

YEAR 12 EXAM PAPERS AND REVISION TOPICS SUMMER 2025

The Year 12 exams will run between 2.6.25 and 13.6.25. These exams will give a good indication of students' current working grades in each subject and will form part of the data used to determine UCAS grades in the Autumn Term of Year 13. Following these exams, students will be given valuable feedback in lessons and areas for development will be highlighted.

Parents of students who are at risk of failing or who are significantly underachieving following these exams, will be invited to a remote 'Emergency Parents' Evening' in July. This evening will allow teachers to give advice and guidance as well as setting any relevant summer work to support students in catching up before the start of Y13.

Please see below for details of papers in each subject, with topics to be revised. This information will also be shared with students via Google Classroom.

Year 12 can be a stressful time for students. If you are experiencing stress please reach out to your tutor or the Sixth Form Team. You are not in this alone; we are all here to help.

Subject	Paper name and length	Topics to revise	Useful links/ advice
Biology	2 x Papers. 1h30 each	Paper 1: Biological molecules, Exchange surfaces, Enzymes, DNA and Protein synthesis, Genetics, Part of Plant Biology Paper 2: Cytology, CVD, Voice of the genome 1 and 2, Part of Biodiversity	Use textbook and specification Links to useful videos on Biology Handbook classroom Seneca learning and www.spolem.co.uk Save my exams website: https://www.savemyexams.co.uk/a-level/biology/edexcel-a-snab/15/revision-notes/ Students should review all other cumulative exams sat and the PLCs completed.

Business Studies	Paper 2 - Managing Business Activities 1hr 30 mins	Paper 2 - Theme 2 topics	Year 12 Business handbook Google Classroom - teacher resources YouTube clips Past Exam papers
Chemistry	2 x Papers. 1h30 each	<p>Paper 1: Advanced Inorganic and Physical Chemistry - <i>Topic 1, Topic 2, Topic 3, Topic 4, Topic 5. Topic 8, Topic 10</i></p> <ul style="list-style-type: none"> • <i>Atomic structure and the Periodic Table 1</i> • <i>Chemical bonding and structure 2</i> • <i>Redox reactions 3</i> • <i>Inions and amount of substance 5organic chemistry and the Periodic Table 4</i> • <i>Formulae equat</i> • <i>Chemical Energetics 8</i> • <i>Chemical Equilibrium 10</i> <p>Paper 2: Advanced Organic and Physical Chemistry - <i>Topic 1, Topic 2, Topic 3, Topic 5, Topic 6, Topic 7, Topic 9</i></p> <ul style="list-style-type: none"> • <i>Atomic structure and the Periodic Table 1</i> • <i>Chemical bonding and structure 2</i> • <i>Redox reactions 3</i> • <i>Formulae equations and amount of substance 5</i> • <i>Organic Chemistry 6</i> • <i>Modern Analytical Techniques 7</i> • <i>Reaction Kinetics 9</i> 	Google classroom exam questions Seneca Physics and Maths Tutor YouTube: Allery Chemistry/ Free Science Lessons A-Level Textbook/ orange workbook
Computer Science	Paper 1: 2 hours	Unit 1- Components of computers Unit 2- Systems Software	Make use of specification: https://www.ocr.org.uk/Images/170844-specification-accredited-a-le

	Paper2: 45mins	Unit 3 - Software development Unit 4 - Exchanging data Unit 5 - Networks and Web technologies Unit 6 - Data types Unit 8 - Boolean algebra Unit 9 - Ethical, legal, moral and environmental issues Unit 10 - Computational Thinking Unit 11 - Programming techniques	vel-gce-computer-science-h446.pdf Practice papers: https://www.ocr.org.uk/qualifications/as-and-a-level/computer-science-h046-h446-from-2015/assessment/ Revision using resources on Google classroom Use RAG sheets during revision
Drama	Component 1: 3 hours	Section A: Theatre through the ages - Antigone Section B: 21 Century texts - Our Country's Good Section C: Live theatre review - Play of your choice	Revise using your notes and the resources on Google classroom Use your PLC to tailor your revision Revision Book for Section A Antigone guide OCG Page to stage OCG Guide By re-watching the play you have chosen for Live Theatre Review
Economics	One customised paper (80 marks) (2 hours)	This paper will be testing micro concepts ONLY. MCQs & Essay type questions <ul style="list-style-type: none"> • Market structures • Market Failure • Elasticity • Production costs and revenue • Theory of firms • Economic efficiency • Behavioural economics 	PLCs Class notes/workbooks and assessments Mid Term Plans on Google Classroom Econplusdal, Tutor2u, TLDR, CNBC & Economicshelp videos
English Literature	Paper One: 1 hour 30	'Hamlet' - tasks a) and b)	Use the Year 12 Revision section of the 'Hamlet' Google Classroom.

	minutes Paper Two: two hours	American Literature: Unseen passage and 'The Great Gatsby'	<p>'The Great Gatsby' and American Literature: Critical Appreciation</p> <p>Google Classrooms are full of useful tasks and links that will help you to develop your skills and knowledge. Identify (and complete) the tasks that will have the most impact on your exam preparation.</p> <p>Use the lectures on Massolit to help you develop deeper insight into the texts and to develop a wide range of critical viewpoints.</p> <p>Complete at least one lecture series for 'Hamlet', 'Gatsby' and at least one other American Literature text eg 'Huckleberry Finn'.</p>
Food Science & Nutrition (Level 3 Applied Certificate/ Diploma)	<p><u>TUESDAY</u> <u>3RD JUNE</u></p> <p>Unit 1 external exam. Meeting Nutritional Needs of Specific Groups 1 Paper - 1 hr 45 mins Unit one external exam set by WJEC</p>	This is an externally set and externally assessed exam which equates to 50% of the Level 3 Certificate grade. The content/topics could be anything from the Unit 1 scheme of learning (Meeting the nutritional needs of specific groups).	Class note folders and the WJEC Level 3 Certificate in Food Science and Nutrition textbook.
Geography	X2 papers 1 hours each Paper 1 and 2 topics	<p>Tectonics Processes</p> <p>Coastal Landscapes and change</p> <p>Globalisation</p> <p>Regenerating Places</p>	<ul style="list-style-type: none"> ● Google Classroom resources ● Book notes from class ● Glossaries for Key words ● Paragraph structure

			<ul style="list-style-type: none"> Understand the command words
German	Paper 1 - 2hrs30 Paper 2 - 1 hour	All topics for Paper 1 Paper 2 (Essay on Film, you will have 2 essays to choose from)	Textbook, google classroom (lessons/revision notes), practice writing on the film
History	Paper 1 (Tudor): 1 hour 30 minutes Paper 2 (USA): 1 hour 30 minutes	Tudor: Henry VII & VIII, Edward VI USA: Truman, Eisenhower & Kennedy	Google classroom revision guides.
Maths	Paper 1 - 2hrs Paper 2 - 1hr 15min	Paper 1 - any AS pure content Paper 2 - any AS applied content See AS specification for more detailed information	Use Google classroom for lesson resources; you can use TL Maths for video resources Online Textbooks: Pearson book and the Kerboodle book Practice Papers given by teachers or on the following websites: Edexcel (any papers from 2021 back) Maths Genie Physics and Maths Tutor
Further Maths	Paper 1 and 2 same as maths	Paper 1 and 2 (see above for maths) Paper 3 - any A2 pure content	See above for maths resources to use

	Paper 3 - 2hrs Paper 4 - 2hrs	<p>Paper 4 - any Further Maths Pure plus A2 applied content</p> <p>See A-level specification for more detailed information for topics for Paper 3 and</p> <p>See Further Maths Specification for more detailed information for Paper 4 topics</p>	
Media Studies	x1 paper Paper 1 2 hours 15 minutes	Component 1 Paper Section A - Music Videos - Formation Unseen Music Video Newspapers Section B - Film Marketing Super.human	Use Google Classroom for all lesson resources. Mrs Fisher's Media Revision Channel https://www.youtube.com/channel/UCUKrxp4BcJrGLzmqAhCjASg Past Papers: https://www.eduqas.co.uk/qualifications/media-studies-as-a-level/#tab_pastpapers
<u>Music</u>	<u>Component 3: Appraising</u>	<ul style="list-style-type: none"> ● AoSD: Jazz (inc Cool Jazz) ● 20th Century Music Wider Listening ● Mendelssohn Mvt 1 and 2 ● Western Classical Tradition (Symphonies) 	The General A Level Music Google Classroom https://alevelmusic.com/ https://portal.focusonsound.com/expired/
PE	Paper 1: Physiology 2 hours	<ul style="list-style-type: none"> ● Skeletal system ● Muscular system ● Cardiovascular system ● Respiratory system 	

	<p>Paper 2: Psychology 1 hour</p> <p>Paper 3: Sociology - 1 hour</p>	<ul style="list-style-type: none"> • Diet, Nutrition and Energy Balance • Ergogenic Aids • Principles of Training and Periodisation • Aerobic Training • Classification of skills • Types and methods of practice • Transfer of skills • Theories of learning (operant/Cognitive/Social) • Attitudes • Arousal • Social Facilitation • Group and Team dynamics • All individual Differences • Feedback Guidance • Pre-Industrial Britain • Post 1850 Britain • 20th Century Britain • 21st Century Britain • Modern Olympic Games • Hosting Global Sporting Events • Ethics and Deviance in Sport 	
Physics	2 x Papers. 1h30 each	<p>Paper 1: Matter and radiation, quarks and leptons, quantum phenomena, electric current, direct current and circuits, alternating current,</p> <p>Paper 2: Forces in equilibrium, on the move, Newton's laws of motion, Force and momentum, work, energy and power and waves.materials.Circular Motion and</p>	<p>A level textbook</p> <p>Physics and maths tutors website</p> <p>Youtube: Physics online</p> <p>https://www.youtube.com/c/PhysicsOnline</p>

		Simple Harmonic Motion	
Politics	UK Politics: 2 hours	The entire UK politics SOW.	A level textbook Pre-chewed politics resources
Product Design	2 x papers Paper 1 - 1h45 Paper 2 - 1h30	Paper 1: Technical Principles <ul style="list-style-type: none"> Polymers and their uses especially in 3D printing [ABS, HIPS etc...] Maths topics as per your textbook - Trig, %, Ratios, Pythagoras, Areas, Volumes Mass and Probability etc. Understand industrial processes used for polymers Know about FEA Timbers and characteristics Critical Assessments Metal finishes Paper and card finishes Protecting designs & intellectual property Modern and industrial scales of practice - scales of production. Paper 2: Design & Make Principles <ul style="list-style-type: none"> Know Rotational, Injection and power coating processes Metal properties Know how to write a Critical Path Network [CPN] Understand Jigs and templates CNC Wasting processes 	Resources - Textbook, Technologystudent.com, bbc bitesize

		<ul style="list-style-type: none"> • Sustainability and environmental impact concerning paper and boards, Polymers and Metals. • Measuring devices and their uses • QC & QA • Ergonomics & Anthropometrics • Designers and Design movements - Modernist Design 	
Psychology	Paper 1 - 2 hours	All topics: Social influence, memory, attachment, psychopathology.	Google classroom (slides, revision notes and past papers), textbook - students will have access to all past paper Qs PLC link. <u>PLC</u>
Spanish	Paper 1 - 2hrs30 Paper 2 - 1 hour	All topics for Paper 1 Paper 2 (Essay on Film, you will have 2 essays to choose from)	Textbook, Knowledge organisers, google classroom (lessons/revision notes), read articles that I posted on google classroom, practice writing on the film
Art	Paper 1 Main Coursework submission	Large Piece No.1 timed conditions. Linked artist research and all prep studies completed in advance.	Exemplar work Google classroom Schedule of work/ diary.