



Academic Provision

September 2021

Jebel Ali School
Sixth Form

Our Curriculum

This handbook sets out to inform and explain the different programs of study, delivery methods and details specific courses and content that we offer at Jebel Ali School Sixth Form. We continue to follow the reputable British curriculum and offer an array of qualifications and a number of pathways that can lead to universities all over the world.

GCE Advanced Level (A-Level)

We offer Advanced Levels (A-Levels) across a wide range of subject areas. Students can select to study up to four different subjects at the beginning of Year 12. Like a GCSE qualification, A-Levels are linear, this means students sit an examination at the end of the two year course. Depending upon the course and its content, examinations can be theoretical or practical.

The advantages of following a linear qualification is that students will receive more purposeful teaching time and will spend the majority of their two year study learning, consolidating and applying newfound knowledge and understanding. A linear qualification lends itself to ongoing revision which embeds knowledge and increases a student's ability to retain and retrieve content when required. Our 'blended learning' method (see page 7 for more information) provides students with unlimited access to revisit and revise content throughout the course. All of the aforementioned is designed to better prepare students, not just in their A-Level examinations, but also as they move into higher education or a career.

Extended Project Qualification (EPQ)

The Extended Project allows learners to study a topic which extends their learning in their area of study, as a standalone qualification. They should select a project topic that is of personal interest, or that is in a related area of study to their accompanying A-Levels. Students will receive essential support to complete this qualification; they are provided with a double-lesson on their timetable (for direct teaching, instruction or independent study) and will also be assigned an EPQ tutor who will advise and guide them throughout.

GCSE English and Mathematics

JAS Sixth Form is committed to ensure that our learners are suitably prepared for higher education, employment and life long after graduation, and so, as per statutory guidelines set out by the UK government, should a student not achieve at least a grade 4 in GCSE English or GCSE Maths they must retake the examination/qualification.

ETHOS Programmes

Qualifications are just part of what universities and employers are looking for, this is why we offer a lot more beside our academic provision. To find out more about our ETHOS programmes (Enrichment, Tutor, Health and Wellbeing, Options and Aspirations, and Skills (Study & Life Skills)) please read our 'Welcome to Jebel Ali School Sixth Form' handbook.

Blended Learning

At JAS Sixth Form our learning and teaching methods bridge the gap between secondary school study and university study, we use a method better known as blended learning. Blended learning is an approach to education that combines online educational materials with traditional classroom methods.

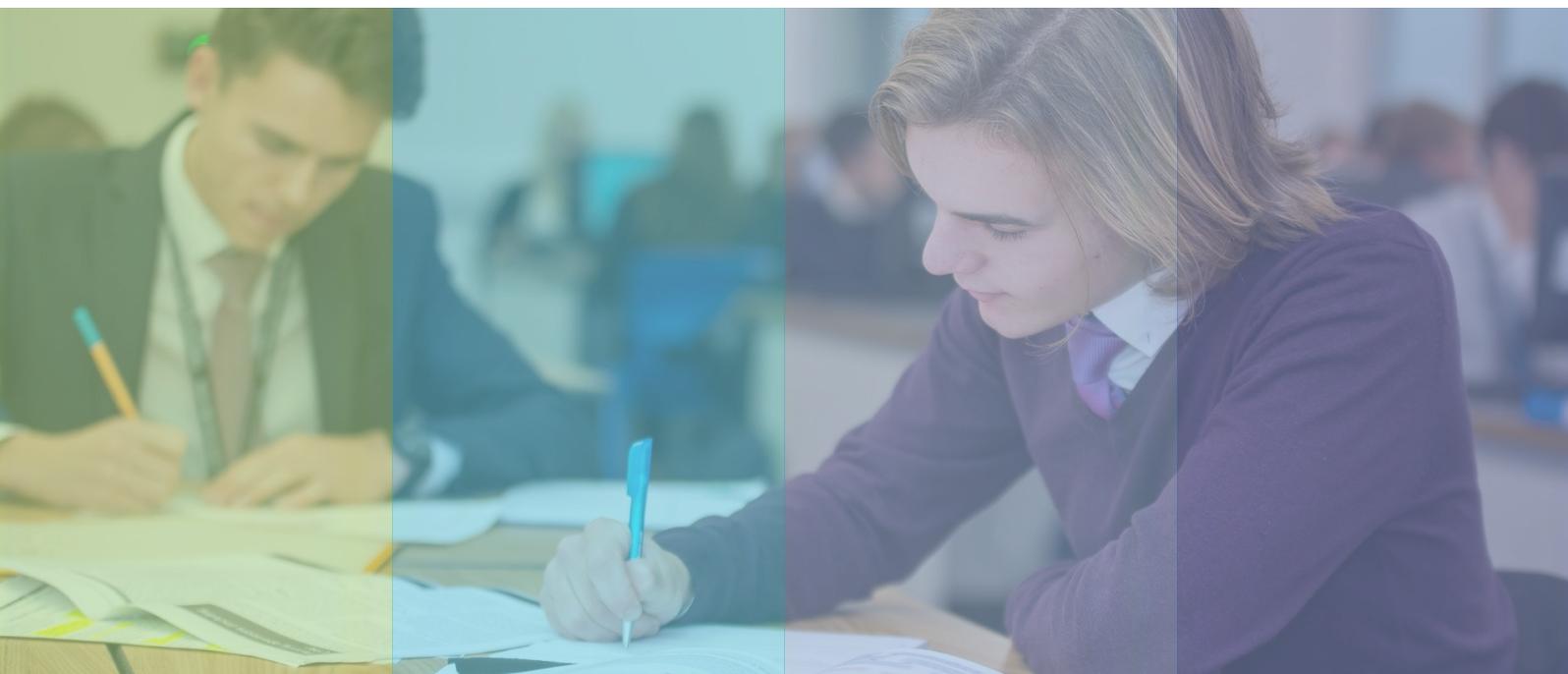
There are many advantages to blended learning:

- **Future-proofing:** It balances lesson time with independent study time. This prepares students to be responsible and productive when granted increased independence at University.
- **Better Engagement:** Students have easy access to course content. This provides students with control over the time and place in which they learn.
- **Self-Paced Learning:** It allows students to learn at a pace which suits them.
- **Deeper Learning:** It allows teachers more time in lessons to explore deeper context and content because students are completing some tasks and assignments outside of the classroom.

How we achieve this:

Our timetable, infrastructure and supporting IT systems and skills, have all been carefully considered to ensure students engage and excel with blended learning.

- Students have 2x double lessons and 1x single lesson per subject, per week.
- Students also have 1x independent study session per subject, per week.
- Teachers have flexibility of when and how content is delivered.
- Students have ownership of how independent study time is used.
- Teachers upload their lesson content on to Google Classroom.
- Students access content, tasks and support via Google Classroom any time, anywhere.
- Students revisit content to complete tasks or prepare for examinations.



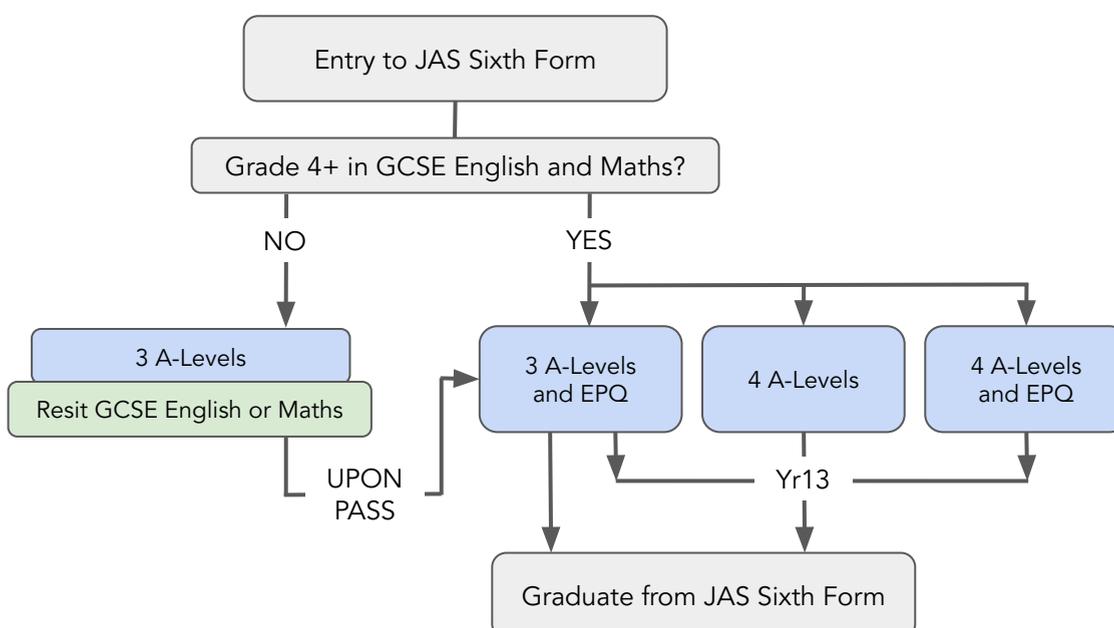
Pathways

Upon applying to join Jebel Ali School Sixth Form, students will be invited to attend a guidance meeting with our Options and Aspirations Advisor. **Guidance meetings provide personalised advice** based on aspirations and students will discover appropriate courses and pathways available to them at JAS.

We know that there is an apparent correlation between a student's passion and their likelihood to succeed, therefore whether attending a guidance meeting or independently perusing our academic provision we advise students to consider, firstly, their **interest and enthusiasm** for the subject; secondly, the potential to **help access university courses**; and, thirdly, to think about their **career aspirations**.

Universities offer their places based on qualifications gained and experiences established. **Our pathways and provision are tailored to a students interests and aspirations.** Our timetable allows us to support all students; those with prestigious university aspirations and those who want to get hands-on work experience.

- Pathway One:** Three A-Level subjects
- Pathway Two:** Three A-Level subjects + GCSE Resit
- Pathway Three:** Three A-Level subjects + EPQ
- Pathway Four:** Four A-Level subjects
- Pathway Five:** Four A-Level subjects + EPQ



Our Timetable

The JAS Sixth Form timetable is pioneering and unique in its offering. While our priority is to ensure that students receive sufficient lesson time and independent study time, our timetable is carefully designed to value and promote the health, wellbeing, interests, aspirations and personal progress of our young people.

We operate a **delayed start time** to the sixth form day at 8:20am, but if you drop siblings off or want to prepare for the day ahead we offer an independent study time between 7:35am and 8:35am and a **breakfast club** from 7:45-8:15am. Research suggests that a delayed start and a healthy breakfast not only improves young adult's concentration and higher-order cognitive skills (judgement, reasoning and problem-solving capabilities) but it also benefits their mental and physical health.

At JAS Sixth Form you have the option to study 3 or 4 A-Levels and/or an EPQ. You are timetabled **two double lessons and one single lesson per subject**, and are allocated **one independent study session per subject**. Double lessons allow for deeper learning and a flexible break is given to students at their teachers discretion.

Students are also timetabled **a weekly tutor session and enrichment session**. Tutor sessions develop essential study skills, offer personalised advice and guidance on Universities and/or employment, and monitor academic and personal progress throughout Year 12 and 13. Enrichment sessions provide students with the opportunity to gain work experience using our business links around Dubai.

Example 3x A-Level Timetable:

	Sunday	Monday	Tuesday	Wednesday	Thursday
7:35-8:35	Optional Study	Optional Study	Optional Study	Optional Study	Optional Study
8:40-10:25		Option 1 (Double)	Option 2 (Double)	Option 3 (Double)	Tutor Time
10:45-10:45	Break	Break	Break	Break	
10:45-12:40	Option 1 (Double)	Option 2 (Double)	Option 3 (Single) Independent Study		Option 3 (Double)
12:40-13:25	Lunch	Lunch	Lunch	Lunch	
13:25-15:20	Extended Project Qualification	Enrichment Session		Option 1 (Single) Independent Study	Option 1 (Single) Independent Study

A-Level Subjects

Our Options and Aspirations Advisor will invite you to attend a guidance meeting/interview and will advise and guide you to select relevant and realistic options. Students are encouraged to pursue their interests and aspirations when selecting their A-Level subjects, but our personalised advice will consider previous achievements and future aspirations.

The following table is a summary of the A-Level subjects offered at Jebel Ali School Sixth Form, please refer to the individual subject pages for more detailed information.

Please know as per government guidelines some subjects will be selected for you:

- KHDA: Students with an Arab passport must continue studying Arabic.
- UK Government: Students who do not achieve at least a grade 4 in GCSE Maths or GCSE English will have to retake the qualification/examination.

A-Level Subjects	Page
Arabic	7
Art and Design	8
Biology	9
Business	10
Chemistry	11
Drama and Theatre	12
Economics	13
English Literature	14
French	15
Geography	16
History	17
Mathematics	18
Further Mathematics	19
Music	20
Physical Education	21
Physics	22
Psychology	23
Spanish	24

****Please note that all courses are subject to a minimum number of students otherwise they will not be able to run.***

If you have any further questions regarding A-Level courses or government guidelines please email us via: sixthform@jebelalischool.org

University Requirements

If you aspire to go to university, be it Oxford in the UK, Stanford in the US or any other around the world, you should be aware of the academic prerequisites (courses and grades) that universities look for in your application. The details below act as a guide and are generalised across multiple universities. However, each university has different requirements that are adjusted annually, please check individual university websites for 'Admission Requirements' or refer to the ['Informed Choices' website](#).

Career/Industry	Related Subjects
Architecture	● Art / Art Portfolio ● Mathematics and Physics
Business/Management	● Mathematics
Computer Science	● Mathematics ● Computer Science
Drama/Performing Arts	● English Literature and Drama/Theatre Studies
Economics	● Mathematics
Engineering	● Mathematics and Physics ● Further Mathematics
Foreign Languages	● Two separate languages
International Relations	● History and English
Journalism	● English ● Psychology
Law	● History
Music	● Music / A minimum Grade 7 in an instrument
Pharmaceutical	● Chemistry and Biology
Physiotherapy	● Biology ● Second Science
Psychology	● Two sciences
Science (Medicine, Dentistry, Veterinary)	● Chemistry and Biology ● Mathematics
Science (Natural)	● Mathematics and two Sciences
Sports Science	● Physical Education ● Biology, Chemistry and Psychology

● = Strongly Advised

● = Advised

A-level Examination Fees

Examination fees are payable upon confirmation of the examinations being taken by the student. Parents will be invoiced by the school with Year 13 Term 3 fees during their son/daughter's final year in KS5. Currently the fees range from **approximately** 350 to 950 dirhams per subject. Variation in the fee structure is dependent on the nature of the A Level course and is controlled by the examining body. Practical subjects that include external moderation are often more expensive. Jebel Ali School commits to working with other Dubai schools to share international moderators and hence try to keep the cost down.

An examination fee invoice can range from approximately 1,500 AED to approximately 3,000 AED depending on the A Level subjects your son/daughter has elected to study.





Academic Courses

**A-Level
Subjects**

Arabic (Edexcel - 1AA0)

Component 1:

During the examination, students are not permitted access to a dictionary or to any documentation related to their research.

- Section A: Translation into English
- Section B: Reading
- Section C: Writing

Component 2:

This paper includes a translation exercise and two essays on either two literary texts or one literary text and one film (students must not answer questions on two films).

- Section A: Translation into Arabic
- Section B: Written response to works
- Section C: Written response to works

Component 3:

This paper includes a listening comprehension and a question that assesses listening, reading and writing skills together.

- Section A: Listening comprehension
- Section B: Listening, reading and writing question

Assessment:

Course Structure	Assessment Type	Weighting
Component 1: Translation into English, reading comprehension and writing (research question) in Arabic	Written Examination: 150 minutes	40%
Component 2: Translation into Arabic and written response to works	Written Examination: 160 minutes	30%
Component 3: Listening, Reading and Writing in Arabic	Written Examination: 135 minutes	30%

Useful Links for Additional Information:

- [Arabic Specification - Edexcel](#)

Learning Arabic will open up a whole world of job opportunities as well as establish a deep connection with cross-cultural friends.

Art & Design (Edexcel - Fine Art 9FAO)

Summary:

A-Level Art and Design is a broad and flexible course.

You will develop skills to enable you to develop, review and refine ideas, analyse contextual and other sources to inform your investigations, explore and select appropriate resources, media, materials, techniques and processes, record your ideas, observation and insights and present personal and meaningful responses.

‘Art is not what you see, but what others see.’

- Edgar Degas

A level Art and design is the right subject for you if you enjoy:

- **Thinking independently and developing, refining and communicating your ideas.**
- **Analysing your own work and the work of others to inform your ideas.**
- **Experimenting and taking risks in order to solve problems.**
- **Producing personal creative outcomes.**

You will explore practical and critical/contextual work through a range of processes and media.

- Through the disciplines of **painting and drawing, printmaking, sculpture, lens-based image making.**

Assessment:

Course Structure	Assessment Type	Weighting
Component 1: Personal Investigation	Internal Assessment: Students will produce a portfolio of practical and written work based on personal starting points.	60%
Component 2: Externally Set Assignment	Internal Assessment: Students will produce preparatory studies and personal outcome(s) based on a theme set by Edexcel.	40%

Useful Links for Additional Information:

- [Art & Design Specification - Edexcel](#)
- [Art & Design Pathways - UCAS](#)

Biology (Edexcel - 9B10)

Summary:

The Biology A Level course will engage and inspire the scientists of the future. Four unifying principles form the foundation of modern biology: cell theory, evolutionary theory, the gene theory and the principle of homeostasis. These four principles are important to each and every field of Biology. The topics that will be studied have been selected to encourage students to develop as scientists, and give them the skills to succeed in their chosen pathway.

“The basic science is not physics or mathematics but biology - the study of life. We must learn to think both logically and bio-logically”

- Edward Abbey

Topics common to both papers

Biological Molecules; Cells, viruses and reproduction of living things; Classification and Biodiversity; Exchange and Transport.

Paper 1 topics:

Energy for Biological Processes; Microbiology and Pathogens and Modern Genetics.

Paper 2 topics:

Origins of genetic variation; Control Systems; Ecosystems

Assessment:

There are three externally assessed examinations at A Level. Students are also required to complete twelve core practicals and these will be internally assessed. Paper 3 examines students on all topics and practical application skills, whereas Papers 1 and 2 focus on specific topics.

Course Structure	Assessment Type	Weighting
Component 1: Paper 1	Written Examination: 105 minutes	30%
Component 2: Paper 2	Written Examination: 105 minutes	30%
Component 3: Paper 3	Written Examination: 150 minutes	40%

Useful Links for Additional Information:

- [Biology Specification - Edexcel](#)
- [Biology Pathways - UCAS](#)

Business (Edexcel - 9BS0)

Summary:

The aims and objectives of the A-Level in Business are to enable students to:

- develop an enthusiasm for studying business
- gain an holistic understanding of business in a range of contexts
- develop a critical understanding of organisations and their ability to meet society's needs and wants
- understand that business behaviour can be studied from a range of perspectives
- generate enterprising and creative approaches to business opportunities, problems and issues
- be aware of the ethical dilemmas and responsibilities faced by organisations and individuals
- acquire a range of relevant business and generic skills, including decision making, problem solving, the challenging of assumptions and critical analysis
- apply numerical skills in a range of business contexts.

Theme 1: Marketing and people

Students will develop an understanding of:

- meeting customer needs
- the market
- marketing mix and strategy
- managing people
- entrepreneurs and leaders.

Theme 2: Managing business activities

Students will develop an understanding of:

- raising finance
- financial planning
- managing finance
- resource management
- external influences.

Theme 3: Business decisions and strategy

Students will develop an understanding of:

- business objectives and strategy
- business growth
- decision-making techniques
- influences on business decisions
- assessing competitiveness
- managing change.

Theme 4: Global business

Students will develop an understanding of:

- globalisation
- global markets and business expansion
- global marketing
- global industries and companies (multinational corporations).

Assessment:

Course Structure	Assessment Type	Weighting
Component 1: Paper 1: Marketing, people and global businesses	Written Examination: 120 minutes	35%
Component 2: Paper 2: Business activities, decisions and strategy	Written Examination: 120 minutes	35%
Component 3: Paper 3: Investigating business in a competitive environment	Written Examination: 120 minutes	30%

Useful Links for Additional Information:

- [Business Specification - Edexcel](#)
- [Business Pathways - UCAS](#)

Chemistry (Edexcel - 9CH0)

Summary:

Chemistry is all around you so studying Chemistry at A Level can teach you about everything. You will study the structure and function of matter and the laws that govern the behaviour of matter when it interacts on a scale from macroscopic to the molecular level. Chemistry teaches experimental and analytical skills and is a great platform to many careers within the sciences, or further afield such as law, business, environment and climate studies, politics, medicine and pharmacology or forensics.

“Chemistry is necessarily an experimental science: its conclusions are drawn from data, and its principles supported by evidence from facts.”

- Michael Faraday

Topics common to both papers

Bonding and structure; Redox I; Formulae, Equations and Amounts of Substance.

Paper 1 topics:

Atomic Structure and the Periodic Table; Inorganic Chemistry and the Periodic Table; Energetics I and II; Equilibrium I and II; Acid-base equilibria; Redox II; Transition metals.

Paper 2 topics:

Organic Chemistry I, II and III; Modern Analytic Techniques I and II; Kinetics I & II.

Assessment:

There are three externally assessed examinations. Students are also required to complete twelve core practicals and these will be internally assessed. Paper 3 examines students on all topics and practical application skills, whereas Papers 1 and 2 focus on specific topics.

Course Structure	Assessment Type	Weighting
Component 1: Paper 1	Written Examination: 105 minutes	30%
Component 2: Paper 2	Written Examination: 105 minutes	30%
Component 3: Paper 3	Written Examination: 150 minutes	40%

Useful Links for Additional Information:

- [Chemistry Specification - Edexcel](#)
- [Chemistry Pathways - UCAS](#)

Drama and Theatre (AQA - 7262)

Summary:

Component 1: Drama and Theatre

Students are assessed on their knowledge and understanding of how drama and theatre is developed and performed. Students will study and analyse two set plays and evaluate the live theatre work of others.

Component 2: Creating Original Drama

Students are practically assessed on their ability to create and develop ideas from a given stimulus, to communicate meaning for performance. The devised piece must be informed by one of the work and methodologies of the prescribed theatre practitioners.

Component 3: Making Theatre

Students are practically assessed on their ability to apply theatrical skills to realise artistic intentions in live performance. For this component students must practically explore (workshop) and interpret three key extracts each from a different play and complete two assessment tasks.

Students may specialise in performing, designing (lighting, sound, set, costume, or puppets), and/or directing.

“Theatre is about challenging how we think and encourages us to envisage a world we aspire to live in.”

Course Structure	Assessment Type	Weighting
Component 1: Drama and Theatre	Written Examination: 180 minutes	40%
Component 2: Creating Original Drama	Internal Assessment: Devising log and devised performance.	30%
Component 3: Making Theatre	Internal Assessment: Performance of Extract 3 and reflective Report	30%

Useful Links for Additional Information:

- [Drama and Theatre Specification - AQA](#)
- [Drama and Theatre Pathways - UCAS](#)

Economics (Edexcel - 9EB0)

Summary:

The aims and objectives of the A-Level in Economics B are to enable students to develop an interest in, and enthusiasm for, the subject and to appreciate the contribution of economics to the understanding of the wider economic and social environment.

Theme 1: Markets, consumer and firms

Students will develop an understanding of:

- scarcity, choice and potential conflicts
- enterprise, business and the economy
- introducing the market
- the role of credit in the economy
- market failure and government intervention
- revenue, costs, profits and cash.

Theme 2: The wider economic environment

Students will develop an understanding of:

- business growth and competitive advantage
- firms, consumers and elasticities of demand
- productive efficiency
- life in a global economy
- the economic cycle
- introduction to macroeconomic policy.

Theme 3: The global economy

Students will develop an understanding of:

- globalisation
- economic factors in business expansion
- impact of globalisation on global companies
- impact of globalisation on local and national economies
- global labour markets
- inequality and redistribution.

Theme 4: Making markets work

Students will develop an understanding of:

- competition and market power
- market power and market failure
- market failure across the economy
- macroeconomic policies and impact on firms and individuals
- risk and the financial sector.

Assessment:

Course Structure	Assessment Type	Weighting
Component 1: Markets and how they work	Written Examination: 120 minutes	35%
Component 2: Competing in the global economy	Written Examination: 120 minutes	35%
Component 3: The economic environment and business	Written Examination: 120 minutes	30%

Useful Links for Additional Information:

- [Economics Specification - Edexcel](#)
- [Economics Pathways - Prospects](#)

English Literature (Edexcel - 9ET0)

Summary: The English Literature A-Level allows students to develop their critical and analytical skills through an exploration of a range of genres, styles and forms of literature from different contexts.

Component 1: Drama

Students will study the genre, Tragedy, through Shakespeare's *Othello* and Tennessee Williams' *A Streetcar Named Desire*. They will explore literary and dramatic devices and how these shape meaning and genre.

Component 2: Prose

Students will study the thematic links between Mary Shelley's *Frankenstein* and Margaret Atwood's *The Handmaid's Tale*, as well as the contexts in which they were written and received.

Component 3: Poetry

For the poetry unit, students will consider the concerns and choices of a modern day poet, through a study of contemporary poetry. They will develop their knowledge of poetic form, content, meaning, style and comparison through an exploration of a named poet from a literary period, such as the Romantic Period.

Component 4: Non-examination unit

Students will produce a comparative essay, exploring connections, interpretations and contexts. Students will be comparing Marjane Satrapi's *Persepolis* with Khaled Hosseini's *A Thousand Splendid Sons*.

“When we read great literature, something changes in us that stays changed. Literature remembered becomes material to think with.”

- D Hall

Course Structure	Assessment Type	Weighting
Component 1: Drama	Written Examination: 135 minutes	30%
Component 2: Prose	Written Examination: 75 minutes	20%
Component 3: Poetry	Written Examination: 135 minutes	30%
Component 4: Non-examination	Coursework essay 2500-3000 words	20%

Useful Links for Additional Information:

- [English Literature Specification - Edexcel](#)
- [English Pathways - UCAS](#)

French (AQA - 7652)

Summary:

The AQA French A-Level has been designed with stimulating content to enable students to develop their linguistic skills alongside their understanding of the culture and society of the countries where French is spoken.

Year 12

Throughout Year 12, students will study:

- Aspects of French speaking society (The changing nature of family, the 'cyber-society' and the place of voluntary work).
- Artistic culture (A culture proud of its heritage, Contemporary Francophone music and cinema (the 7th art).
- One French film.

Year 13

Throughout Year 13, students will study:

- Aspects of French speaking society (Positive features of a diverse society, Life for the marginalised and How criminals are treated).
- Aspects of political life in the French speaking world (Teenagers, the right to vote and political commitment, Demonstrations and strikes, who holds the power and Politics and immigration).
- One French piece of literature .

Assessment:

Course Structure	Assessment Type	Weighting
Paper 1: Listening, Reading & Writing	Written Examination: 150 minutes	50%
Paper 2: Writing	Written Examination: 120 minutes	20%
Paper 3: Speaking	Speaking Examination: 21 - 23 minutes	30%

Useful Links for Additional Information:

- [French Specification - AQA](#)
- [French Pathways - UCAS](#)

Geography (Edexcel - YGE01)

Summary:

The aims and objectives of these qualifications are to enable students to:

- Develop their knowledge of locations, places, processes and environments, at all geographical scales from local to global.
- Develop an in-depth understanding of the selected geographical patterns, processes and issues in physical and human geography at a range of temporal and spatial scales.
- Recognise and be able to analyse the complexity of people–environment interactions at all geographical scales, and appreciate how they underpin understanding of some of the key issues facing the world today.
- Improve their understanding of the ways in which values, attitudes and circumstances have an impact on the relationships between people, place and environment.
- Become confident and competent in selecting, using and evaluating a range of quantitative and qualitative skills and approaches (including observing, collecting and analysing geo-located data) and applying them as an integral part of their studies.
- Understand the fundamental role of fieldwork as a tool to understand and generate new knowledge about the real world.
- Develop as critical and reflective learners, able to articulate opinions, suggest relevant new ideas and provide evidence arguments in a range of situations

Course Structure	Assessment Type	Weighting
Component 1: Global Challenges	Written Examination: 105 minutes	30%
Component 2: Geographical Investigations	Written Examination: 90 minutes	20%
Component 3 Contested Planet	Written Examination: 120 minutes	30%
Component 4 Researching Geography	Written Examination 90 minutes	20%

Useful Links for Additional Information:

- [Geography Specification - Edexcel](#)
- [Geography Pathways - UCAS](#)

History (Edexcel - 4HI1)

Summary:

Component 1: In search of the American Dream: the USA, c1917–96

The focus of study is on developments and changes over a broad timescale and so the content is presented as themes spanning a significant duration: 1917-80. This option also contains a study in depth of historical interpretations on a broad question, which is contextualised by, and runs on from, the themes: what impact the Reagan presidency had on the USA in the years 1981–96.

Component 2: South Africa, 1948– 94: from apartheid state to ‘rainbow nation’

Looking at the creation and consolidation of the apartheid regime by the National Party and the response and methods used by their political opponents in the struggle to overthrow apartheid, as well social, economic and cultural changes that accompanied this process.

India c1914–48: the road to independence

An in-depth understanding of the changing relationship between Britain and India from the outbreak of the First World War to the achievement of independence for the Indian subcontinent.

Component 3: Britain: losing and gaining an empire, 1763–1914

Looking at the development of the British empire and the part played in this by the Royal Navy and merchant marine. Looking at social, economic and political issues

Assessment:

Course Structure	Assessment Type	Weighting
Component 1: Breadth study with interpretations	Written Examination: 135 minutes	30%
Component 2: Depth study	Written Examination: 90 minutes	20%
Component 3: Themes in breadth with aspects in depth	Written Examination: 135 minutes	30%
Component 4: Coursework	Students complete an independently researched enquiry on historical interpretations, e.g. the origins of WW1 or origins of the Cold War.	20%

Useful Links for Additional Information:

- [History Specification - Edexcel](#)
- [History Pathways - UCAS](#)

Mathematics (Edexcel - 9MA0)

Summary:

Pure Mathematics 1 and 2:

- Proof, Algebra and Functions.
- Coordinate Geometry in the (x, y) plane
- Sequences and Series
- Trigonometry
- Exponentials and Logarithms
- Differentiation and Integration
- Numerical Methods and Vectors

Statistics:

- Statistical Sampling.
- Data Presentation and Interpretation
- Probability.
- Statistical Distributions.
- Statistical Hypothesis Testing

Mechanics:

- Quantities and Units in Mechanics.
- Kinematics.
- Forces and Newton's Law.
- Moments

Assessment:

Course Structure	Assessment Type	Weighting
Paper 1: (Pure Mathematics 1)	Written Examination: 120 minutes	33.33%
Paper 2: (Pure Mathematics 2)	Written Examination: 120 minutes	33.33%
Paper 3: (Statistics and Mechanics)	Written Examination: 120 minutes	33.33%

Useful Links for Additional Information:

- [Mathematics Specification - Edexcel](#)
- [Mathematics Pathways - UCAS](#)

This course will help to extend your range of mathematical skills and techniques whilst allowing you to reason logically. Students who complete this course develop a passion and love of Mathematics.

Further Mathematics (Edexcel - 9FM0)

Summary:

Core Pure Mathematics 1 and 2:

- Proof and Complex Numbers
- Matrices
- Further Algebra and Functions
- Further Vectors
- Polar Coordinates
- Hyperbolic Functions and Differential Equations

Further Mathematics Option 1 and Option 2:

Students choose 2 of the following options:

- Further Pure Mathematics 1
- Further Mechanics 1
- Decision Mathematics 1
- Further Statistics 1
- Further Mechanics 2
- Other module options available

Assessment:

Course Structure	Assessment Type	Weighting
Paper 1: (Core Pure Mathematics 1)	Written Examination: 90 minutes	25%
Paper 2: (Core Pure Mathematics 2)	Written Examination: 90 minutes	25%
Paper 3: (Further Mathematics Option 1)	Written Examination: 90 minutes	25%
Paper 4: (Further Mathematics Option 2)	Written Examination: 90 minutes	25%

Useful Links for Additional Information:

- [Further Mathematics Specification - Edexcel](#)
- [Further Mathematics Pathways - UCAS](#)

Music (AQA - 7272)

Component 1: Performance

Solo and/or ensemble performing as an instrumentalist, or vocalist and/or music production (via technology) for minimum of 10 minutes.

Component 2: Composition

Students compose two compositions, of at least four and a half minutes combined duration: one composition to a brief set by AQA and one free choice composition.

Component 3: Appraising

Section A (56 marks): Listening questions based on unfamiliar music. Students will be asked to describe the music they hear and identify key musical features.

Section B (34 marks): Extended response questions based on the key set works. Baroque solo concertos, the operas of Mozart,

Section C (30 marks): Essay response questions based on two of the following areas of study, Pop music, Music for media,, Music for theatre, Jazz, Contemporary traditional music, Art music since 1910.

**Art is how we decorate space.
Music is how we decorate time.**

- Jean Michel Basquiat

Assessment:

Course Structure	Assessment Type	Weighting
Component 1: Performance	Externally Moderated: 10 minute performance	35%
Component 2: Composition	Externally Moderated: 2 compositions	25%
Component 3: Appraising	Written Examination: 150 minutes	40%

Useful Links for Additional Information:

- [Music Specification - AQA](#)
- [Music Pathways - UCAS](#)

Physical Education (AQA - 7582)

Component 1:

Factors affecting participation in physical activity and sport

Section A: Applied anatomy and physiology

Section B: Skill acquisition

Section C: Sport and society

Component 2:

Factors affecting optimal performance in physical activity and sport

Section A: Exercise physiology and biomechanics

Section B: Sport psychology

Section C: Sport and society and technology in sport

Component 3:

Practical performance in physical activity and sport

Students assessed as a performer or coach in the full sided version of one activity.

Students will also be moderated on their written/verbal analysis of performance.

PE will not only offer learning, guidance and advice on how to lead a healthy, active lifestyle but it will also be a great step into sports psychology, physiotherapy, teaching and/or coaching.

Assessment:

Course Structure	Assessment Type	Weighting
Component 1	Written Examination: 120 minutes	35%
Component 2	Written Examination: 120 minutes	35%
Component 3	External Moderation	30%

Useful Links for Additional Information:

- [Physical Education Specification - AQA](#)
- [Physical Education Pathways - UCAS](#)

Physics (Edexcel - 9PH0)

Summary:

The Physics A Level course encompasses the study of the universe from the largest galaxies to the smallest subatomic particles. You will be studying how the laws of energy and matter combine with the fundamental forces of nature. A Physics course will teach you to be a problem solver and a creative and analytical thinker.

Physics can open doors to a variety of careers in areas as wide ranging as astronomy, law, finance, engineering, medicine, journalism, biology or computer science.

Paper 1 topics:

Working as a Physicist; Mechanics; Electric circuits; Further Mechanics; Electric and Magnetic Fields; Nuclear & Particle Physics.

Paper 2 topics:

Working as a Physicist; Materials; Waves and Particle Nature of Light; Thermodynamics; Space; Nuclear Radiation; Gravitational Fields; Oscillations.

Assessment:

There are three externally assessed examinations at A Level. Students are also required to complete twelve core practicals and these will be internally assessed.

Paper 3 examines students on all topics and practical application skills, whereas Papers 1 and 2 focus on specific topics.

“Physics is the science of all the tremendously powerful invisibilities - magnetism, electricity, gravity, light, sound, cosmic rays. Physics is the science of the mysteries of the universe. How could anyone think it dull?”

- Dick Francis

Course Structure	Assessment Type	Weighting
Component 1: Paper 1	Written Examination: 105 minutes	30%
Component 2: Paper 2	Written Examination: 105 minutes	30%
Component 3: Paper 3	Written Examination: 150 minutes	40%

Useful Links for Additional Information:

- [Physics Specification - Edexcel](#)
- [Physics Pathways - UCAS](#)

Psychology (AQA - 7182)

Summary:

Component 1: Introductory Topics in Psychology

There are four compulsory topics covering multiple choice, short open and extended essay questions.

- **Topic 1:** Social Influence
- **Topic 2:** Memory
- **Topic 3:** Attachment
- **Topic 4:** Psychopathology

Component 2: Psychology in Context

There are four compulsory topics covering multiple choice, short open and extended essay questions.

- **Topic 6:** Approaches in Psychology
- **Topic 7:** Biopsychology
- **Topic 8:** Research Methods

Component 3: Issues and Options in Psychology

There are three options sections and one topic from each section must be studied.

- **Option 1:** Relationships/Gender/Cognition and Development
- **Option 2:** Schizophrenia/Eating Behaviour/Stress
- **Option 3:** Aggression/Forensic Psychology/Addiction

Assessment:

Course Structure	Assessment Type	Weighting
Component 1: Paper 1	Written Examination: 120 minutes	33.33%
Component 2: Paper 2	Written Examination: 120 minutes	33.33%
Component 3: Paper 3	Written Examination: 120 minutes	33.33%

Useful Links for Additional Information:

- [Psychology Specification - AQA](#)
- [Psychology Pathways - Prospects](#)

“Studying Psychology will equip you to understand yourself and others better, as well as develop your critical thinking skills. Any career path you could possibly choose to pursue incorporates aspects of Psychology.”

Spanish (AQA - 7692)

Summary:

The AQA A-Level in Spanish has been designed with stimulating content to enable students to develop their linguistic skills alongside their understanding of the culture and society of the countries where Spanish is spoken.

Year 12

Throughout Year 12, students will study:

- Aspects of Hispanic society (Modern & traditional values, cyberspace and equal rights).
- Artistic culture (Modern day idols, Spanish regional identity and cultural heritage).
- One Spanish film.

Learning Spanish will open up a whole world of job opportunities as well as establish a deep connection with cross-cultural friends.

Year 13

Throughout Year 13, students will study:

- Multiculturalism in Hispanic society (Immigration, Racism and Integration).
- Aspects of political life in the Hispanic world (Today's youth - tomorrow's citizens, monarchies & dictatorships and popular movements).
- One Spanish piece of literature.

Assessment:

Course Structure	Assessment Type	Weighting
Paper 1: Listening, Reading & Writing	Written Examination: 150 minutes	50%
Paper 2: Writing	Written Examination: 120 minutes	20%
Paper 3: Speaking	Speaking Examination: 21-23 minutes	30%

Useful Links for Additional Information:

- [Spanish Specification - AQA](#)
- [Spanish Pathways - UCAS](#)



Additional Provision

**Additional
Qualifications**

Extended Project Qualification (EPQ)

Summary

The Extended Project allows learners to study a topic area which extends their learning in their area of study, as a standalone qualification. They should select a project topic that is of personal interest, or that is in a related area of study to their accompanying A-Levels.

Unit Selection

Learners select one of the four units, which may be completed over one or two years:

- **Dissertation:** a theoretical written project on any topic presenting an argument, (eg research into a biological, historical or environmental issue).
- **Investigation/Field Study:** a practical investigatory project involving the collection of data, (eg a scientific investigation, a geographical study of erosion, a biological study of pollution, a statistical survey).
- **Performance:** development of practical skills resulting in a performance, (eg performing music, drama, sport).
- **Artefact:** for example making a painting or sculpture, creating a website, designing a piece of furniture or a garment, solving an engineering/construction problem, producing a piece of graphic design.

Assessment

Learners will be assessed on their ability to plan, manage, complete and review their project:

Assessment Objective	Weighting
Manage: Identify, design, plan and carry out a project, applying a range of skills, strategies and methods to achieve objectives.	17%
Use of resources: Research, critically select, organise and use information, and select and use a range of resources. Analyse data, apply relevantly and demonstrate understanding of any links, connections and complexities of the topic.	22%
Develop and realise: Select and use a range of skills, including, where appropriate, new technologies and problem solving, to take decisions critically and achieve planned outcomes.	44%
Review: Evaluate all aspects of the extended project, including outcomes in relation to stated objectives and own learning and performance. Select and use a range of communication skills and media to present and evidence project outcomes and conclusions in an appropriate format.	17%

Useful Links for Additional Information:

- [EPQ Specification](#)



Additional Provision

**Frequently
Asked Questions**

FAQs

How many subjects can I study?

University entry requirements usually begin with 3 A-Level subjects, but this very much depends on the university that you are applying for. You have the choice at JAS to study 3 or 4 different A-Level subjects and an Extended Project (EPQ). We will offer bespoke advice upon attending your guidance meeting, advice will be based on your previous achievements, your interests and your future aspirations.

Can I study an A-Level subject without studying the GCSE?

If you have studied the GCSE in the subject you will have a greater knowledge and understanding of the A-Level content. However, there are many examples of students who have successfully studied A-Level courses without previously studying the GCSE. Advice and a final decision, will be made upon your guidance meeting/interview.

Are A-Levels a lot harder than GCSEs?

Yes, A-Levels are more challenging than a GCSE. An A-Level will go into more detail and depth over more topic areas. Having said that, there are many similarities with the GCSE qualification; you will study for two years and for most courses you will sit an examination at the end of the course. Given the experience you gain by completing your GCSEs, and with all of the JAS staff who are on hand to offer support and advice along the way, you will be able to complete an A-Level successfully if you work hard throughout.

What are the entry requirements to get on to an A-Level course?

Each A-Level course is different, for example, you would be expected to achieve at least a grade 7 in GCSE Mathematics to study Further Mathematics at A-Level. All subjects have different requirements, you will be informed and advised on appropriate courses within your guidance meeting/interview.

I don't know what I want to do in the future!

It is okay, many students change their aspirations throughout sixth form or even throughout university. Whilst knowing your dream job will motivate you, it is not always detrimental to keep your options open throughout sixth form. We know there is a correlation between a student's passion and the likelihood of success, therefore, in the case where you are unsure of your aspirations, we would always advise you to follow your interests and passions.

I cannot see my preferred subject choice, what should I do?

Email us via; sixthform@jebelalishool.org we will be able to offer you more information and see if your preferred course is available.

If you have any further questions or enquiries please email us on sixthform@jebelalishool.org



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