

# A LEVEL

## SUBJECTS SELECTION



**SRI KDU**  
International  
School  
SUBANG JAYA

"Someone getting an A-grade today in Subang Jaya, Malaysia is guaranteed to be treated in the same way as somebody who achieved such a grade in Cambridge, England, twenty years ago".

**Anthony Partington**  
*The Universal Golden Standard (2020)*





A Level is an academically-inclined high standards and international recognition course governed by the Cambridge International Examinations (CIE).

Students graduated from Year 11 start plotting their next step of their education journey before making the leap to renowned university all over the world. Sri KDU International School, Subang Jaya offers a range of courses taught by education experts through rigorous lessons that will challenge students to achieve and exceed their potential.

Explore a particular area of the world of work and have a higher coursework element.

**EMBARK ON THIS JOURNEY AND MAKE THE GRADE AT SRI KDU SUBANG JAYA**



# 9706 Accounting

## AIM

The aim of the subject is to familiarise the students with world of accounting. Students will gain a solid foundation of knowledge in accounting to prepare you university, professional qualifications, and the industry. A Level Accounting aims to:

- develop an ability to apply accounting concepts, principles and practices
- understand the role of accounting as an information system for monitoring, problem-solving and decision making and the place of accounting in changing economic, social and technological environments
- develop a critical and analytical approach to examining and evaluating accounting policies and practices
- develop skills of communication, analysis, interpretation and presentation of both qualitative and quantitative accounting information

## WHAT WILL I LEARN

A Level Accounting allows students to develop an understanding of the principles and concepts of Accounting. In general, emphasise will be placed on student's financial skills and comprehension on accounts preparation for a variety of businesses including sole traders to partnerships and limited companies. Based on the outcome of their research and data gathering on an institutions' performance, students will make sound decision on the best investment practice.

Extensive written responses and essay will improve student's analytical and evaluative skills to demonstrate a deeper understanding of the subject knowledge. It allows students to develop quantitative data analysis and interpretation skills, whilst the inclusion of ethics and an emphasis on management accounting will give students the confidence to communicate information to non-accountants and future clients.



## COMPLEMENTING SUBJECT



### 9609

BUSINESS STUDIES



### 9708

ECONOMICS



### 9709

MATHEMATICS

## KEY CONCEPT

Financial Accounting  
Financial Statement  
Management Accounting  
Financial Statements for Limited Companies  
Analysing and Interpreting Financial Information

### FUTURE STUDY

▪ Accountancy ▪ Finance  
Management ▪ Business Studies  
▪ Economics ▪ Marketing  
Communication ▪ Statistic Education  
▪ Accounting ▪ Information System  
▪ Strategic Management ▪ Accounting

### CAREER PATH

▪ Auditor ▪ Tax Consultant  
▪ Bookkeeper  
▪ Accounts Specialist ▪ Account  
Management ▪ Accountant ▪ Financial  
Controller ▪ Lecturer ▪ Economist

"Accounting is the language  
of business."  
Warren Buffet



9479

# Art and Design



## AIM

Every great dream begins with a dreamer. Every great artist begins with a piece of art. A Level Art & Design aims to develop learner's artistic skills to be university ready before the brush strokes begins to higher education. They would have critical understanding of the vital concept and elements of art and design.

It is without the shadow of a doubt that learners should be able to churn ideas and critical feedback of their own project and certain case studies. They are aimed to develop a clear contextual framework that aids critical reflection of their work. As a sign of their readiness to venture into university, this course will look into improving a learner technical skill in a range of processes and mediums. Last but not least, students need to be adept to analyse, evaluate and apply certain artistic concepts or skills.

## WHAT WILL I LEARN

Cambridge International AS & A Level Art & Design encourages learners to explore a range of processes and techniques appropriate to their chosen area of study. The syllabus encourages personal responses that are based on knowledge and understanding and skills in art, craft and design. The four areas of study are Fine Art, Graphic Communication, Three-dimensional Design, Textiles and Fashion.

This course provides the opportunity for learners to experiment with media and materials in two- and three- dimensional processes. Encouraging creativity and independency in their coursework as they forge ideas and critically evaluate their project and continually review, refine and adapt. Contrary to popular belief, Art & Design instill values of higher order thinking in improving students analysis, critical thinking and problem solving skills. Students will need to utilize these values to produce various artwork incorporating different prominent artists, movements and concepts.

## COMPLEMENTING SUBJECT



**9482**  
DRAMA



**9695**  
LITERATURE IN ENGLISH



**9702**  
PHYSICS



**9709**  
MATHEMATICS

## KEY CONCEPT

Communication	● ● ● ●
Creativity	● ● ● ● ●
Intention	● ● ● ● ●
Materials & Process	● ● ● ● ●
Critical Reflection	● ● ● ●
Research & Context	● ● ● ● ●

### FUTURE STUDY

Art & Design ▪ Animation ▪ Architecture  
Product Design ▪ Industrial Design  
▪ Fashion and Textile ▪ Drama and  
Theatre Studies ▪ Photography ▪ Media  
Studies ▪ Design and Technology

### CAREER PATH

▪ Professional Artist ▪ Photographer  
▪ Illustrator ▪ Animator ▪ Multimedia  
▪ Designer ▪ Curator ▪ Art Teacher  
▪ Fashion & Costume Designer ▪ 3D  
and Interior Designer ▪ Cartoonist ▪ Art  
Consultant ▪ Typographer

"Art washes away from the  
soul the dust of everyday life."

*Pablo Picasso*

"I paint self-portraits because I  
am so often alone, because I am  
the person I know best"

*Frida Kahlo*

# 9700 Biology



## AIM

This course aims to guide students to gain a better understanding of theoretical and practical learning. By the end of the course, they are expected to be able to perform all applied skills that they have learned and execute these practices efficiently, safely and accurately.

Throughout the course, students will be encouraged to become more adept at data analysis, assessment, and drawing conclusions on their assigned task, which will improve their reporting skill. Finally, this course promotes excellent scientific communication abilities through the use of appropriate terminology and scientific standards.

## WHAT WILL I LEARN

This course places emphasis on the applications of Biology and impact of recent developments on the needs of contemporary society. All students will be encouraged to use secondary sources of information and information technology (IT) to analyse, store and retrieve data and to model biological phenomena. They will also learn to communicate biological information orally, as well as in writing.

The course aims to develop an understanding of Biological facts and principles and an appreciation of their significance. It will emphasise the social and applied aspects of Biology whilst encouraging an awareness of the contribution of Biology to the needs of society and it will develop an understanding of scientific method and its application.

## COMPLEMENTING SUBJECT



**9701**  
CHEMISTRY



**9702**  
PHYSICS



**9709**  
MATHEMATICS

## KEY CONCEPT

Cells as the units of life  
Biochemical processes  
DNA, the molecule of heredity  
Natural selection  
Organisms in their environment  
Observation and experiment

### FUTURE STUDY

- Biological Science ▪ Sport Science
- Biomedical ▪ Natural Sciences
- Marine Biology ▪ Medicine and Surgery ▪ Forensic Science
- Biochemistry ▪ Behavioral Sciences
- Microbiology ▪ Zoology

### CAREER PATH

- Academic Researcher ▪ Biologist
- Biotechnologist ▪ Clinical ▪ Biophysicist ▪ Ecologist ▪ Doctor ▪ Forensic Scientist ▪ Higher Education Lecturer
- Marine Biologist ▪ Microbiologist
- Medical Assistant ▪ Pharmacologist

"Our thoughts, visions and fantasies have a physical reality. A thought is made of hundreds of electrochemical impulses"  
*Jared Diamond*

9609

# Business



## AIM



Dive deep into business theories and concepts while merging various real-world case studies into theoretical learning. A Level Business aims to:

- understand and appreciate the role of enterprise and the contribution of business to society – locally, nationally and internationally
- develop critical understanding of business organisations, the markets they serve and the process of adding value
- evaluate business behaviour from the perspective of a range of stakeholders and consider their relative influence on business organisations
- develop an awareness of the political, economic, social, technological, legal, environmental and ethical issues that influence or may be influenced by business activity
- apply quantitative, problem-solving, decision-making and communication skills
- develop skills and knowledge needed for further study or employment in business

## WHAT WILL I LEARN



A Level Business introduces students to the fundamental principles of all business. The first part of the course covers the four main business functions: Marketing, Finance, Operations and Human Resources. It outlines the way businesses have to co-ordinate, measure, and adjust these four to remain competitive but profitable.

The second half cover on how to measure corporate performance, analyse changing external influences on business including technology, competition, the economy, and globalisation and finally to compare how different businesses manage change. Students will learn to analyse real life business case studies (Apple, Uber, Pret, Sainsbury, Dominoes), calculate and compare business performance and even make business decisions.

## COMPLEMENTING SUBJECT



**9708**  
ECONOMICS



**9709**  
MATHEMATICS



**9696**  
GEOGRAPHY



**9990**  
PSYCHOLOGY

## KEY CONCEPT



Marketing and People  
Managing Business Activity  
Business Decision and Strategy  
Global Business

### FUTURE STUDY

- Finance ▪ Business Management
- Information Technology ▪ Law
- Human Resource ▪ Banking
- Economic Studies ▪ Marketing & Communication ▪ Public Relations
- Islamic Finance

### CAREER PATH

- Business Consultant ▪ Accountant
- Financial Analyst ▪ Banker ▪ Sales Manager ▪ Stock Market Analyst ▪ Tax Manager ▪ Finance Manager
- Software Developer ▪ Public Relations Manager

"Entrepreneurs are not born,  
they are made!"

*Peter Jones*

# 9701 Chemistry



## AIM

In preparation for further studies, students taking this course would be able to recognise the usefulness and limitations of chemistry scientific methods and its application in daily life. Students are also expected to be able to organise information, manipulate numerical data, analysis, evaluate, report trends and draw conclusion by applying chemistry knowledge. These skills will be complimented with experiments and investigations that will be the most exciting part of their course.

To top it off, each learning topic will be looped around the major focus of theories and understanding of chemistry concepts. Reinforcing theories to practical learning, student will undergo learning opportunities that develop their experimental and investigative work in an enjoyable and motivational manner.

## WHAT WILL I LEARN

Facts, theories, and concepts abound in A Level Chemistry. Students will build a body of knowledge that will be tested on various experiment and hands-on activities. Students should be adept in rearranging equations and utilising numbers as many topics will involve calculations.

Practical learning is a constant fixture in most lesson plan throughout the course and these lessons requires focus and safe lab practices. Students will be trained to be comfortable with lab tools and perform experiments accordingly.

Social, environmental, economic, and technological elements of chemistry will be touched upon where relevant throughout the course. Chemistry has been described as the 'central science' and is often combined with either physics or biology.

## COMPLEMENTING SUBJECT



**9700**  
BIOLOGY



**9702**  
PHYSICS



**9709**  
MATHEMATICS

## KEY CONCEPT

Atoms and Forces  
Experiments and Evidence  
Patterns in Chemical Behaviour  
and Reactions  
Chemical Bonds  
Energy Changes

### FUTURE STUDY

▪ Analytical Chemistry ▪ Applied  
▪ Bioscience ▪ Biochemistry ▪ Chemical  
Engineering ▪ Chemical Science ▪ Food  
Science ▪ Forensic Science ▪ Medicinal  
Chemistry ▪ Organic Chemistry ▪ Science  
Education

### CAREER PATH

▪ Analytical Chemists ▪ Chemical  
Engineer ▪ Chemical Engineers  
▪ Chemical Technicians ▪ Food  
Science Technician ▪ Forensic  
Scientists ▪ Geochemists  
▪ Pharmacologists ▪ Research Scientist

"We think there is color, we  
think there is sweet, we think  
there is bitter, but in reality  
there are atoms and a void."

*Pablo Picasso*



# 9715 Chinese



## AIM

The Cambridge International AS and A Level syllabus in Chinese aims to:

- develop the ability to understand Chinese from a variety of registers
- enable students to communicate confidently and clearly in Chinese
- form a sound base of skills, language and attitudes required for further study, work, and leisure
- develop insights into the culture and civilisation of the countries where Chinese is spoken, including the study of literary texts where appropriate (this does not apply to AS Language qualifications)
- encourage positive attitudes to language learning and a sympathetic approach to other cultures and civilisations
- support intellectual and personal development by promoting learning and social skills.

## WHAT WILL I LEARN

Chinese A Level gives you the flexibility to design a course that will interest, challenge, and engage you. Where appropriate you are responsible for selecting resources and examples to support your study. These should be appropriate for the learners' age, cultural background and learning context as well as complying with your school policies and local legal requirements.

There are few topics which you will be learned: Human relationships, Young people, Urban and rural life, Law and order, Equality of opportunity, employment and unemployment and may more. You will also learn the Chinese Modern Literature texts.

## COMPLEMENTING SUBJECT



### 9479

ART & DESIGN



### 9609

BUSINESS STUDIES



### 9489

HISTORY

## KEY CONCEPT

Communication	● ● ● ● ●
Creativity	● ● ●
Research & Context	● ● ● ● ●
Literature Studies	● ● ● ●
Cultural Studies	● ● ● ● ●

### FUTURE STUDY

- Chinese Studies ▪ Literature Education ▪ Translation Studies
- Broadcasting ▪ Journalism
- Marketing ▪ Business Studies
- Communication and Media Studies
- Politics ▪ Tourism and Hospitality

### CAREER PATH

- Academic Researcher ▪ Chinese Educator ▪ Subtitler or Transcriber
- Research Analyst ▪ Translator or Interpreter ▪ Journalist ▪ Editor
- Travel and Tourism Campaigner
- Script Writer ▪ Marketing Manager

"Hope is like a path in the countryside. Originally, there is nothing – but as people walk this way again and again, a path appears"  
Lu Xun



9608

# Computer Science



## AIM

The aim of the Cambridge International AS and A Level Computer Science syllabus is to encourage learners to develop an understanding of the fundamental principles of computer science and how computer programs work in a range of contexts.

Learners will study topics which include information representation, communication and Internet technologies, hardware and software developments, and relational database modelling. As they progress, learners will develop their computational thinking and use problem solving to develop computer-based solutions using algorithms and programming languages.

## WHAT WILL I LEARN

A Level Computer science is split into two complementary sections, programming and theory. On the programming side of the course, students will learn a programming language (chosen by your teachers from C#, Java, Pascal/Delphi, Python and VB.Net). You will cover the fundamentals of programming, data structures, algorithms, and object-orientated programme design.

The theory side of computer science explains about the internal workings of a computer, right down the basics of how all data is stored using binary, whether that data consists of numbers, text, pictures or even music. It goes on from there to cover aspects of computer architecture, showing exactly how data is accessed from main memory using assembly language instructions and the fetch-execute cycle.

## COMPLEMENTING SUBJECT

**9609**

BUSINESS STUDIES

**9702**

PHYSICS

**9709**

MATHEMATICS

## KEY CONCEPT

Theory Fundamentals  
Fundamental Problem-Solving & Programming  
Advanced Theory  
Further Problem-solving & Programming Skills

### FUTURE STUDY

▪ Actuarial Science ▪ Artificial Intelligence ▪ Computer Science  
▪ Cyber Security ▪ Information Systems ▪ Information Technology  
▪ Mathematics ▪ Mobile Computing Programming ▪ Software Engineering

### CAREER PATH

▪ Applications Developer ▪ Cyber Security Analyst ▪ Data Analyst  
▪ Database Administrator ▪ Game Designer ▪ Games Developer ▪ IT Consultant ▪ Software Engineer ▪ UX Designer ▪ Web Designer

"Good code is its own best documentation"  
*Steve McConnell*

"Computer Science is the operating system of all innovation"  
*Steve Ballmer*

9481

# Digital Media & Design



## AIM

A Level Digital Media and Design opens the door to one of the most dynamic and fast-moving creative industries in the world. This course inspires students to explore how digital technologies can be used to communicate ideas, tell stories, and shape visual culture. Learners will discover how the digital landscape has evolved and how creativity continues to drive innovation across the media and design industries.

The course nurtures imagination and originality, encouraging students to think critically and creatively about the design process. With an emphasis on the creative journey rather than purely technical skills, students are guided to express their ideas with confidence and intention. They will explore how artistic vision can be combined with digital tools to produce original and meaningful outcomes that reflect personal expression while responding to real-world contexts. Students are also encouraged to consider the social, cultural, and ethical impact of their creative work. Throughout the course, emphasis is placed on concept development, storytelling, and communication through both visual and interactive forms.

## WHAT WILL I LEARN

Students will engage with a broad range of creative practices including game design and development, website and app creation, digital film-making, 2D and 3D animation, photography, and digital typography. They will also study the history and evolution of digital media and how design influences the way people think, feel, and interact in modern society.

Through project-based learning, students will gain hands-on experience using industry-standard software to plan, design, and produce imaginative digital outcomes. The course nurtures collaboration, experimentation, and reflection—key skills for success in higher education and the creative industries.

## COMPLEMENTING SUBJECT

**9479**

ART &amp; DESIGN

**9609**

BUSINESS STUDIES

**9709**

MATHEMATICS

**9990**

PSYCHOLOGY

## KEY CONCEPT

Communication  
Creativity  
Innovation  
Intention  
Critical Reflection  
Research and Context

### FUTURE STUDY

▪ Digital Media ▪ Animation ▪ Graphic Design ▪ Game Development ▪ Film Production ▪ Interactive Design ▪ Visual Communication

### CAREER PATH

▪ Graphic Designer ▪ Animator ▪ Web or App Designer ▪ Game Developer ▪ Digital Illustrator ▪ Film or Video Editor ▪ Multimedia Producer ▪ UX/UI Designer ▪ Creative Director

*"Digital design is like painting, except the paint never dries."*

*Neville Brody*

*"Design is intelligence made visible."*

*Alina Wheeler*

9482

# Drama



## AIM



A Level Drama focuses on equipping and developing students' interest and enjoyment of drama and theatre, with in depth exploration of means in human communication and expression. The course is suitable for students aspiring an education that strengthens their academia, their ability to creatively interpret their ideas through analysis and contributions as an actor, design and director.

Not only do students strengthen their artistic understanding of performance, they also strongly develop their critical and theoretical skills necessary to understand the concept of a theatre production. Students expand their knowledge and understanding of practitioners, performance texts, styles and genres that have influenced the Arts sector. The subject also enriches their appreciation of the social, cultural and historical dimensions of drama and theatre. A-Level Drama prepares students for a successful path into higher education, whether this is to pursue further studies at University, training in Drama school, or an array of career paths.

## WHAT WILL I LEARN



A-Level Drama focuses on key concepts that are delivered and explored through practical explorations and theoretical studies that compliment the course syllabus.

The course focused on communication as a means to an audience through verbal and physical performance, through the roles as actor, designer and director. Students will learn the performance process through practical coursework such as a published play, an original piece of devised work, or a combination of the two. This will involve students to collaborate as a company to interpret or create a dramatic material, which is achieved through rehearsals and results in a final performance to an audience. Students also demonstrate their understanding of using a wide range of performance skills to bring a character to life.

The syllabus also focuses on the studying of Drama practitioners and their work that reflects the social, cultural, and historical influences of that time. There are many opportunities for students to do in depth research and critically reflect that focuses on preparation, refining their ideas and evaluating their work.

## COMPLEMENTING SUBJECT



**9479**  
ART & DESIGN



**9489**  
HISTORY



**9695**  
LITERATURE IN ENGLISH



**9990**  
PSYCHOLOGY

## KEY CONCEPT



Knowledge and Understanding  
Devising  
Performing  
Analysing and Evaluating  
Research & Context

### FUTURE STUDY

- Drama & Theatre Studies ▪ English Literature ▪ Media Studies ▪ Law
- History ▪ Film Studies ▪ Liberal Arts
- Journalism ▪ Drama Therapy
- Psychology ▪ Sociology

### CAREER PATH

- Academic Researcher ▪ Arts Therapist ▪ Arts Administrator ▪ Events Coordinator ▪ Writer ▪ Journalist
- Television Producer ▪ Stage Designer ▪ Lawyer ▪ Broadcaster
- Customer Service ▪ Hospitality

"Art has the power to transform, to illuminate, to educate, inspire and to motivate."  
*Harvey Fierstein*

"Creativity is as important as literacy."  
*Sir Ken Robinson*



# 9708 Economics



## AIM

Economics helps you learn skills to prepare you for the challenges you may face in working life, like assessing the value of goods and investing in your retirement. A Level Economics aims to:

- an understanding of the factual knowledge of economics
- a facility for self-expression, not only in writing but also in using additional aids, such as statistics and diagrams, where appropriate
- the habit of using works of reference as sources of data specific to economics
- the habit of reading critically to gain information about the changing economy we live in
- an appreciation of the methods of study used by the economist, and of the most effective ways economic data may be analysed, correlated, discussed and presented.

## WHAT WILL I LEARN

A Level Economics course covers essential topics such as market systems, market failure and government intervention, the national and international economy and the economics of work and leisure.

Students will study how to explain and analyse economic issues and arguments, evaluate economic information, and organise, present and communicate ideas and judgements clearly. The syllabus covers a range of basic economic ideas, including an introduction to the price system and government intervention, international trade and exchange rates, the measurement of employment and inflation, and the causes and consequences of inflation.

Students also study the price system, the theory of the firm, market failure, macroeconomic theory and policy, and economic growth and development

## COMPLEMENTING SUBJECT



**9609**

BUSINESS STUDIES



**9706**

ACCOUNTING



**9709**

MATHEMATICS

## KEY CONCEPT

Basic Economic Ideas and Resource Allocation

The Price System and the Micro Economy

Government Microeconomic Intervention

The Macro Economy

Government Macroeconomic Intervention

### FUTURE STUDY

- Accountancy ▪ Economics
- Business Studies ▪ Risk Management
- Development ▪ Economics ▪ Actuarial Science ▪ Account Management
- Business Management ▪ Journalism Education

### CAREER PATH

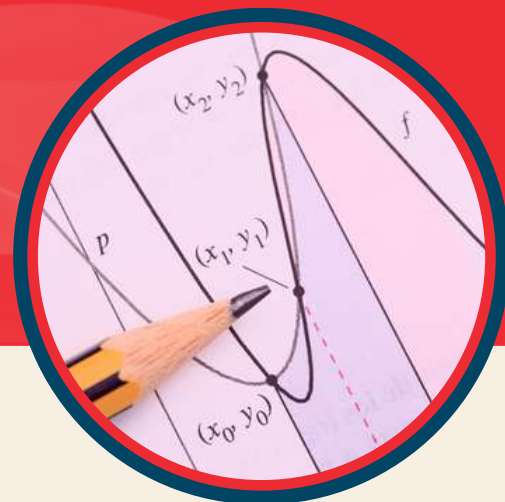
- Business Management ▪
- Environmental Economist ▪ Personal Financial Adviser ▪ Market Research Analyst ▪ Business Journalist ▪ Accounting and Finance
- Lecturer ▪ Stockbroker ▪ Risk Analyst

"Economy is the art of making the most of life"  
*Gary Becker*

"Economy is a very dangerous science."  
*John Maynard Keynes*

9231

# Further Mathematics



## AIM

Every great discovery begins with curiosity — and mathematics is the language that drives it. A Level Further Mathematics is designed for learners who wish to challenge themselves with advanced problem-solving and abstract reasoning. It deepens understanding of mathematical concepts and extends analytical thinking to new levels of sophistication.

Students will develop precision, logical reasoning, and creativity as they learn to model complex situations and explore the beauty of mathematical structures. This course fosters confidence, independence, and appreciation for mathematics as both an art of logic and a foundation for innovation in the real world.

## WHAT WILL I LEARN

Cambridge International AS & A Level Further Mathematics extends core A Level Mathematics into more advanced areas.

Students will:

- Strengthen algebraic and calculus skills through complex numbers, differential equations, and proof.
- Explore matrices, vectors, and polar coordinates to model geometric and physical systems.
- Apply mathematical methods to mechanics, motion, equilibrium, and probability.
- Develop fluency in mathematical communication and the confidence to solve unfamiliar problems.

The course encourages students to connect theory with application, seeing how mathematics underpins technology, science, and data-driven decision-making across all fields.

## COMPLEMENTING SUBJECT


**9608**

COMP SCIENCE


**9701**

CHEMISTRY


**9702**

PHYSICS


**9708**

ECONOMICS

## KEY CONCEPT

Logical & Abstract Reasoning  
 Mathematical Modelling  
 Proof & Problem Solving  
 Analytical Thinking  
 Communication & Precision

### FUTURE STUDY

Mathematics ▪ Engineering ▪  
 Computer Science ▪ Physics  
 Economics ▪ Data Science ▪ Actuarial  
 Science

### CAREER PATH

▪ Engineer ▪ Statistician ▪ Data Analyst  
 ▪ Software Developer ▪ Economist  
 ▪ Financial Analyst ▪ Research Scientist  
 ▪ Actuary

*"Pure mathematics is, in its way, the poetry of logical ideas."*

*Albert Einstein*

9696

# Geography



## AIM



Are you fascinated by the way the world works? With AS & A-Level Geography, you will learn and recognise the great differences in cultures, political systems, economies, landscapes, and environments across the world by exploring the links between them. With issues pertaining to Climate Change and Global Warming, the human and physical world have become more inextricably intertwined now than ever before.

According to the Royal Geographical Society, Geography graduates have some of the highest rates of graduate employment. Geography will help you develop your communication and teamwork skills, as you'll often work on group projects. You'll also develop your research and analytical skills including in IT and fieldwork, which means you will be able to collect and look for patterns in data. Employers love the mix of technical and social skills people get from studying geography, which they see as very transferable.

## WHAT WILL I LEARN



You would notice that many of the topics covered in AS & A Levels Geography has already been covered in IGCSE Geography, however now, you will find increased challenge as you study in greater depth through independent research, begin to develop your own ideas through classroom discussions, and investigative learning through field studies.

Some of the key concepts for AS & A Level Geography are:

- Scale: the significance of spatial scale in interpreting environments, features, and places from local to global, and time scale in interpreting change from the geological past to future scenarios.
- Place: the importance of physical and human characteristics which create distinctive places with different opportunities and challenges.
- Environment: how the interactions between people and their environment create the need for environmental management and sustainability.

## COMPLEMENTING SUBJECT



**9700**  
BIOLOGY



**9708**  
ECONOMICS



**9709**  
MATHEMATICS



**9990**  
PSYCHOLOGY

## KEY CONCEPT



Interpreting	● ● ● ● ●
Setting Research	● ● ● ● ●
Environment	● ● ● ● ●

### FUTURE STUDY

▪ Agriculture ▪ Archaeology  
▪ Climatology ▪ Ecology & Wildlife  
Conservation ▪ Geological Engineering  
▪ Geospatial Sciences ▪ Life Sciences  
▪ Marine Biology ▪ Social Sciences  
▪ Sustainability Studies

### CAREER PATH

▪ Analyst ▪ Cartographer  
▪ Conservationist ▪ Consultant Diplomat  
▪ Ecologist ▪ Environmental Scientist  
▪ Geographic Information System Officer  
▪ Hydrologist ▪ Landscape Architect  
▪ Meteorologist ▪ Urban Planner

"The truth is: the natural world is changing. And we are totally dependent on that world. It provides our food, water and air. It is the most precious thing we have, and we need to defend it."

*Sir David Attenborough*



# 9489 History



## AIM

A Level History is ideally suited for students who aspire to achieve a firm foundation for further study of History or related course. This course aim to give a wider awareness of history's conceptual understandings such as cause and effect, change and continuity, similarity and difference, significance, and interpretations.

Students will be exploring a variety of approaches to different aspects of history and different interpretations of particular historical issues. They are encouraged to bring forward their views and opinions on certain topics and issue that arises during the historical events.

At the end of the course, students are expected to have an empathy with people living in different places and at different times.

## WHAT WILL I LEARN

A Level History offers depth, variety and challenging nature that would be give students an edge to apply in various leading education institution. A must-have subject to progress into social science and humanities courses, A Level History emphasize on the historical events and the effects it had on world relations.

Students would cover 'Empire and the emergence of world powers, 1870-1919', The League of Nations and international relations in the 1920s' and 'China and Japan, 1912-45' before moving on to various events and prominent individuals in Europe and their impact on countries, communities and the world.

The focus is and has been on historical knowledge along with historical research abilities. As part of their studies, students gain a knowledge of cause and effect, continuity and change, resemblance and difference, and historical evidence.

## COMPLEMENTING SUBJECT



**9709**  
GEOGRAPHY



**9695**  
LITERATURE IN ENGLISH



**9609**  
BUSINESS STUDIES



**9708**  
ECONOMICS

## KEY CONCEPT

Cause & consequence	● ● ● ● ●
Change & continuity	● ● ● ●
Similarity & difference	● ● ● ● ●
Significance	● ● ● ● ●
Interpretations	● ● ● ● ●

"We are not makers of history.  
We are made by history."  
*Martin Luther King, Jr.*

"History will be kind to me for I  
intend to write it."  
*Winston Churchill*

### FUTURE STUDY

- English Literature ▪ Film and History
- Media Studies ▪ Theatre & Drama Studies ▪ Art History ▪ Law ▪ Liberal Arts
- Economics ▪ Political Studies
- Journalism

### CAREER PATH

- Academic Researcher ▪ Historian
- Librarian ▪ Solicitor Lawyer
- Broadcast Journalist ▪ Ecologist
- Doctor ▪ Forensic Scientist ▪ Lecturer
- Marine Biologist ▪ Microbiologist
- Medical Assistant ▪ Pharmacologist

9695

# Literature in English



## AIM



The aim for every course is definitely to provide enjoyment to its learners. A Level Literature in English entertain its devotees by building a firm foundation on English literature to a point where learners are able to communicate effectively, accurately and appropriately in regards to the text.

Students will develop the interdependent skills of reading, analyzing and communicating whilst able to analyse and evaluate the methods writers use in creating meanings and effects.

Apart from that, this course aims to produce University applicants that are able to demonstrate a sound knowledge of the English literature in a variety of genres from various eras and cultures.

## WHAT WILL I LEARN



Cambridge International AS & A Level Literature in English offers the opportunity to explore further and gain in-depth understanding of international poetry, prose and drama, with students exploring all genres at both levels.

From time to time, students will engage critically and creatively to the work of great and influential writers. Various 'surgeries' will be conducted to a wide range of inspiring texts from these prominent figures as learners puncture their way into the depth and breadth of literary study.

Expect a lively and stimulating classroom discussion each day as learners are encouraged to practice their skill of analysis and interpretation of texts, alongside their expression of personal response to the texts studied.

## COMPLEMENTING SUBJECT


**9479**

ART &amp; DESIGN


**9609**

BUSINESS STUDIES


**9489**

HISTORY

## KEY CONCEPT



Language	● ● ● ● ●
Form	● ● ● ●
Structure	● ● ● ● ●
Genre	● ● ● ● ●
Context	● ● ● ●
Style	● ● ● ● ●
Interpretation	● ● ● ● ●

"It matters not what someone is born, but what they grow to be."  
J.K. Rowling

There are books of which the backs and covers are by far the best parts.  
Charles Dickens

### FUTURE STUDY

▪ Business and Finance ▪ Drama and Theatre Studies ▪ History ▪ Journalism  
▪ Law ▪ Media Studies ▪ Politics  
▪ Psychology ▪ Public Relations  
▪ Publishing ▪ Sociology

### CAREER PATH

▪ Advertising Account ▪ Archivist  
▪ Copywriter ▪ English Teacher  
▪ Freelance Writer ▪ Interpreter  
▪ Journalist ▪ Lawyer ▪ Paralegal  
▪ Public Relations ▪ Publisher  
▪ Social Media Manager

9709

# Mathematics



## AIM

Students that choose A-Level Mathematics will find it captivating and enriching and will gain a lot of confidence and knowledge. They will be able to relate the application of mathematical concepts to everyday life and develop greater understanding of proof, problem solving, modelling and mathematical communication.

This course will challenge students to analyse problems in a logical and structured manner, recognise how variables are used over time, make inferences and deductions, and use mathematical methods in a competent and efficient manner to arrive at clear solutions. Arriving at the solutions is not the end goal, but understanding the underpinnings of why and how, and of course the magnitude of the solution is just as important to us in their learning.

## WHAT WILL I LEARN

Fundamental to Science and Technology, Mathematics boasts of the study of algebra, geometrical techniques, calculus, and exploration of mechanical and statistical methods. In this course, students will delve deeper into building upon their existing mathematical knowledge which will branch into Pure and Applied Mathematics. As part of Pure Mathematics, students will learn about the different uses of functions, how geometrical problems can be solved using a wide variety of techniques. A detailed breakdown of calculus and trigonometric methods, along with their graphical components, and develop a solid foundation for solving problems involving vectors and manipulating and working with imaginary numbers.

Students will also get the opportunity to share and reflect on the ideas and work developed by quite a few famous mathematicians such as Newton, Leibniz, Al-Khwarizmi, Euler, Gauss, Pascal, Napier and many others. As for Applied Mathematics, students will focus on the application of mathematical concepts to everyday life. Particular focus will be given to modelling and how mathematical models can be set up, the importance of stating and critiquing assumptions, and applying mathematical methods to formulating solutions.

At the end of the course, students will be able to appropriately sequence mathematical methods in solving problems, demonstrate fluency in communicating mathematically, and be able to relate mathematics to a wider context.

## COMPLEMENTING SUBJECT

**9608**

COMPUTER SCIENCE

**9609**

BUSINESS STUDIES

**9701**

CHEMISTRY

**9702**

PHYSICS

## KEY CONCEPT

Problem solving	● ● ● ● ●
Communication	● ● ● ● ●
Mathematical	● ● ● ● ●
Modelling	● ● ● ●

### FUTURE STUDY

▪ Actuarial Science ▪ Aeronautical Engineering ▪ Chemical Engineering  
▪ Civil Engineering ▪ Economics  
▪ Electrical Engineering ▪ Engineering  
▪ Mathematics ▪ Mechanical Engineering ▪ Physics ▪ Statistics

### CAREER PATH

▪ Actuarial Analyst ▪ Aerospace Engineer ▪ Astronomer ▪ Data Analyst  
▪ Financial Manager ▪ Game Designer  
▪ Investment Analyst ▪ Meteorologist  
▪ Quantity Surveyor ▪ Software Engineer ▪ Statistician

"Mathematics is the queen of the sciences"

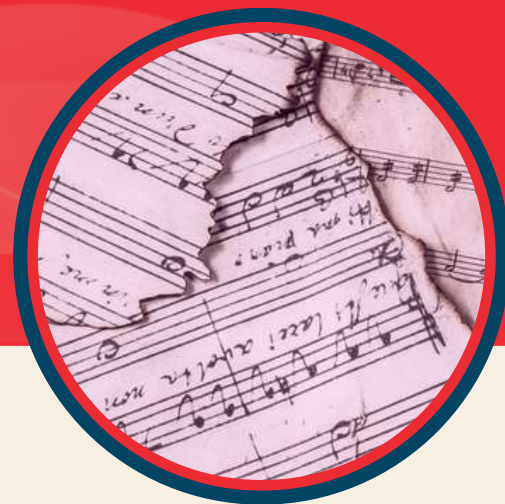
*Carl Friedrich Gauss*

"If people do not believe that mathematics is simple, it is only because they do not realize how complicated life is"

*John von Neumann*



# 9483 Music



## AIM

With a healthy network of industry experts in the field, Sri KDU International School, Subang Jaya have had various musical coaching for all year group ensuring ease transition for progression. In A Level Music, the aims are to:

- develop appreciation of music, through listening, composing and performing
- develop aural appreciation of a variety of Western and non-Western music styles, genres and traditions
- encourage an informed critical response to music
- develop creative and interpretative skills through composing and performing in Western and/or non-Western traditions
- deepen understanding of music in its wider cultural context
- communicate understanding confidently, supporting judgements with evidence-based argument
- develop the skills and understanding needed for the study of music in higher education and/or lifelong learning.

## WHAT WILL I LEARN

Cambridge International AS & A Level Music provides opportunities for learners to develop and improve their musical skills in a wide range of music styles and traditions.

It allows learners to explore and build on their musical interests and knowledge. The syllabus encourages independent expression and the development of a critical, analytical, and reflective practice. It is designed to accommodate a range of music and resources, and the different skills and interests of teachers and learners.

## COMPLEMENTING SUBJECT


**9479**

ART &amp; DESIGN


**9482**

DRAMA


**9489**

HISTORY


**9695**

LITERATURE IN ENGLISH

## KEY CONCEPT

Listening	● ● ● ● ●
Performing	● ● ● ● ●
Composing	● ● ● ● ●
Critical Reflection	● ● ● ●

### FUTURE STUDY

- Music Technology ▪ Art and Theatre
- Musical Theatre ▪ Education
- Drama ▪ English ▪ Communication and Media Studies ▪ Composition
- Ethnomusicology ▪ Historical Music ▪ Musicology ▪ Music Theory

### CAREER PATH

- Professional Musician ▪ Sound Technician ▪ Music Therapist ▪ Teacher
- Arts Administrator ▪ Composer ▪ Sound Engineer ▪ Special Effects Technician
- Radio Producer ▪ Music Therapist
- Orchestra Ensembles

*"Music expresses that which cannot be put into words and that which cannot remain silent."*

*Victor Hugo*

# 9702 Physics



## AIM

A Level Physics is a journey to mold its students to understand the relevant physics practices in everyday life and how it is safely and efficiently practiced. Students will develop a good positive attitude toward science that includes concern for accuracy and precision, objectivity, integrity, a spirit of inquiry, initiative, and ingenuity.

The pathway in A Level Physics will cultivate interest and care to the environment by the implication of its studies and application to the setting. Students are required to engage in cooperative and cumulative activities while being bound by social, economic, technological, ethical, and cultural factors. Through participation in these activities, students will obtain an understanding of how the application of physics may benefit and harm individuals, communities, and the environment.

## WHAT WILL I LEARN

If you are looking for a subject that blends practical skills and theoretical ideas to draw conclusion to a physical concept while enjoy rearranging mathematical equations and playing with numbers, then A Level Physics is for you.

Physics broadens the mind to imagine a world beyond limitation. Students will enter the realm of physics studies and engage in exciting topics such as kinematics, cosmology and particle physics.

To truly understand how the world of physics work, students are encouraged to participate in various discussion to make predictions and solve complex problems while they explore the world at all scales.

A solid foundation of Physics involve mathematic as the language that is used to express physical principles and models. It is also a tool to analyse theoretical models, solve quantitative problems and produce predictions.

## COMPLEMENTING SUBJECT



**9608**

COMP SCIENCE



**9700**

BIOLOGY



**9701**

CHEMISTRY



**9709**

MATHEMATICS

## KEY CONCEPT

Models of Physical Systems  
Testing Predictions Against  
Evidence  
Mathematics: Language &  
Problem-Solving Tool  
Matter, Energy and Waves  
Forces and Fields

### FUTURE STUDY

▪ Aerospace Engineering ▪ Astronomy  
▪ Astrophysics ▪ Mathematical Physics  
▪ Medical Science ▪ Nanotechnology  
▪ Particle Physics ▪ Quantum Physics  
▪ Science Education ▪ Software  
Engineering ▪ Sound Engineering

### CAREER PATH

▪ Academic Researcher ▪ Acoustic  
Consultant ▪ Aerospace Engineer  
▪ Astronomer ▪ Clinical Scientist  
▪ Meteorologist ▪ Research  
Scientist ▪ Software Engineer ▪ Sound  
Engineer ▪ Technical Author

"A rainbow is the product of  
physics working for your  
appreciation of beauty"  
Kyle Hill

"Energy is liberated matter,  
matter is energy waiting to  
happen."  
Bill Bryson

9990

# Psychology



## AIM

Psychology (which comes from the 2 words Psyche and Logos (the scientific study of the mind and behaviour) has four main goals: describe, explain, predict and change behaviour.

The aim of Psychology is to allow students to engage with four core areas of psychology: biological, cognitive, social and learning approaches. Students studying psychology deepen their knowledge through a choice of two options from clinical psychology, consumer psychology, health psychology or organisational psychology, this encourages students to consider the relationships between psychological findings and everyday life. Through the study of psychology student become confident, independent and reflective learners.

## WHAT WILL I LEARN

A Level Business introduces students to the fundamental principles of all business. The first part of the course covers the four main business functions: Marketing, Finance, Operations and Human Resources. It outlines the way businesses have to co-ordinate, measure, and adjust these four to remain competitive but profitable. The second half cover on how to measure corporate performance, analyse changing external influences on business including technology, competition, the economy, and globalisation and finally to compare how different businesses manage change. Students will learn to analyse real life business case studies (Apple, Uber, Pret, Sainsbury, Dominoes), calculate and compare business performance and even make business decisions.

## COMPLEMENTING SUBJECT



**9700**  
BIOLOGY



**9701**  
CHEMISTRY



**9708**  
ECONOMICS



**9609**  
BUSINESS STUDIES

## KEY CONCEPT

Brain and Behaviour ● ● ● ● ●  
Individual Differences ● ● ● ● ●  
Group behaviour ● ● ● ● ●

### FUTURE STUDY

▪ Psychology ▪ Sociology ▪ Medicine  
Clinical Sciences ▪ Politics  
▪ Philosophy and Economics ▪ Social  
Studies ▪ Anthropology ▪ Politics  
▪ Human Resource ▪ Public  
Affairs ▪ Business Studies

### CAREER PATH

▪ Psychologist ▪ Psychiatrist ▪ Clinical  
Psychologist ▪ Politician ▪ Counsellor  
Teacher ▪ Organisational Psychologist  
▪ Forensic Psychologist ▪ Sports  
Psychologist ▪ Business and Marketing  
Manager

*"Intelligence is not what we know. It is what we do when we don't know"*  
*Jean Piaget*





# SIJIL PELAJARAN MALAYSIA – SPM (BAHASA MALAYSIA)

## AIM

The SPM (Sijil Pelajaran Malaysia) Bahasa Malaysia syllabus will be offered to students planning to pursue careers in Malaysia or continue study in local universities. The students will also be exposed to Bahasa Malaysia literature to increase their knowledge and understanding of novels, short stories, and other literary works in the language. Students are encouraged to become appreciative and critical readers and writers of Bahasa Malaysia.

Students will develop the interdependent skills of reading, analyzing and communicating whilst able to analyse and evaluate the methods writers use in creating meanings and effects. Skills of analysis and evaluation are also developed alongside the ability to think independently. In order to prepare students for the rigorous demands of SPM Bahasa Malaysia, the Department aims to instil in students the importance of wider reading.

## WHAT WILL I LEARN

SPM Bahasa Malaysia offers the opportunity to explore further and gain in-depth understanding of international poetry, prose and drama, with students exploring all genres at both levels.

Writing skills will be assessed based on their ability to construct sentences creatively, grammatically correct and accurate use of discourse markers. Additionally, emphasis is placed on student's ability to read and comprehend the text.

Bahasa Malaysia (speaking) factor in key concepts such as grammar, vocabulary, pronunciation, intonation, tone, fluency and mannerism as well as concepts and interpretations

In listening, Bahasa Malaysia focuses on students' comprehension of audible information.

## COMPLEMENTING SUBJECT

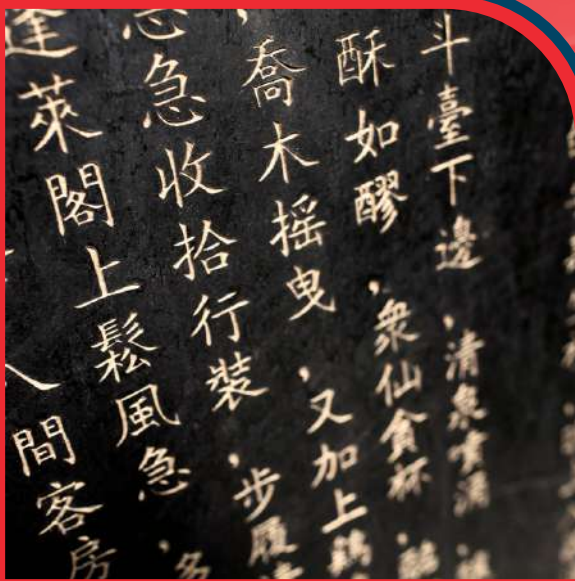
ALL A LEVEL SUBJECT

### FUTURE STUDY

Various courses in local public and private universities depending on combination of A Level subjects

### CAREER PATH

Various career in both public and private industries depending on higher education course selection



# HANYU SHUIPING KAOSHI (HSK)

## AIM

HSK is an international standardized Chinese language test organized by Center Language Education and Cooperation. The aims to measure the ability of non-native Chinese speakers to communicate in Chinese in living, academic, and working settings. Since 1990, it has witnessed 4.10 million takers, becoming an important facilitator for applying to studying in China, and teaching assessment and criteria of employment, pay increase and promotion for more and more government and multinationals.

## CHINESE LANGUAGE TESTS

While helping test takers realize dreams, Chinese Language Tests have always been incorporating advanced international testing and technologies to improve itself. Scientific and standardized questions assure accurate assessment over teaching and learning.

The smart Chinese Test Item Research and Development (R&D) System expands the source of questions and guarantees the quality. The registration system is simple to use and it is easy for test taker to register for test.

## COMPLEMENTING SUBJECT

ALL A LEVEL SUBJECT

### FUTURE STUDY

Various courses in local public and private universities depending on combination of A Level subjects

### CAREER PATH

Various career in both public and private industries depending on higher education course selection

"Learn as though you would never be able to master it; hold it as though you would be in fear of losing it."




Confucius



\*CORRECT AT THE TIME OF PRODUCTION. SUBJECT TO CHANGE.  
7TH NOVEMBER 2025



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