Year 10 Revision Booklet 2024



This booklet contains all the GCSE and BTEC subjects that will be sat in year 11.

You have been given spaces to complete the following:

- RAG rate all the topics for your subjects. This will allow you to see where you feel confident and which topics you need to prioritise.
- 2. Use these ratings to help you plan and organise your revision into a timetable.
- 3. Revisit the RAG ratings at different intervals to check your progress.

English Language

Торіс	1	2	3
Paper 1 Reading Skills			
Q1-List/find questions			
Paper 1 Reading Skills			
Q2-Language analysis			
Paper 1 Reading Skills			
Q3-Structure analysis			
Paper 1 Reading Skills			
Q4-Evaluation			
Paper 1 Writing Skills			
Narrative Writing			
Paper 1 Writing Skills			
Descriptive writing			
Paper 2 Reading Skills			
Q1-True/false			
Paper 2 Reading Skills			
Q2-Summarise			
Paper 2 Reading Skills			
Q3-Language analysis			
Paper 2 Reading Skills			
Q4-Comparison			
Paper 2 Writing Skills			
Speeches			
Paper 2 Writing Skills			
Letters			
Paper 2 Writing Skills			
Articles			

English Literature

Торіс	1	2	3
Romeo and Juliet			
Plot			
Romeo and Juliet			
Key characters – traits, key scenes and quotes			
Romeo and Juliet			
Key themes – Conflict			
Romeo and Juliet			
Key themes – Love – romantic, family			
Romeo and Juliet			
Key themes – Youth vs age			
Romeo and Juliet			
Key themes – Fate			
An Inspector Calls			
Plot			
An Inspector Calls			
Key characters – traits, key scenes and quotes			
An Inspector Calls			
Key themes - Responsibility			
An Inspector Calls			
Key themes - Youth vs Age			
An Inspector Calls			
Key themes - Class			
An Inspector Calls			
Key themes - Gender			
An Inspector Calls			
Key themes - Capitalism vs Socialism			
Power and Conflict Poetry			
The general context for each poem			
Power and Conflict Poetry			
How poems are linked by theme			
Power and Conflict Poetry			
3-5 quotes per poem			

<u>Maths</u>

A Mathbying Pecimals. Concerning Functions just a click away Grade 3 Comparing Pecimals	Moths Wotch - Revision lessons just a click away MATHSWATCH COVERS EVERY TOPIC ON THE GCSE SYLLABUS Grades that will be examined: Grades that can be obtained: Higher 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 6 7 8 9 Foundation 1 2 3 4 5 7 Maths Grade 1 to 9 syllabus is split into 5 areas and 246 videos. Mumber - 85 videos Algebra - 64 videos Ratio and Proportion - 23 videos Foundation and Proportion - 23 videos Foundation and Braditistica - 28 videos Foundation and Proportion - 23 videos Foundation and Braditistica - 28 videos Foundation and Proportion - 23 videos Foundation and Proportion - 20 videos Foundation and Proportion
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<u>Science</u>

Mock Priorities: Paper 1

Highlighted are Y9 taught

HT means higher tier

T means triple only

Biology	Chemistry	Physics
 BI Eukaryotes and prokaryotes Cell structure Microscopes required practical (RP) Differentiation Stem cells Cell Cycle Diffusion, Osmosis, Active Transport RP Osmosis Culturing microorganisms (T) 	 CI Atoms, elements, compounds, mixtures Balancing equations Development of the model of the atom Atomic structure Electronic structure Periodic table development Groups 0, 1 & 7 Transition metals (T) 	 PI Energy stores and systems Kinetic energy, EPE, GPE Specific heat capacity RP Specific heat capacity Power Dissipation of energy Efficiency Energy resources <i>RP 2: Insulation (T)</i>
 B2 Organisation Digestive System, Enzymes and Digestive Enzymes RP Food Tests RP Amylase Heart, Blood and Blood vessels Health: cancer, CHD. Plants: tissues, organs, leaf structure, Transpiration 	 C2 Ionic Bonding Ionic compounds Covalent bonding Giant covalent compounds including polymers, diamond and graphite Metallic Bonding States of matter and state symbols Metals and alloys Nanoparticles (T) 	 P2 Circuit symbols Ohms Law Charge RP Resistance of a wire RP IV – and graphs Series & Parallel DC & AC Mains electricity and energy transfers National grid Static electricity (T) Electric fields (T)
 B3 Bacterial, viral, fungal and protist diseases. Human defence Vaccination Antibiotics and painkillers Development of drugs Monoclonal antibodies (T) Plant diseases and defences (T) 	 C3 Conservation of mass Relative formula mass Calculating moles (HT) Avogadro's Constant (HT) Limiting Reactants (HT) Concentration of solutions % yield (T) Atom economy (T) Concentration in mol/dm³ (HT) (T) 	 P3 Density of materials RP Density Changes of state Internal energy Specific latent heat Particle motion in gases Pressure in gases (T) Increasing pressure (T) (HT)

В4	
 Photosynthesis: equation, 	
factors affecting rate	
 RP Light Intensity on pondweed 	
•Uses of glucose	
 Aerobic respiration 	
 Anaerobic Respiration 	
•Metabolism	

<u>History</u>

Торіс	1	2	3
Conflict and Tension 1919 – 1939			
Treaty of Versailles			
League of Nations			
Border disputes			
Invasions of the 1930s			
Hitler's aims			
Road to war			
Germany 1890 – 1945			
Germany under the Kaiser			
Germany after WW1			
Spartacist Uprising			
Kapp Putsch			
Crisis year of 1923			
Stresemann era			
Hitler's consolidation of Power			
Life under the Nazis.			

Geography

Торіс	1	2	3
UK Landscapes (coasts and rivers)			
Weather Hazards and Climate Change			

Global Development		
Coasts Fieldwork		
Human Fieldwork		
Changing Cities		
Ecosystems and Biodiversity		
Resource Management		
UK Challenges		

<u>French</u>

Торіс	1	2	3
Self, family and friends			
Hobbies			
TV, cinema and music			
Technology and social media			
Festivals and celebrations			
Home and area			
Holidays			
Past, present, imperfect, future and conditional tenses			

<u>D&T</u>

Торіс	1	2	3
Identifying requirements			
Existing products			
Implications of wider issues			
New & emerging technologies			
Design solutions			
User centred design			
Drawing methods			
Systems thinking			
Papers & boards			
Timbers			
Metals			
Polymers & Textiles			
Modern & smart materials			
Physical & working properties			
Material finishes			
Lifecycle analysis			
Stock forms & standard components			
Controlled movement			
Electronic systems			
Joining methods CAD / CAM			
Scales of production			

Food & Nutrition

Торіс	1	2	3
Nutritional needs and health		1	1
Macronutrients (protein, fats and carbohydrates) /			
micronutrients (vitamins and minerals)			
Energy Needs			
Healthy Eating/ Government guidelines			
Nutritional Analysis			
Food science			
Cooking of food and heat transfer			
Functional and chemical properties of food (Fats,			
Protein and Carbohydrates)			
Raising Agents			
Food safety	1		
Food spoilage and contamination			
The signs of food spoilage			
Microorganisms in food production			
Bacterial contamination			
Food choice	1	L.	ľ
Factors which influence food choice			
Food choice related to religion, culture, ethical and			
moral beliefs and medical conditions			
Food labelling and marketing influences			

Computer Science

Торіс	1	2	3
Paper 1			
Topic 1: Computational thinking – understanding of			
what algorithms are, what they are used for and			
how they work; ability to follow, amend and write			
algorithms; ability to construct truth tables.			
Topic 2: Data – understanding of binary, data			
representation, data storage and compression.			
Topic 3: Computers – understanding of hardware			
and software components of computer systems and			
characteristics of programming languages.			
Topic 4: Networks – understanding of computer			
networks and network security.			
Topic 5: Issues and impact – awareness of emerging			
trends in computing technologies, and the impact of			
computing on individuals, society and			
the environment, including ethical, legal and			
ownership issues.			
Paper 2 – Coding Paper on computer This paper is your practicing your coding will be the best thing you can determine the best thing you can be be best thing you can be best thing you can be best thing you can be be best thing you can be be be be best thing you can be be be best thing you can be			g paper,
Topic 6: Problem solving with programming. The mair	n focus c	of this pa	per is:
understanding what algorithms are, what they are			
used for and how they work in relation to creating			
programs.			
understanding how to decompose and analyse			
problems.			
ability to read, write, refine and evaluate programs.			

Health and Social Care

Торіс	1	2	3
Factors			
Major Life Events			
Lifestyle Indicators			

<u>Music</u>

Торіс	1	2	3
Rhythm and Metre			
Harmony and Tonality			
Melody			
Texture			
Instrument			
Melodic Dictation			
WCT 1650 – 1910			
Popular Music			
Traditional Music			
WCT 1910 –			

<u>RE</u>

Торіс	1	2	3
Christianity – Beliefs and Practices			
Judaism – Beliefs and Practices			
Themes – Religion and Life			
Themes- Relationships and families			
Themes- Religion Peace and Conflict			

GCSE PE

Торіс	1	2	3
Component 01: Physical factors affecting Performance			
1.1 Applied anatomy and physiology			
1.2 Physical training			
Component 02: Socio-cultural issues and sports psychology			
2.1 Socio-cultural influences			
2.2 Sports psychology			
2.3 Health, fitness and well-being.			

Business Studies

Торіс	1	2	3
Goods & Services			
The role of entrepreneurs			
Sole traders / Partnerships / Private and Public			
limited companies			
Franchise			
Market segmentation			
Market Research			
Revenue, Costs and Profit			
Break even			
Cashflow			
Sources of finance			
Aims and objectives			

General Revision Strategies

- Practice Papers
- Planning Answers
- Timed practice
- Mind-maps
- Flashcards
- GCSE Pod
- Quizzes

Useful Websites

- . GCSE Pod
- . BBC Bitesize
- . YouTube (specific subject content)
- . MathsWatch
- . Internetgeography.net
- . Revisionworld.com
- . Coolgeography.co.uk
- . Portal.focusonsound.com
- . Businessed.co.uk
- . Seneca
- . Timelines TV
- . Brainyquote.com
- . Sentence builders
- . Language-gym.com
- . Tassomai