



Sandringham School

'Everybody can be Somebody'



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Letter No: 58/2022

15th November 2022

Dear Parent/Carer,

Year 13 Trial Exams – Monday 9th January – Friday 20th January

We are writing with some information regarding the upcoming Year 13 Trial Exams which begin in January.

To support students in planning their revision, Directors of Learning have produced revision lists of specific topics, which can be found attached. For each subject, only topics which are identified in these lists will be examined.

During the two-week exam period, students will be on study leave and will only be required to attend school for their examinations. Should students have multiple exams in a day they are welcome to remain on site to revise. Where students only have one examination, they are encouraged to revise at home before and/or after each exam. Students should return to school to resume their normal timetable on **Monday 23rd January**.

Students will receive copies of these revision lists along with their individual examination timetable via their mysandstorm.org email address. Seating for each exam will be released in advance, however, as changes do occur, students are advised to check their dynamic timetables prior to each exam.

If they have any questions or queries relating to their exams, they should speak to their form tutor. Any queries related to individual subjects can be directed to class teachers.

If you have any further questions related to the trial exams, please direct these via email to admin@sandringham.herts.sch.uk

Yours sincerely,

Rachael Potter
Performance Director: Year 13

Thom Leat
Assistant Headteacher



Year 13 - A Level and Vocational Qualifications

Trial Exams: Monday 9th January - Friday 20th January

Subject/Qualification	Topics to revise
Maths A level	<p>Pure Examination:</p> <ul style="list-style-type: none"> Year 12 Pure Textbook : All chapters Year 13 Pure textbook : Chapters 1 (not 1.1), 3, 4, 5, 6, 7, (not 7.7), 9 (not 9.7), 11 (not 11.8), 12. <p>Applied Examination:</p> <ul style="list-style-type: none"> Year 12 Applied Textbook: All chapters Year 13 Applied Textbook: Chapters 2, 3, 4, 5 and 6.
Further Maths A level	<p>Core Pure Paper: Core Pure 1 Textbook :All chapters, Core Pure 2 Textbook: Chapters 1, 2, 3 and 4 (not 4.3, 4.4)</p> <p>Mechanics and Decision Paper: Mechanics: All Chapters, Decision : All Chapters</p>
English Language A level	<p>Paper 1: Section A – Textual Variations and Representations (including language change), Section B – Child Language Development</p> <p>Paper 2: Section A – Q1/2 - Diversity and Change, Section B - Q4 only - Language Discourses</p>
English Literature A level	<p>Paper 1:</p> <ul style="list-style-type: none"> <i>Hamlet</i> - prepare for Part a and Part b response but with no requirement to explore scenes not yet taught. <i>A Doll's House</i> & poetry of Christina Rossetti - full coverage of play and knowledge of all poems required for comparative question. <p>Paper 2:</p> <ul style="list-style-type: none"> Gothic extract - revise Gothic conventions and revisit practice questions <i>Frankenstein</i> & <i>The Bloody Chamber</i> - full coverage of both texts required for comparative question.
Biology A level	Unit 1 Biological molecules, Unit 2 Cells, Unit 3 Organisms exchange substances with their environment, Unit 4 Genetic information, variation and relationships between organisms, Unit 5 Energy transfers in and between organisms, Unit 6 only parts covered so far, Unit 7 Genetics, evolution, populations and ecosystems.
Chemistry A level	1.1 Atomic structure, 1.2 Amount of substance, 1.3 Bonding, 1.4 Energetics, 1.5 Kinetics, 1.6 Equilibria, 1.7 Oxidation, reduction and redox reactions, 1.8 Thermodynamics (A level only), 1.9 Rate equations (A level only) 2.1 Periodicity, 2.2 Group 2 Alkaline Earth metals, 2.3 Group 7 Halogens

	3.1 Introduction to organic chemistry, 3.2 Alkanes, 3.3 Halogenoalkanes, 3.4 Alkenes, 3.5 Alcohols, 3.6 Organic Analysis, 3.7 Optical isomerism (A level only), 3.8 Aldehydes and ketones (A level only), 3.9 Carboxylic acids and derivatives (A level only), 3.16 Chromatography (A level only)
Physics A level	1 Practical skills in Physics, 2 Foundations of Physics, 3 Motion, 4 Forces in Action, 5 Work, Energy and Power, 6 Materials, 7 Newton's Laws and Momentum, 8 Charge and Current, 9 Energy, Power and Resistance, 10 Electrical Circuits, 11 Waves 1, 12 Waves 2, 13 Quantum Physics, 14 Thermal Physics, 15 Ideal Gases. 16 Circular Motion, 17 Oscillations, 18 Gravitational Fields, 19 Stars, 20 Cosmology, 22 Electric Fields, 24 Particle Physics
PE A level	<p>Paper 1:</p> <ul style="list-style-type: none"> Section A: Cardiovascular System, Respiratory System, Neuromuscular System, Musculo-skeletal System and Movement Analysis, Energy Systems Section B: Skill continuums and transfer of skills, Theories of learning, Guidance and Feedback, Memory Models, Information Processing Section C: Pre-Industrial, Industrial and Post-Industrial, Post WWII, Social Action Theory and Equal Opportunities <p>Paper 2:</p> <ul style="list-style-type: none"> Section A: Diet and Nutrition, Preparation and Training Methods, Injury; Biomechanics Section B: Personality, Attitude; Arousal; Anxiety Section C: Physical Activity and Sport, Development of Elite Performers, Ethics in Sport
Dance A level	<p>Revise all content taught in Year 12 and so far in Year 13.</p> <p>Section A: prepare for either option: Rooster short answer and Rambert essay, or vice versa.</p> <ul style="list-style-type: none"> Rooster set work and other works by Bruce Rambert Dance Company - pre 1966, set area of study from 1966-2002; Morrice, Tetley, North, Alston (what we have covered so far) <p>Section B:</p> <ul style="list-style-type: none"> Sutra - Sidi Larbi Cherkaoui, Cherkaoui background, Subject Matter and Themes, all constituent features. Not other works. ICDSIB (2000-present), Origins of ICDSIB and practitioners studied
Drama A Level	<p>Section A - A Servant to Two Masters by Carlo Goldoni</p> <p>Section B - Our Country's Good by Timberlake Wertenbaker</p>
French A level	<p>Paper 1: Units 1-8+10</p> <p>Paper 2: Au revoir les enfants & No et Moi</p> <p>Paper 3: IRP & Units 1-8+10</p>
German A level	Paper 1: Units 1-9

	Paper 2: Goodbye Lenin & Der Vorleser Paper 3: IRP & Units 1-9
Spanish A level	Paper 1: Units 1-11 Paper 2: El Laberinto del fauno Paper 3: IRP & Units 1-11
History A level	Paper 1: Britain Transformed, 1918-1979 Theme 1: Politics, economics, and industrial relations, Theme 2: Health and the welfare state, Thatcher: Impact on the economy and state Paper 2: USA - Conformity and challenge, 1955-1992 Topic 1: Politics, Topic 3: Civil Rights
Politics A level	Paper 1: UK Politics Topic 1: Democracy and participation, Topic 4: Voting behaviour, Political ideology: Liberalism Paper 2: UK Government Topic 1: Constitution Topic 2: Prime Minister (Executive), Political ideology: Feminism
Geography A level	Paper 1: Unit 1: Tectonic Processes and Hazards, Unit 2B: Coastal Landscapes and Change , Unit 5: Water Cycle and Water Insecurity Paper 2: Unit 3: Globalisation, Unit 7: Superpowers, Unit 4A: Regenerating Places
PRE A level	Paper 1 Philosophy: Nature and Attributes of God, Religious Experiences. Ancient Philosophical Influences, Arguments for the existence of God Paper 2 DCT: Knowledge of God's existence, Death and the Afterlife, Gender and Society, Pluralism and Society
Computer Science A level	Revise all content taught in Year 12 and so far in Year 13. Paper 1: 1.1.1 - Structure and function of the processor, 1.1.2 - Types of processor, 1.1.3 - Input, output and storage devices, 1.2.1 - Systems software, 1.2.2 - Applications generation (<i>all but spec points d,e and f</i>), 1.2.3 - Software development, 1.2.4 - Types of programming language, 1.3.3 - Networks, 1.3.4 - Web Technologies, 1.4.1 - Data types, 1.4.2 - Data structures Paper 2: 2.1.1 - Thinking abstractly, 2.1.2 - Thinking ahead, 2.1.3 - Thinking procedurally, 2.1.4 - Thinking ahead, 2.1.5 - Think concurrently, 2.2.1 - Programming techniques, 2.2.2 - Computational methods, 2.3.1 - Algorithms (<i>spec points a and b only</i>)
Fine Art A level	Ensure that your portfolio is up to date as directed by your lead teacher and Google Classroom tasks. Ensure you have all items needed to complete your sustained outcome. Bring all of your sketchbook and portfolio work plus items needed to complete your piece to the practical exam.

Photography A level	Ensure that your portfolio is up to date as directed by your lead teacher and Google Classroom tasks. Ensure you have all items needed to complete your sustained outcome. Bring all of your sketchbook and portfolio work plus items needed to complete your piece to the practical exam.
Music A level	<p>Paper 1: Preparation for solo recital Paper 2: Preparation for composition techniques: Bach chorale/Remix Paper 3: Listening and Appraising</p> <p>Set Works: Bach, Schumann, Elfmann, Hermann, Shankar, Debussy, Beatles, Kate Bush, Saariaho, Vaughan Williams, Courtney Pine, Stravinsky</p>
Music Tech A level	<p>Study 1: Recording and Production techniques for both corrective and creative purposes. Topics: Software and Hardware, Capture of Sounds, Synthesis, Sampling, Sequencing, Audio editing, Pitch and Rhythm correction and manipulation, automation, dynamic processing, stereo, EQ, Effects, Balance and Blend, Mastering</p> <p>Study 2: Principles of audio and sound technology. Topics: Acoustics, Monitor Speakers, Leads and Signals, Digital and Analogue, Numeracy, Levels.</p> <p>Study 3: The development of recording and production technology. Topics: Software and Hardware: Digital, Hardware: Analogue</p> <p>Component 3: Specific Knowledge: Jazz, Blues, Rock 'n' Roll, Rock, Metal, Punk, Soul, Disco and Funk, Reggae, Acoustic and folk, Commercial Pop, Urban, Electronic and dance, Digital audio workstations and emerging technologies (c. 1996-present day), Digital recording and sequencing (c. 1980-present day), Large scale analogue multitrack (c. 1969-1995). Early multitrack recording (c. 1964-69), Direct to tape mono recording (c. 1930-1963)</p>
Product Design A level	<p>Paper 1 Technical principles: Timbers, metal, polymers, card and board - material properties, applications, commercial practice, environmental impact and life cycle assessments; Smart modern and composite materials, uses, properties and impact on the design and development of product; H&S in the workplace; Responsible design - The 6R's, Circular vs Linear economy; Manufacturing methods and production techniques; Questions on the NEA focusing on sections A, B & C.</p> <p>Paper 2 Design considerations and theory: Legislation and its impact on design, Sustainability and responsible design, The work of others - Dieter Rams, the Bauhaus movement, (New Unit 12) - Feasibility studies, enterprise, communicating data and marketing strategies.</p>
Media A level	<p>Paper 1: Messages Sections A & B - revise all Newspapers topics, Advertising, Music Videos and Magazines (<i>The Big Issue</i>).</p> <p>Paper 2: Evolving Media - Section A & B - Revise <i>Radio (Radio One Breakfast Show)</i>, Videogames (<i>Minecraft</i>) and Film (<i>Jungle Book</i>). Section B is LFTD (Long Form Television Drama)</p>

Economics A level	<p>Theme 1: 1.2.How Markets work; 1.3 Market Failure;</p> <p>Theme 2: 2.2 Aggregate Demand, 2.6 Macroeconomic objectives and policies</p> <p>Theme 3: 3.1 Business Growth; 3.3 Costs, Revenue and Profits (including diagrammatic analysis)3.4.4 Oligopoly and 3.4.5 Monopoly</p> <p>Theme 4: 4.1 International Economics, 4.5 Role of the State in the Macroeconomy</p>
Business Studies A level	<p>Theme 1: The whole theme</p> <p>Theme 4: 4.1 Globalisation (whole unit);4.2 Global Competitiveness (whole unit) 4.4.1 The impact of MNCs;</p>
Business BTEC	Unit 2: Developing a Marketing Campaign: All learning aims
Psychology A level	Schizophrenia, Biopsychology, Issues and Debates, Approaches.
Sociology A level	Families and Households Beliefs in Society