2024 | 2025

PROGRAMME OF STUDY

International Advanced Level

STAFFORD SRI LANKAN SCHOOL DOHA

Stafford Sri Lankan School Doha

International Advanced Level

This handbook is a programme guide for students moving to Year 12 in 2024/2025.

Contents

Introduction to Edexcel International Advanced Level (IAL)

Pearson Edexcel International Advanced Level is designed for international learners who want to progress to the best universities around the world. Edexcel International Advanced Subsidiary (AS) and the Pearson Edexcel International Advanced Level (A2) are part of a suite of International Advanced Level qualifications offered by Pearson for the students who successfully complete their IGCSE. The International Advanced Level can be claimed on completion of all the units (AS and A2).

IAL at SSLSD

IAL is designed in two stages and is taught in two years at SSLSD. In Year 12, students follow the AS level while in year 13 they complete their A2 Level.

SSLSD has been an Edexcel examination centre for the past 12 years. Students are coached to sit for the May/June exam series for their AS and A2 levels, however, resitting and certain subjects are offered in October and January.

Choice of subjects

Students can take four subjects for their IALs by selecting one subject from the below basket of subjects. It is designed in the best way for students to specialize in various areas.

Basket	Students should select one subject per basket
Basket 1	Mathematics English
Basket 2	Accounting Physics Psychology
Basket 3	Biology Business Further Mathematics
Basket 4	Chemistry Economics Information Technology

Students may select the below combination based on their career interests.

Career interest	Suggested subject combination
Business/Finance/ Economics	Accounting, Business, Economics, Mathematics/ English
Econometrics	Economics, Further mathematics, Mathematics, psychology
Engineering/ Statistics	Physics, Chemistry, Mathematics, further mathematics
Law	Any science or commerce subjects with Mathematics / English
Medicine/ Physiology	Biology, Chemistry, Physics, Mathematics,
Software engineering	Physics, Information Technology, Mathematics, further mathematics
Journalism	English, Psychology, Economics, Business

Entry requirement

Students must have IGSCE qualification (or equivalent) at grades 9 to 5 to follow IAL. Specific subject requirements are mentioned under the respective subject in this manual.

Accounting

Content overview

In year 12, students will learn the principles of accounting and double entry bookkeeping, control procedures, financial statements of organisations, introduction to costing, analysis of accounting statements and social and ethical accounting.

In year13, students will learn financial reporting of limited companies, investment ratios, statement of cash flows, budgeting, standard costing, project appraisal, break-even analysis marginal costing and absorption costing and ICT in accounting

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1: The accounting system and costing	200	3 hours	Year 12
Unit 2: Corporate and Management Accounting	200	3 hours	Year 13

Prior learning and other requirements

IGCSE Accounting (or equivalent) at grades 9 to 5 would be required to follow IAL Accounting.

Progression

Students can progress from this qualification to:

- Higher-education courses such as an accounting degree or a degree in finance, banking, strategic management, business, etc.
- A wide range of careers ranging from finance, banking, insurance, accountancy, management and consultancy to becoming professional economists.
- Professional qualifications such as CIMA, ACCA and CFA.

Biology

Content overview

In year 12, students will learn molecules, transport and health, membranes, proteins, DNA and gene expression, cell structure, reproduction and development, plant structure and function, biodiversity and conservation, and its practical experiments and investigations.

In year 13, students will learn energy flow, ecosystems and the environment, microbiology, immunity and forensics, respiration, muscles and the internal environment, coordination, response and gene technology.

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1: Molecules, Diet, Transport and Health	80	1 hour and 30 minutes	Year 12
Unit 2: Cells, Development, Biodiversity and Conservation	80	1 hour and 30 minutes	Year 12
Unit 3: Practical Skills in Biology I	50	1 hour and 20 minutes	Year 12
Unit 4: Energy, Environment, Microbiology and Immunity	90	1 hour and 45 minutes	Year 13
Unit 5: Respiration, Internal Environment, Coordination and Gene Technology	90	1 hour and 45 minutes	Year 13
Unit 6: Practical Skills in Biology II	50	1 hour and 20 minutes	Year 13

Prior learning and other requirements

IGCSE Biology (or equivalent) at grades 9 to 6 would be required to follow IAL Biology.

Progression

Students can progress from these qualifications to:

- A range of different, relevant academic or vocational higher education qualifications; for example, a degree in biology or in a related subject, including marine biology, natural science and anatomy, or equivalent qualifications such as BTEC Higher Nationals

Business

Content overview

In year 12, students are introduced to the market, explore the marketing and HR functions and investigate entrepreneurs and business start-ups. Students will explore the finance and operations functions, and learn the external influences on business.

In year 13, students will learn corporate objectives and strategies, how businesses grow, causes and effects of change and how businesses mitigate risk and uncertainty. Students will develop an understanding of business concepts in a global context.

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1: Marketing and people	80	2 hours	Year 12
Unit 2: Managing business activities	80	2 hours	Year 12
Unit 3: Business decisions and strategy	80	2 hours	Year 13
Unit 4: Global business	80	2 hours	Year 13

Prior learning and other requirements

IGCSE Business (or equivalent) at grades 9 to 5 would be required to follow IAL Business.

Progression

Students can progress from this qualification to:

- Higher education courses such as business management, business administration, accountancy and finance, human resource management, marketing, retail management, tourism management and international business.
- A wide range of careers, ranging from banking, sales, product management and general management to working in public sector organisations and charities.

Chemistry

Content overview

In year 12, students will cover areas including Formulae, Equations and Amount of substance, Atomic Structure and the Periodic Table, Bonding and Structure and Introductory Organic chemistry and Alkanes and Alkenes. Students will also learn Energetics, Intermolecular Forces, Redox chemistry and Groups 1, 2 and 7, Introduction to Kinetics and Equilibria and Organic chemistry including Alcohols, Halogenoalkanes and Spectra.

In year 13, Kinetics, Entropy and Energetics, Chemical Equilibria, Acid-base Equilibria and Organic Chemistry including Carbonyls, Carboxylic acids and Chirality are discussed. The content also includes Redox Equilibria, Transition Metals and their Chemistry, Organic Chemistry – Arenes, Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins and Organic Synthesis. Students are also expected to develop experimental skills, and a knowledge and an understanding of the necessary techniques, by carrying out a range of practicals.

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1: Structure, Bonding and Introduction to Organic Chemistry	80	1 hour and 30 minutes	Year 12
Unit 2: Energetics, Group Chemistry, Halogenoalkanes and Alcohols	80	1 hour and 30 minutes	Year 12
Unit 3: Practical Skills in Chemistry I	50	1 hour and 20 minutes	Year 12
Unit 4: Rates, Equilibria and Further Organic Chemistry	90	1 hour and 45 minutes	Year 13
Unit 5: Transition Metals and Organic Nitrogen Chemistry	90	1 hour and 45 minutes	Year 13
Unit 6: Practical Skills in Chemistry II	50	1 hour and 20 minutes	Year 13

Prior learning and other requirements

IGCSE Chemistry (or equivalent) at grades 9 to 6 would be required to follow IAL Chemistry.

Progression

Students can progress from this qualification to:

- A range of different, relevant academic or vocational higher education qualifications, for example a degree in chemistry or in a related subject, including chemical engineering and forensic science, or equivalent qualifications such as BTEC Higher Nationals

Economics

Content overview

In year 12, students will learn consumer behaviour, how markets work, government intervention to control market failure and challenges faced by the government in micro economics. They will also explore measures of a country's performance and macroeconomic policies of the government to improve an economy.

In year 13, students will learn business economics and types of different market structures including the labour market. They will also study international economics including world trade and exchange rates. Finally, they will be introduced to developments in the global economy where poverty, inequality and public finance is covered.

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1 - Markets in Action	80	1 hour and 45 minutes	Year 12
Unit 2: Macroeconomic Performance and Policy	80	1 hour and 45 minutes	Year 12
Unit 3: Business behaviour	80	2 hours	Year 13
Unit 4: Developments in the global economy	80	2 hours	Year 13

Prior learning and other requirements

IGCSE Economics or Business (or equivalent) at grades 9 to 5 would be required to follow IAL Economics.

Progression

Students can progress from this qualification to:

- Higher-education courses such as an economics degree with a focus on theory, or a degree in applied economics, such as environmental economics, labour economics, public sector economics or monetary economics. Alternatively, students may choose to go on to study a business economics, mathematical economics or business degree
- A wide range of careers ranging from finance, banking, insurance, management and consultancy, leading to becoming professional economists.

English Language

Content overview

In following IAL English Language, students will be given the opportunity to enhance their critical thinking and analytical skills as well as their writing skills.

In year 12, students will explore how the contexts of production and reception affect language choices, as well as how writers and speakers present themselves to their audiences, constructing identities through their language choices. Students will also be introduced to English language variations with a focus on English in a global context and the role of English as an international language.

In Year 13, students will demonstrate their skills as writers, crafting texts for different genre, audience, purpose and context. Students will further be given the opportunity to develop their research skills. Students will consolidate their knowledge of language frameworks and key language concepts and apply the skills and knowledge gathered in researching on a specified topic.

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1: Language: Context and identity	50	1 hour and 45 minutes	Year 12
Unit 2: Language in Transition	50	1 hour and 45 minutes	Year 12
Unit 3: Crafting Language (writing)	50	2 hours	Year 13
Unit 4: Investigating Language	50	2 hours	Year 13

Prior learning and other requirements

IGCSE English Language A (or equivalent) at grades 9 to 6 would be required to follow IAL English Language.

Progression

Students can progress from this qualification to:

- Undergraduate courses worldwide such as Law, Journalism and Media Studies, Education and Teaching, Business, Marketing and Public Relations and International Relations

Further Mathematics

Content overview

In year 12, students are required to follow FP1, D1 and M2 for their AS level in this same order.

In year 13, the teacher will decide unit combination that will be taught with the consultation of the school management and students' university entrance requirement. Any of the four options will be decided by the school for year 13 Further Mathematics:

- FP2, FP3, M3 in any order, or
- FP2, FP3, S2 in this order, or
- FP2, S2, S3 in this order, or
- FP2, M3, S2 in this order.

Assessment overview

Exam	Total marks	Duration	Course of study
FP1: Further Pure Mathematics 1	75	1 hour and 30 minutes	Year 12
D1: Decision Mathematics 1	75	1 hour and 30 minutes	Year 12
M2: Mechanics 2	75	1 hour and 30 minutes	Year 12
FP2: Further Pure Mathematics 2	75	1 hour and 30 minutes	Year 13
FP3: Further Pure Mathematics 3	75	1 hour and 30 minutes	Year 13
M3: Mechanics 3	75	1 hour and 30 minutes	Year 13
S2: Statistics 2	75	1 hour and 30 minutes	Year 13
S3: Statistics 3	75	1 hour and 30 minutes	Year 13

Prior learning and other requirements

IGCSE Mathematics (or equivalent) at grades 9 to 8 and IGCSE Physics (or equivalent) at grades 9 to 6 would be required to follow IAL Further Mathematics.

Progression

Students can progress from this qualification to:

- A range of different, relevant academics or vocational higher education qualifications such as Engineering, Statistics, medical statistics, Financial Mathematics, Geo informatics and computer science.

Information Technology

Content overview

Information and communication technology exerts a great influence in all subjects and therefore it is essential to train graduates for the modern world. ICT is one of the most innovative disciplines that can interact with any other discipline in order to develop subjects, which have areas of interaction.

In year 12, students will explore today's use of digital technologies, networks and how to ensure that communication is secure. They will learn cloud storage, hardware and software to design technology systems and data management. They will practice coding, web designing, JavaScript and HTML to create interactive features.

In year 13, students will learn Data Science, the uses of Big Data and the mechanisms involved. Students will understand how to design interfaces for devices and software. Students will understand issues related to policies, changeover, risk management and maintenance of IT systems and several emerging technologies. Students will practice database software tools and functions.

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1	80	2 hours	Year 12
Unit 2	80	3 hours	Year 12
Unit 3	80	2 hours	Year 13
Unit 4	80	3 hours	Year 13

Prior learning and other requirements

IGCSE ICT (or equivalent) at grades 9 to 5 would be required to follow IAL IT.

Progression

Students can progress from this qualification to:

- Higher education where they may study a related degree such as: Software engineering, Computer Science, Data Science, Cyber security, Computer Engineering, BioTechnology, Management Information security, Networking, Digital marketing, Artificial intelligence and Big data Analytics

Mathematics

Content overview

In year 12, students are required to follow Pure Mathematics 1 and 2 as compulsory units. In addition, they are required to choose either Mechanics 1 or Decision Mathematics 1 as an optional unit. Further mathematics students should take M1. The school will teach the units in this order: P1, (M1 or D1), P2

In year 13, students are required to follow Pure Mathematics 3 and 4 and Statistics 1. The school will teach the units in this order: P3, S1, P4

Assessment overview

Exam	Total marks	Duration	Course of study
P1: Pure Mathematics 1	75	1 hour and 30 minutes	Year 12
P2: Pure Mathematics 2	75	1 hour and 30 minutes	Year 12
M1: Mechanics 1	75	1 hour and 30 minutes	Year 12
D1: Decision Mathematics 1	75	1 hour and 30 minutes	Year 12
P3: Pure Mathematics 3	75	1 hour and 30 minutes	Year 13
P4: Pure Mathematics 4	75	1 hour and 30 minutes	Year 13
S1: Statistics 1	75	1 hour and 30 minutes	Year 13

Prior learning and other requirements

IGCSE Mathematics (or equivalent) at grades 9 to 6 would be required to follow IAL Mathematics.

Progression

Students can progress from this qualification to:

- A range of different, relevant academics or vocational higher education qualifications such as Engineering, Statistics, medical statistics, Financial Mathematics, Geo informatics, Computer Science, etc.
- Other degrees that require IAL Mathematics

Physics

Content overview

In year 12, students will learn physics in mechanics, materials, waves, particle nature of light and electric circuits and its practical experiments and investigations.

In year 13, students will learn further mechanics, electric, magnetic fields, nuclear physics and particle physics, thermodynamics, Nuclear Decay, Oscillations, Astrophysics and Cosmology, and its practical experiments and investigations.

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1: Mechanics and Materials	80	1 hour and 30 minutes	Year 12
Unit 2: Waves and Electricity	80	1 hour and 30 minutes	Year 12
Unit 3: Practical Skills in Physics I	50	1 hour and 20 minutes	Year 12
Unit 4: Further Mechanics, Fields and Particles	90	1 hour and 45 minutes	Year 13
Unit 5: Thermodynamics, Radiation, Oscillations and Cosmology	90	1 hour and 45 minutes	Year 13
Unit 6: Practical Skills in Physics II	50	1 hour and 20 minutes	Year 13

Prior learning and other requirements

IGCSE Mathematics (or equivalent) at grades 9 to 6 and IGCSE Physics (or equivalent) at grades 9 to 6 would be required to follow IAL Physics. In addition, students need to take IAL Mathematics parallelly to follow IAL Physics.

Progression

Students can progress from this qualification to:

- A range of different, relevant academic or vocational higher education qualifications, e.g. degrees in physics or related subjects including engineering and environmental science or equivalent qualifications such as BTEC Higher Nationals in Engineering

Psychology

Content overview

In year 12, students will learn social psychology, cognitive psychology and biological psychology.

In year 13, students will learn developmental psychology, criminological psychology, health psychology and clinical psychology, and its application to psychological skills.

Assessment overview

Exam	Total marks	Duration	Course of study
Unit 1: Social and cognitive psychology	64	1 hour and 30 minutes	Year 12
Unit 2: Biological psychology, learning theories and development	96	2 hours	Year 12
Unit 3: Applications of psychology	64	1 hour and 30 minutes	Year 13
Unit 4: Clinical psychology and psychological skills	96	2 hours	Year 13

Prior learning and other requirements

There are no prior learning or other requirements for these qualifications. Students who would benefit most from studying these qualifications are likely to have GCSE in Psychology, but is not necessary.

Progression

Students can progress from these qualifications to further studies in Psychology as well as to a wide range of other subjects such as Clinical therapist, Educational Psychologist, Early childhood education, Special needs education, Human Resources etc.

IAL Fees Structure at SSLSD

Approximate fees for Year 12 and Year 13 are as follows.

	Annual fee (QR)	Term fee (QR)		
		Sep – Dec	Jan – Mar	Apr – June
Year 12/ 13	18,800	7,600	5,700	5,700

In addition to the above school fees, students are required to pay Edexcel examination fees for their respective subject units in around February every year.

Subject	Paper		Approximate Exam Paper fee (QR)
Accounting	Unit 1	Year 12	575
	Unit 2	Year 13	575
Biology	Unit 1	Year 12	280
	Unit 2	Year 12	280
	Unit 3	Year 12	280
	Unit 4	Year 13	280
	Unit 5	Year 13	280
	Unit 6	Year 13	280
Business	Unit 1	Year 12	360
	Unit 2	Year 12	360
	Unit 3	Year 13	360
	Unit 4	Year 13	360
Chemistry	Unit 1	Year 12	280
	Unit 2	Year 12	280
	Unit 3	Year 12	280
	Unit 4	Year 13	280
	Unit 5	Year 13	280
	Unit 6	Year 13	280
Economics	Unit 1	Year 12	360
	Unit 2	Year 12	360
	Unit 3	Year 13	360
	Unit 4	Year 13	360
Psychology	Unit 1	Year 12	360
	Unit 2	Year 12	360
	Unit 3	Year 13	360
	Unit 4	Year 13	360

Subject	Paper		Approximate Exam Paper fee (QR)
Information Technology	Unit 1	Year 12	360
	Unit 2	Year 12	360
	Unit 3	Year 13	360
	Unit 4	Year 13	360
Physics	Unit 1	Year 12	280
	Unit 2	Year 12	280
	Unit 3	Year 12	280
	Unit 4	Year 13	280
	Unit 5	Year 13	280
	Unit 6	Year 13	280
Mathematics/ Further mathematics	P1	Year 12	280
	P2	Year 12	280
	P3	Year 13	280
	P4	Year 13	280
	FP1	Year 12	280
	FP2	Year 13	280
	FP3	Year 13	280
	M1	Year 12/13	280
	M2	Year 12/13	280
	M3	Year 12/13	280
	S1	Year 12/13	280
	S2	Year 12/13	280
	S3	Year 12/13	280
	D1	Year 12/13	280

*All fees are subject to change

Post A Levels

A level allows students to pursue higher studies in universities/ institutes for career development. Students of SSLSD have joined these degree programmes for their under/post graduate levels.

	Degree/ Course	University/ Institute	Country
Accounting	Accounting & Finance	Sunway University	Malaysia
	Finance and Accounting	Asia Pacific University	Malaysia
	Commerce/ Accounting	Monash University Clayton	Australia
	Finance	Carnegie Mellon University	Qatar
Aviation	Flight operations	University of South Australia	Australia
	Aviation	Asian Aviation Centre	Sri Lanka
Economics	International Economics	University of Essex	United Kingdom
	Economics and Econometrics	Erasmus University Rotterdam	Netherlands
	Finance and Economics	Qatar University	Qatar
	Economics	University of Nottingham	Malaysia
	Economics	Concordia University	Canada
Engineering	Mechanical Engineering	Qatar University	Qatar
	Electrical Engineering	University of Calgary	Canada
	MSc in Structural Engineering	Liverpool John Moores University	United Kingdom
	Chemical engineering	University of New Brunswick,	Canada
	Mechatronic Engineering	Asia Pacific University	Malaysia
IT	Cyber Security	APIIT	Sri Lanka
	Computer Science	Qatar University	Qatar
	Computer Science	University of Bedfordshire	Canada
	Computer Science	Monash University	Malaysia
	Fintech	Asia Pacific University	Malaysia
	Information systems	Memorial University of Newfoundland	Canada
Law	Law	University of Wolverhampton	United Kingdom
	Law	University of Hertfordshire	United Kingdom
Management	Operations and Logistics management	NSBM	Sri Lanka
	Business Management	SLIIT	Sri Lanka
	International Business	Monash University	Malaysia
	Marketing Management	Asia Pacific University	Malaysia
	International Business Management	Asia Pacific University	Malaysia
	Hotel management	Sunway University	Malaysia
	Commerce	Curtin Universit Perth	Australia
Medicine	Medicine	General Sir John Kotelawala Defence University	Sri Lanka
	Medicine	Tiblisi State Medical University	Georgia
	Medicine	Weill Cornell Medicine	Qatar
	Medicine	Newcastle University Medicine	Malaysia
Other	Psychology	Monash University	Malaysia
	Speech Communications	Lone Star College	United States
	Physiotherapy	Qatar University	Qatar
	Physiology	University of Leicester	United Kingdom
	Forensic Science	Kingston University	United Kingdom
	Engineering Science	Technical University of Hamburg	Germany

Cost of higher education

One of the main concerns of higher education is its cost and therefore prior financial planning is crucial for parents. The below table lists annual tuition fee (excluding accommodation, admission, books and other costs) of different universities in 2021 to give a rough understanding. For more information, please click the respective link or browse the website of any interested university.

University	Annual fee (approximately)	*for more information*
APU Malaysia - Business/ IT	30,000 - 35,000 QR	*Click here*
APIIT Sri Lanka - Business/IT/Law	10,000 - 12,000 QR	Click here
Monash University Malaysia - Business/Engineering/IT	40,000 - 50,000 QR	*Click here*
Monash University Malaysia - Medicine	100,000 - 110,000 QR	*Click here*
NSBM Sri Lanka - Business/IT	10,000 - 15,000 QR	*Click here*
Qatar university - Business/Economics/Science	35,000 - 40,000 QR	*Click here*
Qatar university - Medicine	60,000 - 120,000 QR	*Click here*

Alternative Courses

Students who do not wish to pursue IALs for their career development can take the following courses after their IGCSE.

- BTech
  BTECs embody a fundamentally learner-centred approach to the curriculum, with a flexible, unit-based structure and knowledge applied in project-based assessments. They focus on the holistic development of the practical, interpersonal and thinking skills required to be able to succeed in employment and higher education.

- Foundation courses
  Certain universities and institutes offer foundation courses to follow further degrees.

- Professional courses and diplomas