



KIRKHAM GRAMMAR SCHOOL

SUMMER EXAMINATIONS 2023

REVISION TOPIC GUIDANCE

FOURTH YEAR



SUMMER EXAMINATIONS 2023

GUIDANCE FOR FOURTH YEAR PUPILS

Introduction

Examination 'week' will be held this year from Tuesday 6 June – Friday 9 June. It is a four day period* during which the school's normal timetable is suspended in order to allow a series of subject-based summative assessments to take place.

*Exams for Spanish and French will take place on the morning of Monday 12 June.

Examinations in Art and Music will be completed before half-term and will take place during normal lesson time. Most other subjects will set written examinations to be completed during examination week.

In the run-up to the examination period both subject teachers and form tutors will be looking at a range of revision skills which we believe to be important. Subject teachers will also provide, for pupils and parents, a revision-topic list together with any subject-specific examination information.

Periods where options you do not take are examined become revision sessions.

Weather permitting, exam rooms should not be occupied at break or lunchtime during the examination period.

Revision at School during Examination Week:

- If you have a revision session, you must ensure that you have enough work to occupy yourself usefully for the whole of that period.
- You could be revising in a room in which others may be completing an examination so it is most important that you do not disturb them in any way. This means that you must have all the materials at your disposal for an effective session of revision. You are expected to sit still and revise quietly for the duration of each session.

During the Examination Itself:

- Report to your examination/revision room promptly at the beginning of each session. Please do not enter any room until you are invited to do so by a member of staff.

- You may not talk once the invigilator has asked you to be silent until you leave the examination room or until the invigilator declares that the examination has finished.
- You will not be allowed to leave the examination room until the end of the session. If you finish early, you should check carefully through your work, and must obviously remain silent. Under no circumstances should you attempt to distract another candidate.
- If you wish to draw yourself to the attention of the invigilator raise your arm.
- You must not communicate, or attempt to communicate, with another pupil during examinations or whilst papers are being collected. Any candidate found doing this, or detected in any other unfair practice, will be reported to the Senior Deputy Head, and runs the risk of having that paper cancelled, (ie you will get 0%).
- Mobile phones must be switched off and placed out of sight along with Smart watches. All watch alarms must be switched off.

General Issues:

- If you miss an examination due to illness, or for any other reason, see me on your return to school, so that a time can be arranged for you to sit the examination(s) you missed.
- In the event of the fire alarm sounding during an examination, leave everything behind and listen carefully to any instructions the invigilator may give. Walk quickly and quietly to the Quad and line up in Forms. It is essential that you remain silent. When dismissed you should return to the examination room in silence.

D C Parkinson (Mrs)
Senior Deputy Head

April 2023

Internal Examinations 2023: Exam Week Timings

AM registration 8.50 am (usual FT & location)		
Session 1: AM 1	9.05 am – 10.50 am (1 hr 45)	
Exam Timings:		Extra Time:
(1 hr)	9.45 am – 10.45 am	9.30 am – 10.45 am
(1 hr 15)	9.30 am – 10.45 am	9.11 am – 10.45 am
(1 hr 20)	9.25 am – 10.45 am	9.05 am – 10.45 am
Break 10.50 am – 11.10 am		
Session 2: AM 2	11.10 am – 12.55 pm (1 hr 45)	
Exam Timings:		Extra Time:
(1 hr)	11.50 am – 12.50 pm	11.35 am – 12.50 pm
(1 hr 15)	11.35 am – 12.50 pm	11.16 am – 12.50 pm
(1 hr 20)	11.30 am – 12.50 am	11.10 am – 12.50 pm
Lunch 12.55 pm – 2.00 pm		
PM Registration 2.00 pm – 2.05 pm (usual FT & location)		
Session 3: PM	2.10 pm – 4.00 pm (1 hr 50)	
Exam Timings:		Extra Time:
(1 hr)	2.55 pm – 3.55 pm	2.40 pm – 3.55 pm
(1 hr 15)	2.40 pm – 3.55 pm	2.21 pm – 3.55 pm
(1 hr 20)	2.35 pm – 3.55 pm	2.15 pm – 3.55 pm



4th Year Internal Examination Timetable: Summer 2023

	AM (1) 9.05 – 10.50	Break 10.50 - 11.10	AM (2) 11.10 – 12.55	Lunch 12.55 – 2.00	PM 2.10 – 4.00
Tuesday 6 June	English (45 min & 35 min) 9.25 – 10.45		Business Studies (1hr) 11.50-12.50		Maths (2 x 40 min) 2.35-3.55
Wednesday 7 June	RS (1hr) 11.50 – 12.50 Computer Science (1hr 20 min) 9.25 – 10.45		DT (1hr 20 min) 9.25 – 10.45		Physics (1hr 15 min) 2.40 – 3.55
Thursday 8 June	Drama (1hr 20 min) 9.25 – 10.45 Latin (1hr 20 min) 9.25 – 10.45 German (1hr 20 min) 9.25 – 10.45		History (1hr 20 min) 9.25-10.45		Biology (1hr 15 min) 2.40 – 3.55
Friday 9 June	PE (1hr 20 min) 9.25 – 10.45 Music – E9		Geography (1hr 20 min) 9.25-10.45		Chemistry (1hr 15 min) 2.40 – 3.55
Monday 12 June* (Recital Hall)	Spanish (1hr 20 min) 9.10 – 10.30 French (1hr 20 min) 9.10 – 10.30		*Normal timetable resumes today for pupils not studying Spanish or French.		

Notes: Those taking GCSE Music are asked to attend E9 for the AM (1) session on Friday 9 June

KIRKHAM GRAMMAR SCHOOL

FOURTH YEAR EXAMINATION REVISION GUIDE: SUMMER 2023

Subject:	Art	Biology	Business Studies	Chemistry
Examination details	1 examination, 1 hour	Trilogy 1 hour 15 minute examination Separates 1 hour 15 minute examination	1 hour What is assessed: <ul style="list-style-type: none"> • Business in the real world • Influences on business • Business Operations Questions: <ul style="list-style-type: none"> • Section A has multiple choice questions • Section B has one case study/data response stimuli with questions • Section C has one case study/data response stimuli with questions 	Trilogy 1 hour 15 minutes Separates 1 hour 15 minutes
Specialist equipment and materials list.	All provided within the department.	Pencil, ruler, calculator		Calculator required. Provided with data sheet.
Topic list	Pupils will present a conclusion to a set assignment linked to their coursework.	<u>Trilogy</u> <u>Unit 1</u> Cell structure (pages of 2-6) Cell specialisation and differentiation (page 8-11) Microscopy (pages 11-12, 15-17) Cell division (pages 19-21) Stem cells (pages 22-24) Transport in cells (pages 29-37) <u>Unit 2</u> Organisation of living things (page 43) Human digestive system and enzymes (pages 43-50)	3.1 Business in the Real World 3.1.1 Purpose and Nature of business 3.1.2 Business Ownership 3.1.3 Setting Business Aims and Objectives 3.1.4 Stakeholders 3.1.5 Business Location 3.1.6 Business Planning 3.1.7 Expanding a business 3.2 Influences on Business The importance of external	Textbook chapters <u>Trilogy</u> Chapters 9, 10, 11, 12 and 13 Atomic structure and the periodic table Bonding, structure and the properties of matter Quantitative chemistry Chemical changes Energy changes

Subject:	Art (cont)	Biology (cont)	Business Studies (cont)	Chemistry (cont)
		<p>Heart and blood vessels (pages 51-54) Blood (pages 54-56) Health and heart disease (pages 56-57) Effect of lifestyle on non-communicable disease (pages 58-59) Cancer (pages 60-61) Plant tissues, organs and systems (pages 68-73)</p> <p><u>Unit 3</u> Pathogens and disease (pages 85-87) Bacteria, viruses, fungi and protists (pages 79-84) Defence against disease (pages 84-87) Vaccination (pages 87-88) Antibiotics and painkillers (pages 88-90) Discovery and development of drugs (pages 90-91)</p> <p><u>Unit 4</u> Photosynthesis (pages 95-100)</p> <p><u>Separates</u> As above + <u>Unit 1</u> Culturing microbes (page 91)</p>	<p>Influences on business and how businesses change in response to these influences. Pupils need to be aware of the impact influences have on business on the four functional areas:</p> <ul style="list-style-type: none"> • Business operations • Human resources • Marketing • Finance <p>3.2.1 Technology 3.2.2 Ethical and Environmental Influences 3.2.3 The economic climate on business 3.2.4 Globalisation 3.2.5 Legalisation 3.2.6 Competitive Environment</p> <p>3.3 Business Operations Pupils should understand the interdependent nature of business operations, human resources, marketing and finance. Pupils should be able to give examples of how business objectives would be split into functional plans with clear links throughout</p> <p>3.3.1 Production processes 3.3.2 The role of procurement 3.3.3 The concept of quality 3.3.4 Good Customer Service</p>	<p><u>Separates</u> Chapters 1. 2 .3. 4 and 5</p> <p>Atomic structure and the periodic table Bonding, structure and the properties of matter Quantitative chemistry Chemical changes Energy changes</p>
Details of any revision materials given to pupils	The details will be discussed in the period leading up to the exam.			

Subject:	Computer Science	DT	Drama	English Language
Examination details	1 written paper, 1 hour 20 minutes	1 examination, 1 hour 20 minutes	1 hour 20 minutes, 3 sections	1 examination, 45 minutes
Specialist equipment and materials list		Black Pen, Pencil, Ruler, Pencil Eraser, Protractor & Calculator.	Clean copy of Blood Brothers text	
Topic list	Unit 1 1.1 – Systems Architecture 1.2 – Memory & Storage (includes Data Representation) 1.5 – Systems Software 1.6 – Ethics, Law & Morality Unit 2 2.1 – Algorithms 2.3 – Producing Robust Programmes 2.4 – Computational Logic	Topics for Design Technology: <ul style="list-style-type: none"> • Revise class notes • OCR GCSE 9-1 Design Technology Revision Guide • Any further information added to Google Classroom 	<p>Section A: Four multiple choice questions on stage positions, stage types and roles in theatre (4 marks).</p> <p>Section B: (Blood Brothers) Either set, costume, lighting or sound design (4 mark question)</p> <p>Applying vocal and physical skills to a given line (8 mark question)</p> <p>Exploring space and interaction between two characters to communicate the effect given to the audience (12 mark question)</p> <p>Character interpretation from the given extract and the play as a whole (20 mark question)</p> <p>Section C (Live Theatre) Billy Elliot Live - Character focus. Analyse and evaluate 1 or 2 key moments (32 marks)</p>	iGCSE Language Paper 1 Section A Questions 1-4
Details of any revision materials given to pupils	<ul style="list-style-type: none"> • Revision in class • Homeworks on Google Classroom • Workbooks • Computer science tutor videos – links on Google Classroom • Textbook • Quizlet • Various revision booklets on Google Classroom 	Revision checklist and accompanying powerpoint will be issued in class and made available on Google Classroom	<ul style="list-style-type: none"> • Class notes on all 3 sections • Revision material on Google Classroom • Read Blood Brothers text • Watch Billy Elliot Live/focus on your key moments • Revise exam structures • Revise acting skills 	Class notes on anthology prose extracts Class notes on the technique for answering each question (1-5)

Subject:	English Literature	Geography	History	Latin
Examination details	1 examination, 35 minutes	1 examination, 1 hour 20 minutes	1 internal examination, 1 hour 20 minutes	1 written paper, 1 hour 20 minutes
Specialist equipment and materials list		Black pen, pencil, ruler, eraser, compass, protractor and a calculator		
Topic list	Unseen poem	<ul style="list-style-type: none"> • Coastal landscapes in the UK • Glacial landscapes in the UK • Hazards • Urban issues and challenges <p>There will be a general mix of skills and techniques throughout the paper</p>	<p>Medicine through time</p> <ul style="list-style-type: none"> • Ideas about the cause of disease and illness 1250-1500, 1500-1700, 1700-1900, 1900-present • Prevention and treatment (dates as above) • Black Death, William Harvey, Great Plague, Jenner, Cholera in London, Penicillin, Lung Cancer • The British Sector on the Western Front – trenches, conditions, injuries and treatment 	<ul style="list-style-type: none"> • Latin to GCSE chapters 1-7 need to be revised fully. • Relevant sections of Essential GCSE Latin should be used to revise accident. • The revision section at the end of book 1 (pages 216 - 229) will be particularly helpful. • For vocabulary, see the vocabulary lists at the end of each chapter. • PowerPoints used in class are available via the Google Classroom. • Other advice will be provided in class. • Contact Mr Forrest by email (m.forrest@kirkhamgrammar.co.uk) with any questions.
Details of any revision materials given to pupils	Class notes on how to answer an unseen poetry examination question	Topics gone over in class	Pupils can access GCSE revision in their Google Classroom and we will make revision material in class	

Subject:	Maths	Modern Languages	Music	PE
Examination details	2 examinations, 40 minutes each. 1) Non-calculator paper 2) Calculator paper	1 x 1 hour 20 minutes paper Reading, Translation into foreign language, Writing Listening Test (done in class time before exam period)	Practical Solo Performance (will take place during w/c 15/05/23) Exam of an hour	1 examination, 1 hour 20 minutes
Specialist equipment and materials list	Calculator, sharp pencil, ruler, eraser, compass, protractor			Basic stationery and colours
Topic list	Sets 1-4 (Higher Tier) <ul style="list-style-type: none"> • Ratio & Proportion • Direct & Inverse Proportion • Surds • Solving by factorising • Completing the square • The quadratic formula • Metric units • Metric and imperial units • Estimation • Straight line graphs • Gradients • Equation of a line • Parallel and perpendicular lines • Line segments • Histograms • Cumulative frequency • Time series • Scatter graphs • Representation of data • Identities • Proof • Iteration • Simultaneous equations • Sets • Venn diagrams • Unions and intersections 	General revision of all vocabulary and grammar from Modules 1, 2, 3, 4 and 5 for the Reading, Writing and Listening tests.	Listening and Appraising tests will be based upon the work undertaken in class this year on the topics studied: Western Classical Music 1650-1910 Mozart Clarinet Concerto 3 rd Movement Popular Music	Applied Anatomy and Physiology <ul style="list-style-type: none"> • Structure and functions of the skeleton, muscular system and cardio respiratory system • Aerobic and anaerobic exercise Movement Analysis <ul style="list-style-type: none"> • Levers • Basic movements, planes of movement and axes of rotation Physical Training <ul style="list-style-type: none"> • Health and fitness • Components of fitness • Fitness testing • How to measure components of fitness and specific tests • Principles of training • Thresholds of training • Types of training • Preventing injury • Training seasons • Warming up and cooling down

Subject:	Maths (cont)			
	<ul style="list-style-type: none"> • Speed/Distance/time • Density • Pressure • Distance time graphs • Velocity time graphs • Sine and cosine rules • 3D trigonometry • Quadratic graphs • Cubic graphs • Reciprocal and exponential graphs • Solving inequalities • Quadratic inequalities • Graphing inequalities <p><u>Sets 5-6 (Foundation Tier)</u></p> <ul style="list-style-type: none"> • Equivalent fractions • Mixed numbers • Ordering fractions • Adding, subtracting multiplying and dividing fractions • Decimals • Ratio • Sharing in a ratio • Coordinates • Horizontal and vertical graphs • Straight line graphs • Gradients' • Equations of straight lines • Speed, distance and time • Density, mass and volume • Pressure, force and area • Distance time graphs • Compound growth and decay • Factorising into 1 or 2 brackets 			

Subject:	Maths (cont)			
	<ul style="list-style-type: none"> • Reflections • Rotations • Translations • Enlargements • Pythagoras' Theorem • Trigonometry • Area and circumference of circles • Arc length and sector area • Probability • Tree diagrams 			
Details of any revision materials given to pupils	Revision completed in class. Sparx homework and additional questions.			

Subject:	Physics	RPE/RS
Examination details	Trilogy 1 hour 15 minute examination Separates 1 hour 15 minute examination	1 examination, 1 hour
Specialist equipment and materials list	A calculator	Basic stationery – (please ensure that black ink is used)
Topic list	All of the first four sections of the specification: <ul style="list-style-type: none"> • Energy • Electricity • The Particle Model of Matter • Atomic Structure 	<ul style="list-style-type: none"> • Christianity: beliefs and teachings • Christianity Practices • Issues of relationships • Issues of Human Rights
Details of any revision materials given to pupils	Please join Google Classroom code 7xarmop and look at the 'Paper 1 Revision Resources' sections. Here you will find summary notes, past papers and links to revision websites.	Revision completed in class session. Specimen questions issued. Practice questions attempted and model answers analysed.