C14          C15</p>	
<b>Physics</b>	<p>Conservation and Dissipation of energy          National and global energy resources          Particle model          Forces 1 and moments, levers and gears          Motion          Forces and pressure          Waves</p> <p><u>Required Practicals</u>  <i>Determining the specific heat capacity of a metal</i>  <i>Measuring the density of regular and irregular shaped objects and liquids</i>  <i>Investigating plane waves in a ripple tank and waves in a solid</i></p>	<p>P1          P3          P6          P8          P9          P11          P12</p>	