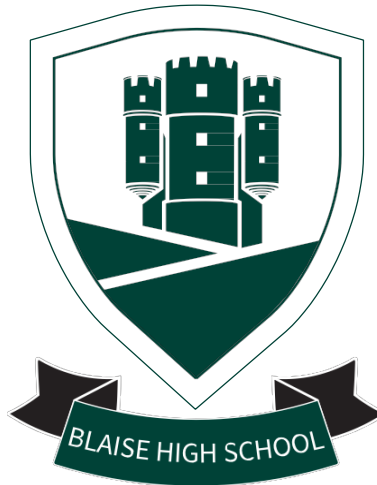




Year 10

January Mock Exam Timetable and Revision Topics



An electronic version of this document can be found here:

<https://www.blaisehighschool.co.uk/students/curriculum/>

Subjects with January Mock Exams
Catering
Combined Science /Triple Science (2 lessons)
Computer Science
Engineering
English
French (2 lessons)
Geography
History
Maths
Sport

Yr 10 January Mock Exams					
Period	Monday 16th	Tuesday 17th	Wednesday 18th	Thursday 19th	Friday 20th
1	10B/Sc	10E/Gg1		10I/En	
	BSS G1	CMH G27		LFC R25	
	10L/Sc	10E/Ee1		10S/En	
	SMS G2	HCA B05		HCC R22	
	10A/Sc	10E/Pg1		10E/En	
	RTS G6	MCP G24		MHC R27	
	10I/Sc				
	NJS G5				
	10S/Sc				
	JWS G7				
2	10I/Ma	10F/Gg1	10E/Hi1	10B/En	
	JBM R01	CFH G21	MRH G25	DAC R27	
	10S/Ma	10F/Hi1		10L/En	
	DTM R03	ZHH G24		CCC R21	
	10E/Ma	10F/Pg1		10A/En	
	MGO G26	JCP B01		DBC R28	
3		10G/Cg1		10F/Ct1	10B/Sc
		MSO G29		JDA B05	BSS G1
		10G/Fr1			10L/Sc
		TEC R21			SMS G2
		10G/Ee1			10A/Sc
		HCA B05			RTS G6
					10I/Sc
					NJS G5
					10S/Sc
					JWS G7
4	10H/Fr1		10H/Hi1		
	JMC R29		MRH G25		
			10H/Fr1		
			JMC R29		
			10H/Gg1		
5			LCH G22		
	10B/Ma		10G/Hi1		
	TLM R05		MSH G26		
	10L/Ma		10G/Fr1		
	CEM R06		TEC R21		
	10A/Ma		10H/Ee1		
	EDO R02		HCA B05		

Catering

Topics tested	Revision reference
AC1.1 Describe the structure of the hospitality and catering industry	Commercial, Non-Commercial, Residential, Non-Residential. https://www.bbc.co.uk/bitesize/guides/zvtx47h/revision/1
AC2.3 Explain how hospitality and catering provision meet customer requirements	Type of Customer Customer needs Customer expectations Customer trends Dietary needs - Health, Choice Special occasions Meeting the needs of the community Type of Service - Conferences, Takeaway https://www.bbc.co.uk/bitesize/guides/zdr8y9q/revision/2 https://www.bbc.co.uk/bitesize/guides/zv8m47h/revision/2
AC3.1 Describe personal safety responsibilities in the workplace	Health & Safety in the kitchen https://www.bbc.co.uk/bitesize/guides/z77v3k7/revision/1
AC3.2 Identify risks to personal safety in hospitality and catering Food Hygiene and safety	Risks: To health & To security Level of risk. Temperatures Food Hygiene https://www.bbc.co.uk/bitesize/guides/zdr8y9q/revision/7
AC4.1 Describe food related causes of ill health	Food Poisoning https://www.bbc.co.uk/bitesize/guides/z77v3k7/revision/2 Intolerances and Allergies https://www.bbc.co.uk/bitesize/guides/zdr8y9q/revision/6
AC4.5 Describe the symptoms of food induced ill health	Symptoms Visible symptoms Signs Non-visible symptoms https://www.nhsinform.scot/illnesses-and-conditions/infections-and-poisoning/food-poisoning
Bread Making	Process of preparing, making and Baking https://www.youtube.com/watch?v=jT4mP4WpxlQ
Methods of Cooking Meat Products	Grilling https://www.bbc.co.uk/bitesize/guides/zdr8y9q/revision/1 Suitability for specific occasions

Combined Science
Physics Paper 1 Foundation (I,S,E)

Topics tested	Revision reference
Circuits	▶ GCSE Physics - Components #18
Nuclear decay equations	▶ GCSE Physics - Nuclear Decay Equations #...
Energy resources	▶ GCSE Physics - Energy Stores, Transferring...
Required practical- specific heat capacity	▶ GCSE Physics - Internal Energy and Specifi...
Energy transfers	▶ GCSE Physics - Conservation of Energy #4

Combined Science
Physics Paper 1 Higher (L,A)

Topics tested	Revision reference
Energy resources	▶ GCSE Physics - Energy Stores, Transferring...
Required practical- specific heat capacity	▶ GCSE Physics - Internal Energy and Specifi...
Energy transfers	▶ GCSE Physics - Conservation of Energy #4
Gas pressure	▶ GCSE Physics - Factors Affecting Gas Press...
Circuits/LEDs	▶ GCSE Physics - Components #18
Nuclear radiation	▶ GCSE Physics - Alpha, Beta and Gamma R...

Triple Science- Physics (B)
Physics Paper 1 Higher (10a1)

Topics tested	Revision reference
Energy demands	▶ GCSE Physics - Introduction to Energy Sou...
Density- required practical	▶ GCSE Physics - Density #26
Efficiency	▶ GCSE Physics - Efficiency #8
Static electricity	▶ GCSE Physics - Static Electricity #23
National grid	▶ GCSE Physics - National Grid #19
Nuclear radiation	▶ GCSE Physics - Alpha, Beta and Gamma R...
Specific latent heat	▶ GCSE Physics - Specific Latent Heat #28
Electrical circuits	▶ GCSE Physics - Series Circuits #16 ▶ GCSE Physics - Parallel Circuits #17 ▶ GCSE Physics - Components #18

Computer Science - Paper 1

Topics tested	Revision reference
The purpose of the CPU	Revision Guide p3
Common CPU components and their function	Revision Guide p3
Von Neumann architecture	Revision Guide p3
How common characteristics of CPUs affect their performance	Revision Guide p3
The purpose and characteristics of embedded systems	Revision Guide p3
The need for primary storage	Revision Guide p4
The purpose of RAM and ROM	Revision Guide p4
Virtual memory	Revision Guide p4
The need for secondary storage	Revision Guide p4
Common types of storage	Revision Guide p4
The characteristics that affect the choice of secondary storage	Revision Guide p4
The units of data storage	Revision Guide p5
How data is converted into binary to be processed	Revision Guide p5
Calculating file sizes	Revision Guide p5
Convert between Denary, Binary and Hexadecimal	Revision Guide p5
Binary shifts	Revision Guide p6
Binary addition	Revision Guide p6
Character sets and the features of each	Revision Guide p6
How images are represented	Revision Guide p6
The effect of colour depth and resolution on image quality and file size	Revision Guide p6
Metadata	Revision Guide p6
Sound - sampling	Revision Guide p7
The effect of sample rate, duration and bit depth on the playback quality and the size of a sound file	Revision Guide p7
The need for and types of compression	Revision Guide p7

Engineering

Topics tested	Revision reference
Engineering drawings - list all elements on a title block.	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
Engineering drawings - identify the different types of lines in a drawing and explain why they are used.	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
Engineering drawings - understand dimensions on a drawing and the system of measurement.	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
Engineering drawings - be able to work out the tolerance in a drawing.	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
Engineering drawings - why is scale applied in a drawing and how is it displayed?	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
The difference between metric and imperial (how to convert).	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
Types of three-dimensional projection (isometric, axonometric and trimetric).	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
Types of two-dimensional projection (first and third angle).	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
The purpose and benefits of the British Standard 8888.	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
What is a freehand sketch?	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing
Why are annotations important in a freehand sketch?	https://docs.google.com/presentation/d/1se4GJI2f4YUDmKZbEuv1uz5dwcDk9rZxkRPQ7HOH4vQ/edit?usp=sharing

English Literature

A 45 minute revision quiz focusing on plot, theme, character and quotations

Topics tested	Revision reference
A Christmas Carol	https://www.bbc.co.uk/bitesize/topics/zwhkxsg
	https://revisionworld.com/a2-level-level-revision/english-literature-gcse-level/christmas-carol-charles-dickens

French

Topics tested	Revision reference
Technology in everyday life	https://www.bbc.co.uk/bitesize/guides/zf8jf4j/revision/1
Media (music, TV & cinema)	https://www.bbc.co.uk/bitesize/guides/zhhvd6f/revision/1
Free time activities & Sport	https://www.bbc.co.uk/bitesize/guides/zbg8t39/revision/1
	Seneca class page fecxtglj6w
	Booklet Theme 1.2 given in class

Geography

45 minute paper on Natural Hazards and Resource Management - Food

Topics tested	Revision reference
Natural Hazards - Tectonics	Seneca using reference d6byge0ata
Natural Hazards - Weather	Seneca using reference d6byge0ata
Resource Management - Food	Seneca using reference d6byge0ata

History

Topics tested	Revision reference
<u>The People's Health 1250 - present</u> 4 time period: • Medieval Britain • Early Modern Britain • Industrial Britain • Britain since 1900 3 issues • Living conditions and impact on health • Attempts to improve public health • Response to epidemics	People's health 100 questions Paper copies in class and on google classroom
	People's Health key knowledge booklet on google classroom
	People's Health example questions on google classroom

Subject Maths (Foundation)

Topics tested	Revision reference
Calculating with roots and powers	U851
Rounding decimals	U298
Using algebraic notation	U613
Solving equations with one step, Mixed numbers and improper fractions	U755,U692
Converting between fractions,decimals and percentages	U888
Finding percentages of amounts without a calculator	U554
Writing probabilities as fractions	U408
Adding and subtracting decimals, Multiply and divide with decimals	U478,U293,U868
Multiplying fractions	U475
Adding and subtracting fractions	U736
Multiplying with mixed numbers	U224
Writing and simplifying ratios	U687
Term to term rules	U213
Writing probabilities as fractions	U408
Estimating and measuring	U102
Drawing and interpreting scale diagrams	M112
Finding the area of triangles	U945
Substituting into algebraic formulae	U585
Constructing and solving equations, Solving direct proportion	U599,U721
Estimating calculations, Finding the area of circles	U225,U950
Expanding single brackets, Solving linear equations with two or more steps	U179,U325
Reading and drawing inequalities on number lines	U509
Percentage change without a calculator	U773
Interpreting scatter graphs	U277
Using lines of best fit	U128
Prime factor decomposition	U739
Using a written method to multiply decimals	U127
Constructing and solving equations, Expanding double brackets	U599,U768
Using Pythagoras theorem in 2D	U385

Subject Maths (Higher)

Topics tested	Revision reference
Interpreting scatter graphs	U277, U128
Prime factor decomposition	U739
Using a written method to multiply decimals	U127
Constructing and solving equations, Expanding double brackets	U599,U768
Using Pythagoras theorem in 2D, Using a written method to multiply decimals	U385,U127
Changing the subjects of formulae, Equations of parallel lines	U556,U377
Calculating the mean	U291
Using standard form with negative indices	U534
Multiplying and dividing numbers in standard form	U264
Finding original values in percentage calculations	U286
Expanding triple brackets	U606
Interpreting graphs of quadratic functions	U667
Indices of the form $1/a$	U985
Indices of the form a/b	U772
Constructing inverse proportion equations	U138, U364
Converting between ratios, fractions and percentages	U176
Estimating calculations, Finding the volumes of cones	U225,U116
Estimating calculations	U225
Writing algebraic proofs	U582
Equations of parallel and perpendicular lines	U898
Solving simultaneous equations involving quadratics	U547
Geometric proofs with congruence and similarity	U887

Sport

Component 1- Task A- Students will be given a scenario question to answer.

Topics tested	Revision reference
Types of sport	Knowledge booklet pages 1, 2
Benefits of taking part	Knowledge booklet pages 1, 2
Characteristics of sectors	Knowledge booklet pages 3, 4, 5, 6
Types of participants	Knowledge booklet pages 7, 8
Barriers to participation	Knowledge booklet pages 9, 10, 11
Advantages and Disadvantages of provisions	Knowledge booklet page 3, 4, 5, 6
Physical activity needs	Knowledge booklet pages 7&8
Methods to overcome barriers	Knowledge booklet pages 12, 13, 14,