

AL RABEEH ACADEMY



SIXTH FORM GUIDE BOOK



RESPECT | RESPONSIBILITY | RESILIENCE

WELCOME NOTE

AL RABEEH ACADEMY 2022-2024 SIXTH FORM

Dear Parents and Students,

A warm welcome to you from the students, staff and community of Al Rabeeh Academy. I do hope that the information contained within this Post-16 course choice booklet will help to introduce you to the happy, safe and inclusive community-based environment of our school. Al Rabeeh Sixth Form, which includes Year 12 and Year 13, (16 – 18 years old) focuses on academic achievement and it aims to bring the dreams and aspirations of our students to life, where they begin to see their future evolve. Students build excitement over their journey beyond school becoming fully prepared for further study and the world of work. Students are professionally guided to choosing the pathway and subjects which will open the door to higher education and employment.

The school is delighted to offer a range of pathways for students, from highly academic routes to more traditional opportunities. Having these routes available ensures that Al Rabeeh can support and cater for a broad range of students. Students have the unique opportunity to combine their courses, ensuring all our students are passionate about their chosen pathway and the A Level qualifications that they have chosen.

Advanced level qualifications (known as A Levels) are subject based qualifications that students will study over two years. These are either assessed throughout the two years (modular assessment), some are linear which means they are assessed at the end of the 2-year study.

We are really proud of the design of our Sixth Form curriculum, which meets the needs of all our students and those in other schools who are looking for a broader, unique and more flexible provision. We adopt a truly holistic approach, delivering a range of high quality, cutting edge, internally and externally recognised pathways incorporating the A Level, International A Level, IPQ, and additional internationally recognised qualifications.

In parallel to our academic qualifications, we will deliver enrichment, pastoral and work-related programmes to ensure students are developing the broad range of skills and attributes that future employers and universities highly value. Our holistic programme is broad, including sport, the arts, debate, mentoring and leadership to name just a few. Students will participate in university and careers fairs and build networks with local businesses through our community programmes. The enrichment programme in the Sixth Form is vast and will incorporate accreditations such as the Duke of Edinburgh award, where we see our students lead on expeditions and develop new life skills. Public speaking and debating will be promoted and practiced through our students leading on the student leadership council and speaking at whole school events. Some students will embark on the IPQ qualification in Sixth Form, which will allow students to lead their own learning in preparation for university assignments at undergraduate level.

We are really excited about the success and the experiences that we can offer every young adult at Al Rabeeh Sixth Form and we look forward to celebrating them with you.

Yours sincerely,

Mark McAdam

Head of Secondary School



INTRODUCTION

WHAT IS SIXTH FORM?

AS & A level

A Level have been described as the 'gold standard' of Sixth Form examinations and they are accepted as an entry qualification into all the best universities around the world. A Levels are particularly well suited to students who have particular strengths in two or three areas of the curriculum and wish to study them in greater depth. The A Level is examined at the end of Year 13. The AS level is a standalone qualification taken at the end of Year 12. Most linear A Levels are assessed through 100% examination at the end of Year 13.

International AS & A level

International A Levels are also recognised by all the top universities worldwide. These are 2-year courses with assessment split over 2 years. International A Levels are similar to A Levels but they have a more flexible, modular structure than A Level and the syllabus content is designed to have greater international relevance. Unlike AS Level, International AS Level modules can be retaken to try to improve a student's score. The AS is half the content of the A level and counts towards the final A level result. It is taken at the end of Year 12.

COMPULSORY SUBJECTS

At Al Rabeeh Academy all Sixth Form students will take the following compulsory subjects:

- Physical Education
- Moral Education
- Islamic Studies
- Arabic

Physical Education is extremely important in supporting our students de-stress and ensure that they remain fit and healthy. This will be increasingly important in the Sixth Form, where academic demands on students are far greater than lower down in the school and this mandatory subject will give them an opportunity to manage their stress levels and overall wellbeing.

All students who hold an Arabic passport must study Arabic MOE.

During Moral Education, Arabic MOE and Islamic Studies, students will be studying the Ministry approved curriculum. This is a mandatory requirement from ADEK.

International Award

Not all learning happens in the classroom. Young people need experiences outside the classroom to become committed, responsible and fulfilled citizens of the world.

The Duke of Edinburgh's International Award is the world's leading youth achievement award. It equips young people for life regardless of their background, culture, physical ability, skills and interests. Doing the Award is a personal challenge and not a competition against others; it pushes young people to their personal limits and recognises their achievements. For this reason, it is highly regarded by universities.

Sports Leader Award

The Sports Leader Awards is a Level 3 Certificate in Leadership and Sports Management and a recognised qualification. It helps students develop independent leadership skills through sports and physical activities.

Students will be encouraged and given an opportunity to study and complete some additional external qualifications that will further help develop their skills, character and application process for further education.

IELTS

Depending on multiple factors including country of origin, secondary schooling, language skills, and desired university, students may need to provide an IELTS score to universities to ensure their English language skills are adequate for accessing degree course. This course lays a solid foundation to prepare for IELTS testing.



OPTIONAL SUBJECTS

Depending on students GCSE results, students will study 2 or 3 International A Levels to begin in Year 12. Some students will choose to only continue 2 subjects on to Year 13, while other students will continue with 3 A Levels. The suitability of both options and further guidance about choices will be provided by the Sixth Form team during open evenings.

Students will follow personalised pathways, based on their individual passions and career choices. Careers guidance will be available in school for all students during this time. At Al Rabeeh Academy, we endeavour to provide students with opportunities to follow their passions outside the classroom as well as within it. We place a strong emphasis on developing leaders and encourage students to develop these skills.

Community Service

All ARA Sixth Form Students are required to complete a minimum of 150 hours of community service to support future applications. This may be helping out with younger students, supervising during breaks or being involved in the outdoor projects around the school. This helps students develop a wider set of skills and will support them in their applications to university or the workplace after Al Rabeeh Academy.

Careers Guidance

Personalised careers guidance will be available to all Sixth Form students to help them make the right individual choices for them and ensure they are prepared for life beyond Sixth Form. As a school, we will be using 'Unifrog'. Unifrog is the complete destinations platform – a one-stop-shop for students across KS4 and KS5 regardless of their interests or academic ability. Students can explore how interests lead to different education and training pathways. Students can compare every US university, every university course in the UK, every undergraduate program taught in English in Europe, as well as opportunities in Canada, Australia and New Zealand. This platform is also one place to collaboratively draft all the materials needed for applications.

Other Information

Sixth Form Students will have their own private study area. They will also have non-contact time to help support students' transition to university. Students are expected to use this time for private study to support their development towards university.

There will be an expectation that students act professionally at all times. This will be reflected with the Uniform in our Sixth Form.

OPTION CHOICES

See attached option choice form.

ENTRY PROCESS

Entry to Sixth Form is conditional to meeting the following prerequisites:

- The minimum requirement of 5 GCSEs at Grade 4/5 or above, with grade 6 minimum in chosen A Level courses
- There are specific subjects studied at AS and A level that will require higher GCSE grades (please see each supplement for further information).
- Individual subject requirements as per the course choice information (see attached supplements)
- Completion of a CAT4 assessment with A-Level predicted grades being considered by the Sixth Form Team
- Successful interview with the Sixth Form team
- Reports for the past 2 years from previous schools (external candidates)

All applications to Sixth Form will be reviewed and a conditional offer may be made subject to the information above. The condition will be based on GCSE results. A Sign-Up day will be held in August, prior to the start of term and after GCSE results are released. Students who do not meet the minimum requirements will be dealt with on an individual basis, with predicted grades and attitude to learning taken into account.

Students applying to Al Rabeeh Academy Sixth Form from curriculums other than the National Curriculum of England are welcome to apply and offers will be made based on the curricula studied. They will still be required to meet the above prerequisites.

AL RABEEH ACADEMY 2021-2023 A-LEVEL CURRICULUM OPTION CHOICES

Compulsory Subjects			Options	
Physical Education	Islamic / Enrichment	Moral Education	Chemistry	Physics
			Business Studies	Information Technology
			English Language	Psychology
			Arabic A	History
			Mathematics	Biology

- Students will choose a combination of 2 or 3 A level subjects for Year 12 and entry to Year 13 will depend on results in Year 12
- There will also be an opportunity to study the IPQ (Individual Project Qualification)
- All students will take Physical Education and Moral Education as compulsory subjects
- Muslim students will take Islamic Studies as a compulsory subject
- Students holding Arabic passports must study Arabic (MOE)
- Applications to Sixth Form will be reviewed and a conditional offer may be made subject to interviews
- Courses will only be run where there is sufficient student uptake, so a reserve option is needed
- The courses choice structure may be subject to change at any time – full information will be given about this
- The final decision for acceptance onto an A Level course is at the discretion of the school management

EXAMINATION FEES AND PAYMENT

Our school will be an independent examination centre for the British examination boards of Edexcel, AQA, and Oxford AQA. We must follow the examination board regulations which will require our students to follow the Monday to Friday schedule and timings, even if this falls during Ramadan.

Our Sixth Form pupils will be entered for course examinations over the 2-year period. Families are expected to meet the costs of all examinations. Examination costs are published in September of the new academic year following release by the respective examination boards. All fees will be collected by our school cashier before students are entered for any examinations.

CURRICULUM OFFER SEPTEMBER 2022

A Level – GCE	Supplement
BIOLOGY IAS/IAL	1
BUSINESS IAS/IAL	2
CHEMISTRY IAS/IAL	3
ENGLISH LANGUAGE IAS/IAL	4
HISTORY IAS/IAL	5
INFORMATION TECHNOLOGY IAS/IAL	6
MATHEMATICS IAS/IAL	7
PHYSICS IAS/IAL	8
PSYCHOLOGY IAS/IAL	9

Availability of A level subjects is dependent on sufficient demand.

Please note that exam boards are reviewed at the end of every academic year as part of our quality assurance process and may be subject to change.

BIOLOGY IAS/IAL

EDEXCEL XBI11/YBI11

SUPPLEMENT 1

COURSE DESCRIPTION

The International Advanced Level consists of the three IAS units (Units 1, 2 and 3) plus three IA2 units (Units 4, 5 and 6). Students wishing to take the International Advanced Level must, therefore, complete all 6 units.

Year 12	Year 13
Unit 1: Molecules, Diet, Transport and Health Unit 2: Cells, Development, Biodiversity and Conservation Unit 3: Practical Skills in Biology I	Unit 4: Energy, Environment, Microbiology and Immunity Unit 5: Respiration, Internal Environment, Coordination and Gene Technology Unit 6: Practical Skills in Biology II

HOW WILL THE COURSE BE ASSESSED?

Unit	Weighting (AS/A2)	Assessment	Assessed Content
IAS Unit 1	Weighting (AS/A2) 40% of the total IAS 20% of the total IAL	Written examination: 80 marks	Membranes, Proteins, DNA and Gene Expression
IAS Unit 2	40% of the total IAS 20% of the total IAL	Written examination: 80 marks	Plant Structure and Function, Biodiversity and Conservation
IAS Unit 3: Practical Skills in Biology I	20% of the total IAS 10% of the total IAL	Written examination: 50 marks	This unit will assess students' knowledge and understanding of experimental procedures and techniques that were developed in Units 1 and 2.
IA2 Unit 4	40% of the total IA2 20% of the total IAL	Written examination: 90 marks	Microbiology, Immunity and Forensics
IA2 Unit 5	40% of the total IA2 20% of the total IAL	Written examination: 90 marks	Coordination, Response and Gene Technology
IA2 Unit 6	20% of the total IA2 10% of the total IAL	Written examination: 50 marks	This unit will assess students' knowledge and understanding of the experimental procedures and techniques that were developed in Units 1, 2, 4 and 5.

Further Opportunities

Following on from A-Level biology, students could go on to study at University and may venture into medicine or follow a career in Pharmacy, Veterinary Science or Dentistry.

Prerequisites

Students will only be accepted into further Biology study if they have secured a grade 6 in their GCSE Science examination and have achieved at least 4 other (I)GCSEs at grade 4 or above including English and Mathematics.

Considerations can be done. Contact Mrs. Houda Ismail, Head of Science for further details at houda.ismail@alrabeehacademy.ae.

BUSINESS IAS/IAL

Pearson Course Code

SUPPLEMENT 2

COURSE DESCRIPTION

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

- Develop an enthusiasm for studying business
- Gain a 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

HOW WILL THE COURSE BE ASSESSED?

Unit	Weighting	Assessment	Content
Unit 1: Marketing and people	50% of IAS 25% total IAL	Externally Assessed Written Exam: 2 hours 80 Marks	<ul style="list-style-type: none"> • Meeting customer needs • The market • Marketing mix and strategy • Managing people • Entrepreneurs and leaders
Unit 2: Managing business activities	50% of IAS 25% total IAL	Externally assessed Written Exam: 2 hours 80 Marks	<ul style="list-style-type: none"> • Planning a business and raising finance • Financial planning • Managing finance • Resource management • External influences
Unit 3: Business decisions and strategy	50% of IA2 25% total IAL	Externally assessed Written Exam: 2 hours 80 Marks	<ul style="list-style-type: none"> • Business objectives and strategy • Business growth • Decision-making techniques • Influences on business decisions • Assessing competitiveness • Managing change
Unit 4: Global business	50% of IA2 25% total IAL	Externally assessed Written Exam: 2 hours 80 Marks	<ul style="list-style-type: none"> • Globalisation • Global markets and business expansion • Global marketing • Global industries and companies (multinational corporations)

Further Opportunities

Students could study International Business and related functional disciplines (such as Marketing, Operations Management and Human Resource Management) at University. This provides students with an opportunity to gain a solid understanding of key principles and practices of global business that best suit their career aspirations.

Prerequisites

Grade 5 or higher at GCSE English **and** GCSE Mathematics and at least 3 other (I)GCSEs at grade 4 or above.

CHEMISTRY IAS/IAL

EDEXCEL

SUPPLEMENT 3

COURSE DESCRIPTION

Year 12	Year 13
Unit 1: Structure, Bonding and Introduction to Organic Chemistry Unit 2: Energetics, Group Chemistry, Halogenoalkanes and Alcohols Unit 3: Practical Skills in Chemistry I	Unit 4: Rates, Equilibria and Further Organic Chemistry Unit 5: Transition Metals and Organic Nitrogen Chemistry Unit 6: Practical Skills in Chemistry II

HOW WILL THE COURSE BE ASSESSED?

Unit	Weighting (AS/A2)	Assessment	Assessed Content
IAS Unit 1	40% of the total IAS 20% of the total IAL	Written examination: 80 marks	<ul style="list-style-type: none"> Atomic Structure and the Periodic Table Bonding and Structure Introductory Organic Chemistry and Alkanes Alkenes Formulae, Equations and Amount of Substance
IAS Unit 2	40% of the total IAS 20% of the total IAL	Written examination: 80 marks	<ul style="list-style-type: none"> Energetics Intermolecular Forces Redox Chemistry and Groups 1, 2 and 7 Introduction to Kinetics and Equilibria Organic Chemistry: Alcohols, Halogenoalkanes and Spectra
IAS Unit 3: Practical Skills	20% of the total IAS 10% of the total IAL	Written examination: 50 marks	This unit will assess students' knowledge and understanding of experimental procedures and techniques that were developed in Units 1 and 2.
IA2 Unit 4	40% of the total IA2 20% of the total IAL	Written examination: 90 marks	<ul style="list-style-type: none"> Kinetics Entropy and Energetics Chemical Equilibria Acid-base Equilibria Organic Chemistry: Carbonyls, Carboxylic Acids and Chirality
IA2 Unit 5	40% of the total IA2 20% of the total IAL	Written examination: 90 marks	<ul style="list-style-type: none"> Redox Equilibria Transition Metals and their Chemistry Organic Chemistry: Arenes Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins Organic Synthesis
IA2 Unit 6	20% of the total IA2 10% of the total IAL	Written examination: 50 marks	This unit will assess students' knowledge and understanding of the experimental procedures and techniques that were developed in Units 1, 2, 4 and 5.

Prerequisites

Students will only be accepted into further Chemistry study if they have secured a grade 7 in their GCSE Science examination and have achieved at least 4 other (I)GCSEs at grade 4 or above including English and Mathematics.

Considerations can be done. Contact Head of Science for further details, houda.ismail@alrabeehacademy.ae.

ENGLISH LANGUAGE IAS/IAL

Edexcel International Advanced Subsidiary in English Language (XEN01)

Edexcel International Advanced Level in English Language (YEN01)

SUPPLEMENT 4

COURSE DESCRIPTION

The course is varied and exciting, covering a broad range of reading material. The course will prepare students well for English and many different degree subjects at university and the world of work beyond Al Rabeeh Academy.

This is a two-year modular qualification. In the first year of the course students will complete and be examined on two modules leading to the International Advanced Subsidiary (IAS) award in English Language. In the second year of the course students will complete their A2 modules leading to the full International Advanced Level (IAL) award in English Language.

As well as complimenting students' analytical skills, their sensitivity to language, comprehension of literary terminology and awareness of social, historical and cultural contexts, the course will help students to build up key generic skills that they can apply to their work and studies beyond the A Level course. These include:

- Developing their cognitive skills in problem solving and critical thinking
- Broadening their communicative skills
- Learning to work independently and become more adaptable in different communication styles and in the information they need to work with and produce

HOW WILL THE COURSE BE ASSESSED?

Unit	Weighting	Assessment	Content
IAS Unit 1: Language: Context and identity	50% of the total IAS 25% of the total IAL	Exam of 1 hour and 45 minutes	Students will study: <ul style="list-style-type: none"> • the range of contexts in which language is produced and received • how the contexts of production and reception affect language choices • how writers/speakers present themselves to their audience in a variety of modes • how writers/speakers choose language to reflect and construct their identity or identities • how writers create texts for different forms, purposes, audiences, and contexts
IAS Unit 2: Language in Transition	50% of the total IAS 25% of the total IAL	Exam of 1 hour and 45 minutes	Students will study: <ul style="list-style-type: none"> • the influence of other languages on the development of English • pidgins and creoles • the development of English outside the British Isles. • Students will explore the ways in which languages change, with a focus on English in a global context.
IA2 Unit 3: Crafting Language (writing)	25% of the total IAL	Exam of 2 hours	Students will study: <ul style="list-style-type: none"> • study a range of specified writing genres and appropriate style models demonstrate their skills as writers in re-creating texts for different context, purpose and audience.
IAL Unit 4: Investigating Language	25% of the total IAL	Exam of 2 hours	Students will select one research focus from four topic areas: <ul style="list-style-type: none"> • Contemporary Global English • Children's Language Development • Language and Power • Language and Technology Students will: <ul style="list-style-type: none"> • develop their research and investigation skills • undertake a focused investigation of their selected topic • apply their knowledge of language levels and key language concepts developed through the whole course develop a personal language specialism

Further Opportunities

International Advanced Level qualifications enable successful progression to undergraduate courses worldwide.

HISTORY IAS/IAL

EDEXCEL IAS XH101 /IAL YH101

SUPPLEMENT 5

COURSE DESCRIPTION

Up to date, engaging and relevant to an international audience developing students' understanding of the nature of historical studies. These qualifications approach focuses on depth, breadth and interpretation of event in history.

In the focus on depth, students will look at the history of one country in detail over a short period of time; in the breadth approach, students will study the history of one country through four key topic areas over an extended time scale and for the interpretations of event in history, students will look at development of international relations over a broad historical period.

HOW WILL THE COURSE BE ASSESSED?

Unit	Weighting	Assessment	Content
Unit 1: Depth Study with Interpretations	50% of the total IAS 25% of the total IAL	2 hrs	Russia in Revolution, 1881–1917
Unit 2: Breadth Study with Source Evaluation	50% of the total IAS 25% of the total IAL	2 hrs	South Africa, 1948–2014
Unit 3: Thematic Study with Source Evaluation	25% of the total IAL	2 hrs	Civil Rights and Race Relations in the USA, 1865–2009
Unit 4: International Study with Historical Interpretations	25% of the total IAL	2 hrs	The World Divided: Superpower Relations, 1943–1990

Further Opportunities

Law, Academic Librarian, Archaeologist, Broadcast Journalist, Civil Service Administrator, Editorial Assistant, Human Resources Officer, Information Officer, Marketing Executive

INFORMATION TECHNOLOGY IAS /IAL

Pearson Edexcel XIT11 YIT11

SUPPLEMENT 6

COURSE DESCRIPTION

The content is relevant for learners who want to study this subject at a higher level. The qualifications include a variety of topics, including IT systems, coding for the web and relational databases.

ASSESSMENT

At AS Level, assessment consists of two externally-assessed written papers. The A Level consists of two further externally-assessed written papers. In each qualification the second paper requires students to carry out activities using a computer.

AIMS AND OBJECTIVES

The aims and objectives of these qualifications are to enable students to develop: essential knowledge and understanding of different areas of the subject and how they relate to each other, competence and confidence in developing practical skills, such as developing coding for the web and relational databases, their interest in and enthusiasm for the subject, including developing an interest in further study and careers associated with the subject.

HOW WILL THE COURSE BE ASSESSED?

Unit	Weighting	Assessment	Content
IAS Unit 1	50% of IAS Level 25% of total IAL	2 hours externally assessed written paper 80 Marks The examination paper may include multiple-choice, short-open, open-response and extended-writing questions.	Topic 1: Hardware and software Topic 2: Networks Topic 3: The online environment Topic 4: IT systems Topic 5: Data and databases Topic 6: Wider issues.
IAS Unit 2	50% of IAS Level 25% of total IAL	Externally assessed Written examination: 3 hours 80 mark Students are assessed through a 3-hour examination, including practical and theoretical questions, set and marked externally Each student will need to access a computer during the examination.	Topic 7: Understanding the functionality of HTML Topic 8: Understanding the functionality of CSS Topic 9: Understanding the functions of Javascript Topic 10: Designing web pages Topic 11: The semantic web
IA2 Unit 3	50% of IA2 Level 25% of total IAL	Written examination: 2 hours Externally Assessed 80 Marks	Topic 12: Manipulating data Topic 13: Enabling technologies Topic 14: Using IT systems in organisations Topic 15: Systems development Topic 16: Emerging technologies
IA2	50% of IA2 Level 25% of total IAL	Externally assessed practical examination Written examination: 3 hours 80 Marks Each student will need to access a computer during the examination.	Topic 17: Use of features of database solutions Topic 18: Relational database concepts Topic 19: Database solutions

Further Opportunities

ICT is great at helping you build project management and numeracy skills, and it will also encourage you to think logically in order to solve problems. You could go on to study Computing or ICT Systems Development at University where you will learn skills that are required in the workplace.

Prerequisites

GCSE ICT/Computer Science at grade 5 or above and at least 4 other (I)GCSEs at grade 4 or above including English and Mathematics.

MATHEMATICS IAS /IAL

Course Codes IAS and IAL: (XMA11 and YMA11)

SUPPLEMENT 7

COURSE DESCRIPTION

Unitised structure with all units equally weighted, allowing many different combinations of units and greater flexibility. The three exam series per year means students can sit unit exams when they are ready.

Clear and straightforward question papers – the question papers are clear and accessible for students. Broad and deep development of learners’ skills – to develop their understanding of mathematics and mathematical processes in a way that promotes confidence and fosters enjoyment.

Students will complete P1, P2 and M1 in their first year of study - this completes the IAS level qualification. Students then progress on to P3, P4 and S1 in their second year of study - this completes the IAL level qualification. Calculators may be used in the examinations.

As a school we will be following the Pearson Edexcel Examination Board which can be found on the link below.
<https://qualifications.pearson.com/content/dam/pdf/International%20Advanced%20Level/Mathematics/2018/Specification-and-Sample-Assessment/International-A-Level-Maths-Spec-Issue3.pdf>

HOW WILL THE COURSE BE ASSESSED?

Module	Weighting	Assessment	Content
IAS Module name: Pure Mathematics (P1) Module code: (WMA11/01)	33.3% of IAS qualification 16.7% of IAL qualification	1 written paper in January 2023	Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; exponentials and logarithms; trigonometry; differentiation; integration.
IAS Module name: Pure Mathematics (P2) Module code: (WMA12/01)	33.3% of IAS qualification 16.7% of IAL qualification	1 written paper in June 2023	Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; exponentials and logarithms; trigonometry; differentiation; integration.
IAS Module name: Mechanics 1 (M1) Module code: (WME11/01)	M1/ 33.3% of IAS qualification 16.7% of IAL qualification	1 written paper in June 2023	Mathematical models in mechanics; vectors in mechanics; kinematics of a particle moving in a straight line; dynamics of a particle moving in a straight line or plane; statics of a particle; moments
IAL Module name: Pure Mathematics 3 (P3) Module code: (WMA13/01)	P3/ 16.7% of IAL qualification	1 written paper in January 2024	Algebra and functions; trigonometry; exponentials and logarithms; differentiation; integration; numerical methods.
IAL Module name: Statistics (S1) Module code: (WST01/01)	S1/ 33.3% of IAS qualification 16.7% of IAL qualification	1 written paper in June 2024	Mathematical models in probability and statistics; representation and summary of data; probability; correlation and regression; discrete random variables; discrete distributions; the Normal distribution.
IAL Module name: Pure Mathematics 4 (P4) Module code: (WMA04/01)	P4/ 16.7% of IAL qualification	1 written paper in June 2024	Proof; algebra and functions; coordinate geometry in the (x, y) plane; binomial expansion; differentiation; integration; vectors.

Aims and Objectives

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

- Develop their understanding of mathematics and mathematical processes in a way that promotes confidence and fosters enjoyment
- Develop abilities to reason logically and recognise incorrect reasoning, to generalise and to construct mathematical proofs
- Extend their range of mathematical skills and techniques and use them in more difficult, unstructured problems
- Take increasing responsibility for their own learning and the evaluation of their own mathematical development

Further Opportunities

Typical careers in this field include, but are not limited to Engineer, Scientist, Statistician, Architect, Financial Consultant, Insurance Broker, Teacher, Programmer and Accountant.

Prerequisites

Students must achieve a minimum grade 7 at IGCSE or GCSE Mathematics and at least 4 other (I)GCSEs at grade 4 or above, but this can be negotiated depending on the candidate.

Any further questions you might have, please contact

Head of Mathematics - Mr. Jordan Fleming - jordan.fleming@alrabeehacademy.ae

PHYSICS IAS\IAL

EDEXCEL XPH11/YPH11

SUPPLEMENT 8

COURSE DESCRIPTION

Year 12	Year 13
Unit 1: Mechanics and Materials Unit 2: Waves and Electricity Unit 3: Practical Skills in Physics	Unit 4: Further Mechanics, Fields and Particles Unit 5: Thermodynamics, Radiation, Oscillations and Cosmology Unit 6: Practical Skills in Physics II

HOW WILL THE COURSE BE ASSESSED?

Unit	Weighting (AS/A2)	Assessment	Assessed Content
IAS Unit 1	40% of the total IAS 20% of the total IAL	Written examination: 80 marks	<ul style="list-style-type: none"> • Mechanics • Materials
IAS Unit 2	40% of the total IAS 20% of the total IAL	Written examination: 80 marks	<ul style="list-style-type: none"> • Waves and Particle Nature of Light • Electric Circuits
IAS Unit 3: Practical Skills in Physics I	20% of the total IAS 10% of the total IAL	Written examination: 50 marks	This unit will assess students' knowledge and understanding of experimental procedures and techniques that were developed in Units 1 and 2.
IA2 Unit 4	40% of the total IA2 20% of the total IAL	Written examination: 90 marks	<ul style="list-style-type: none"> • Further Mechanics • Electric and Magnetic Fields • Nuclear and Particle Physics
IA2 Unit 5	40% of the total IA2 20% of the total IAL	Written examination: 90 marks	<ul style="list-style-type: none"> • Thermodynamics • Nuclear Decay • Oscillations • Astrophysics and Cosmology
IA2 Unit 6: Practical Skills in Physics II	20% of the total IA2 10% of the total IAL	Written examination: 50 marks	This unit will assess students' knowledge and understanding of the experimental procedures and techniques that were developed in Units 4 and 5.

Further Opportunities

Following on from A-Level physics, students can go into careers such as engineering, architecture, meteorologist, software engineer, radiologist or nanotechnology.

Prerequisites

Students will only be accepted into further Physics study if they have secured a grade 6 in their GCSE Science examination and have achieved at least 4 other IGCSEs at grade 5 or above including English and Mathematics. Studying AS/A Level Mathematics alongside this subject is recommended.

Considerations can be done. Contact Head of Science for further details, houda.ismail@alrabeehacademy.ae.

PSYCHOLOGY IAS\IAL

EDEXCEL XPS01/ YPS01

SUPPLEMENT 9

COURSE DESCRIPTION

Students of our Edexcel International Advanced Level in Psychology will study a combination of classic and contemporary studies, selected to suit an international audience, and develop an understanding of social and cognitive psychology, biological psychology, learning theories and development, applications of psychology and clinical psychology, and psychological skills.

Skills application

- Analyse, evaluate and present information in appropriate format.
- Respond appropriately to a range of question types, including multiple choice, short answers, extended responses and questions.

Students must be able to use Knowledge and Understanding, applying KU to examples and Evaluation through strengths and weaknesses of course content.

HOW WILL THE COURSE BE ASSESSED?

Unit	Weighting	Assessment	Content
Unit 1: Social and Cognitive Psychology	50% of IAS (25% of overall IAL)	Exam of 1 hour and 30 minutes	<p>Section A: Social psychology, totals 26 marks</p> <p>Section B: Cognitive psychology, totals 26 marks</p> <p>Section C: comprises one 12-mark extended response</p>
Unit 2: Biological psychology, learning theories and development	50% of IAS (25% of overall IAL)	Exam of 2 hours A mixture of long and short exams questions	<p>Section A: Research methods – How do you carry out psychological research?</p> <p>This section will focus primarily on Topic 11: Research methods – How do you carry out psychological research,</p> <p>This section draws on material from Topics 1 to 5 from Paper 1.</p> <p>Sections B to F: Optional topics Each of these sections covers one of the optional Topics 6 to 10. A mixture of long and short questions with one extended response.</p> <p>Calculators may be used in the examination.</p>
Unit 3: Applications in Psychology	25% of IAL	Exam of 1 hour and 30 minutes	<p>Students must answer all questions from Section A and all questions from a choice of two topic areas in Section B.</p> <p>Section A: Developmental psychology, totals 32 marks and comprises short-answer questions and two eight-mark extended open-response question.</p> <p>Section B: presents students with a choice of one from either criminological or health psychology. Each section totals 32 marks and comprises short-answer questions and two eight-mark extended open-response questions.</p>
Unit 4: Clinical Psychology and Psychology skills	25% of IAL	Exam of 2 hours A mixture of long and short exams	<p>Section A: Clinical psychology, totals 32 marks and comprises short-answer questions.</p> <p>Section B: Clinical psychology, comprises one 16-mark extended open- response question.</p> <p>Section C: Psychological skills, totals 20 marks and comprises short-answer questions drawing on research methods from other topic areas (except Topics F and G).</p> <p>Section D: Psychological skills, comprises one eight-mark extended open- response question based on the analysis of a key question from other topic areas (except Topics F and G).</p> <p>Section E: Psychological skills, comprises one 20-mark</p>

Further Opportunities

Progress to A-Level. Learners focus on the skills of analysis, evaluation and creating hypothesis. This course leads on to AS/A- Level Edexcel. Students can eventually progress to course in Law, Medicine, Teaching, NGO.



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