Y13 Exam Week – Jan/Feb 2024

Subject	Paper 1	Paper 2
Maths	Pure Maths Paper 1 (2 hours) All Pure Maths from Y12 and Y13	Pure Maths Paper 2 (2 hours) All Pure Maths from Y12 and Y13
Further Maths	Further Pure Maths (1 hour 30 minutes)	Statistics & Mechanics (1 hour 30 minutes)
Biology	Biology paper 1 (2 hours) All Y12 content (Unit 1-4)	Biology paper 2 (2 hours) All Y13 content covered so far (Unit 5-8)
Chemistry	Physical & Inorganic Chemistry (2 hours) • Y12 Physical Topics 1-4 and 6-7 • Y12 Inorganic Topics 8-10 • Y13 Physical Topics 17 and 19-21	Physical & Organic Chemistry (2 hours) • Y12 Physical Topics 2-6 • Y13 Physical Topic 18 • Y12 Organic Topics 11-16 • Y13 Organic Topics 25-29
Physics	Modelling physics (2 hours 15 minutes) Module 1: Development of practical skills in physics Module 2: Foundations in physics Module 3: Forces and motion Module 5: Newtonian world and astrophysics	Exploring physics (2 hours 15 minutes) Module 1: Development of practical skills in physics Module 2: Foundations in physics Module 4: Electrons, waves and photons Module 6: Particles and medical physics
Psychology	Introductory Topics in Psychology (2 hours) Social Influence, Memory, Attachment and Psychopathology	Psychology in context (2 hours) Approaches, Biopsychology and Research Methods
Sociology	Education with Theory and Methods (2 hours) Education, Theory and Research methods, Methods in Context	Topics in Sociology (2 hours) Families and Households and Beliefs in Society
Geography	Physical geography (1 hour 30 minutes) • Glaciated landscape systems • Earths life support systems	Human geography (2 hours) • Changing spaces making places • Disease Dilemmas (including 33-mark essay)
History	Civil Rights in the USA (2 hours 30 minutes) African American and Native American civil rights or Trade Unions (but not Women's rights)	N/A
Politics	Hybrid Paper (2 hours) 1 source question from UK politics, 1 essay question from UK government, 1 core ideologies question (liberalism, socialism and conservatism).	N/A
Economics	Microeconomics (2 hours)	Macroeconomics (2 hours)
Business	Business (2 hours) Paper 1 – Marketing, People and Global Businesses (Theme 1 and Theme 4)	Business (2 hours) Paper 2 – Business Activities, Decisions and Strategy (Theme 2 and Theme 3)
English Language	Paper 2 Language diversity and change (2 hours 30 minutes) Section A Q1 and Q2 a choice of two evaluative statements / Section B Q3 two unseen articles Q4 write an opinion article	N/A

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English Literature	Paper 2B Texts and genres: Elements of political and social protest writing (3 hours) Unseen / A Doll's House / Blake Anthology / Kite Runner	N/A
Film Studies	Component 2 Global Film-making Perspectives: (2 hours 30 minutes) Pan's Labyrinth & City of God / Amy / Sunrise / Pulp Fiction	N/A
Religious Studies	Paper 1- Philosophy of Religion (2 hours) Ancient philosophical influences The Problem of evil Arguments for the existence of God based on observation The nature and attributes of God	Paper 2 – Religion and Ethics (2 hours) Kantian Ethics/Utilitarianism/Natural Law/Situation Ethics Euthanasia Sexual Ethics The nature and role of conscience

Computer Science	Computer Systems (2 hours 30 minutes)
	Component (01)
	1.1 The characteristics of contemporary processors, input, output and storage devices
	1.2 Software and software development
	    1.2.1 Systems software
	    1.2.2 Applications Generation (a)(b)(c)
	    1.2.3 Software development
	    1.2.4 Types of programming language (a)(b)(c)(e)
	1.3 Exchange data
	    1.3.1 Compression, Encryption and Hashing
	    1.3.2 Databases (a)(b)(c)
	    1.3.3 Networks
	    1.3.4 Web Technologies (a)
	1.4 Data types, data structures and algorithms
	1.4.2 Data Structures (a) Arrays (of up to 3 dimensions), records, lists, tuples. (b) The properties of stacks and queues, hash table
	1.4.3 Boolean Algebra
	    (a) Define problems using Boolean logic
	    (b) Manipulate Boolean expressions, including the use of Karnaugh maps to simplify Boolean expressions
	    (c) Use logic gate diagrams and truth tables.
	1.5 Legal, moral, cultural and ethical issues
		Algorithms & Programming (2 hours 30 minutes)
		Component (02)
		2.1 Elements of computational thinking
		2.2 Problem Solving and Programming
		2.1. Algorithms:
		    (a), (b), (c), (d),
		    (e) Algorithms for the main data structures (stacks, queues)
		    (f) Standard algorithms (bubble sort, insertion sort, merge sort, binary search, linear search)

French	Listening, reading and writing (2 hours 30 minutes) All topics at AS and A-level	Writing (2 hours) Two essays based on the film and play/novel

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German	Listening, reading and writing (2 hours 30 minutes) All topics at AS and A-level	Writing (2 hours) Two essays based on the film and play/novel
Spanish	Listening, reading and writing (2 hours 30 minutes) All topics at AS and A-level	Writing (2 hours) Two essays based on the film and play/novel
Design Engineering	Principles of Design Engineering (1 hour 45 minutes) All content will also be placed on Satchel1 Paper 2: • 03 Wider issues (esp. 3.3 and 3.4) • 06 (esp. Structural integrity, data transfer, gearing, electronic inputs/sensors, signal types and conversion (AtoD and DtoA), flowcharts) • 05 Material and component considerations • 07 Processes and techniques Maths: • Volumes of common shapes (equations will be given) • Conversion between units • Graphs and charts	N/A
Product Design	Paper 1: Principles of Product Design (1 hour 30 minutes) The sections to revise for both the Core content and the necessary Mathematics have been made available on Satchel One. The provided links will direct you to the relevant subject matter on the Learning Platform.	N/A
Fashion & Textiles	Technical Principles & Design and making principles (2.5 hours) Combining paper 1 and paper 2 questions. Content from the whole specification, including maths, will be assessed.	N/A
P.E.	Factors affecting participation in physical activity and sport (2 hours) Section A : Applied anatomy and physiology Section B: Skill acquisition Section C: Sport and society	N/A
Music	Appraising Music (2 hours 30 minutes) Section A: Western Classical, Music for Theatre, Art Music Section B: Baroque Solo Concerto, Romantic piano Music Section C: Music for Theatre	N/A