



IGCSE

GUIDED CHOICES

A GUIDE TO IGCSE SUBJECTS, OFFERING INSIGHT INTO EACH COURSE TO MAKE THE GRADE AT SRI KDU SUBANG JAYA





ROUTE TO SUCCESS

Sri KDU International School, Subang Jaya, offers the globally recognised Cambridge IGCSE with a flexible timetable, tailored yearly to meet student needs.

We help students choose a pathway to Appreciate, Aim, and Accomplish, ensuring the best route to success in their IGCSEs.

MAKE THE GRADE

Students will be guided into new ways of learning by excellent teachers to reach their potential, acquiring the right knowledge and skills. The School will also maintain pastoral care and the 'whole child' philosophy that permeates the school.



All Sri KDU Subang Jaya students are expected to study between 7 to 11 IGCSE subjects.
 Compulsory Subjects are: English, Mathematics, Science and one other language.
 There are three pathways available for English and Science and two for Mathematics.

ENGLISH

English as a First Language & English Literature
 Students will earn TWO (2) IGCSEs on this path.

English as a First Language
 Students will earn ONE (1) IGCSE on this path.

English as a Second Language
 Students will earn ONE (1) IGCSE on this path.

MATHEMATICS

Mathematics
 Students will earn ONE (1) IGCSE on this path

***Advanced Mathematics (Additional Mathematics)**
 Students will earn ONE (1) IGCSE on this path

SCIENCE

Coordinated Science
 Students will earn TWO (2) IGCSEs on this path

***3 Separate Sciences**
 Students will earn THREE (3) IGCSEs on this path.

***2 Separate Sciences**
 Students will earn TWO (2) IGCSEs on this path.

Certain *subject choices will need to be agreed and approved by the Heads of Department.

SAMPLE SUBJECT BLOCK

Block 1

Block 2

Block 3

Accounting

Accounting

Business Studies

Computer Science

Art

Economics

Geography

Business Studies

Geography

Drama

History

Music*

ICT

PE

*subject to demand

Bahasa Malaysia

Malay as a First Language
 Students will earn ONE (1) IGCSE on this path

Malay as a Modern Foreign Language (MFL)
 Students will earn ONE (1) IGCSE on this path.

Mandarin

Mandarin as a First Language
 Students will earn ONE (1) IGCSE

Mandarin as a Second Language
 Students will earn ONE (1) IGCSE

Mandarin as a Modern Foreign Language (MFL)
 Students will earn ONE (1) IGCSE

French

French as a Modern Foreign Language (MFL)
 Students will earn ONE (1) IGCSE.

ART & DESIGN

(0400)

UNITS / TOPICS

- Painting and Related Media,
- Graphic Communication
- Three-Dimensional Design
- Textiles and Fashion
- Photography

WHAT WILL YOU STUDY & LEARN

- Creative skills: Students can develop their own unique body of work.
- Technical skills: Students can develop technical skills in two- and three-dimensional form and composition.
- Critical understanding: Students can develop a critical understanding of art.
- Problem-solving skills: Students can develop the ability to identify and solve problems in visual and tactile forms.
- Communication skills: Students can develop the skills to explore, create, and communicate their ideas.

ASSESSMENT

Component 1 - Portfolio (60% marks)

- A sustained project developed over time, showing research, development, experimentation, and a final piece.
- Can include sketchbooks, photography, 3D work, digital art, etc.
- Assessed on four Assessment Objectives (AOs):
 - a. Develop ideas through investigations & artists' studies.
 - b. Refine work using experimentation with materials and techniques.
 - c. Record ideas through drawing, annotation, and photography.
 - d. Present a personal and meaningful final outcome.

Component 2: Externally Set Assignment (40% marks)

- AQA releases a theme (e.g., "Journeys", "Reflections") in January.
- Students develop ideas over a preparatory period (around 10 weeks).
- Final piece is completed in a 10-hour supervised exam.
- Marked using the same four AOs as Component

**Please note that we are in consultation with AQA Oxford and may change the exam board for this subject.*

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BUSINESS STUDIES

(0450)

UNITS / TOPICS

- Understanding Business Activity
- People in Business
- Marketing
- Operations Management
- Financial Information and Decisions
- External Influence and Decisions

WHAT WILL YOU STUDY & LEARN

The Cambridge IGCSE Business Studies syllabus develops learners' understanding of business activity in the public and private sectors, and the importance of innovation and change. Learners find out how the major types of business organisation are established, financed and run, and how their activities are regulated. Factors influencing business decision-making are also considered, as are the essential values of cooperation and interdependence.

Throughout the course, students will be learning about the different forms of business organisations, operations environment, and the role of the people behind the curtain. A study on business plans, identifying the fall of businesses and characteristic of successful entrepreneurs will be tackled early on through various individual and group activities showcasing students collaborative and leadership skills along the way. Contrary to popular belief, Business Studies is not all facts and figures on paper. Students are encouraged to build lifelong skills such as analytical skills, debating flairs, teamwork and out of the box thinking

ASSESSMENT

Paper 1

(1 hour 30 minutes)

Written examination consisting of four questions requiring a mixture of short answers and structured data responses. Candidates answer all questions weighted at 50% of total available marks.

Paper 2 Structured questions

(2 hours 15 minutes)

Written examination consisting of four questions based on a case study, provided as an insert with the paper, weighted at 50% of total available marks.

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COMPUTER SCIENCE

(0478)

UNITS / TOPICS

- Data representation
- Communication and Internet technologies
- Hardware and software
- Security
- Ethics
- Algorithm design and problem-solving
- Programming Concepts
- Databases

WHAT WILL YOU STUDY & LEARN

The prime question perhaps is "What is the difference between Computer Science and Information, Communication and Technology (ICT)?" To illustrate this confusion, we will need to look at how both lessons focus on. In ICT Lesson, students would use computers to solve an issue while in Computer Science, students will learn about the algorithmic thinking and computer programming.

IGCSE Computer Science provides students with an understanding of programming as well as the use of hardware and software in organisations. 50% of the course involves hands on practical lessons which involve assembling computer-based solutions using a high-level programming language such as Python.

Students will acquire in-depth programming practical exercises and better understanding of algorithms by practising on past year paper questions. W3school Online and Jamboard are among the online resources that will be used for collaborative diagnosing activities.

ASSESSMENT

Paper 1 : Theory

(1 hour 45 minutes)

Short-answer and structured questions

All questions are compulsory

*Externally assessed

Paper 2 : Problem Solving and Programming

(2 hours 30 minutes)

Short-answer and structured questions

All questions are compulsory

*Externally assessed

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UNITS / TOPICS

Reading

- Comprehension and Use of Language
- Directed Writing
- Classical Chinese

Writing

- Argumentative/Discursive Writing
- Descriptive/Narrative Writing

WHAT WILL YOU STUDY & LEARN

Chinese Mandarin First Language will introduce students to articles from a wide range of genres, including fiction and non-fiction, along with reviews, essays, and Classical Chinese texts. Learners will focus on writers' usage of language and style. They will demonstrate their findings and apply the structure to their writing to showcase an influential edge in their text. In addition, learners are encouraged to explore tone and style while maintaining appropriate context for their writing.

Chinese Mandarin First Language learners will develop the ability to read critically and leverage insights acquired through extensive reading to enhance their own writing. Additionally, learners will hone their proficiency in engaging with information and ideas in Chinese, cultivating skills in critical evaluation, analysis, synthesis, and inference. This process will not only deepen their understanding but also foster an appreciation for Chinese culture and classical texts.

ASSESSMENT

Paper 1 : Reading, Directed Writing and Classical Chinese (2 hours 15 minutes)

Candidates answer all the questions in three compulsory sections. Candidates write all their answers in the spaces provided on the question paper. Dictionaries may not be used

Paper 2 : Writing (Argumentative/Discursive Writing & Descriptive /Narrative Writing (2 hours)

Candidates answer two questions, one from each section.

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UNITS / TOPICS

- Reading & Writing
- Listening
- Speaking

WHAT WILL YOU STUDY & LEARN

Cambridge IGCSE Chinese as a Second Language will enable learners to become independent users of Chinese and to use Chinese to communicate effectively in a variety of practical contexts.

Students are expected to build a sound knowledge of the language skill at the end of the course as a foundation for further study using Chinese as the medium.

Cambridge IGCSE Second Language Chinese Mandarin guide students to be able to extract vital and relevant information from a broader range of materials. Learners would be completing writing tasks on vast range of themes and engage in various speaking activities.

Learners will practice everyday context communication including schooling environment, current issue, leisure activities and cultural diversity among others.

ASSESSMENT

Paper 1 : Reading & Writing (2 hours)

Written examination consisting of five exercises that test a range of Reading and Writing Skills. Types of task include: information transfer, short-answer questions, multiple-matching, functional writing and extended writing.

Paper 2 : Listening (35 - 45 minutes)

Candidates listen to recordings of short and longer spoken texts. Types of task include: short-answer questions, gap-fill sentences, information correction and multiple choice questions.

Paper 3 : Speaking (10-13 minutes)

The Speaking test consists of three parts: candidates give a two- to three-minute presentation, followed by a short discussion with the examiner about the presentation, followed by a short conversation with the examiner about general topics.

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UNITS / TOPICS

- Everyday activities.
- Personal and social life.
- The world around us.
- The world of work.
- The international world.

WHAT WILL YOU STUDY & LEARN

Learners are encouraged to be able to use a foreign language (Mandarin) as a means of practical communication. It is imperative that they gain insight into the culture and civilisation of countries where the language is spoken while capable of applying different learning technique, such as analysis and memory skills. Furthermore, learners will experience a positive attitude towards language learning, speakers of other languages, and other cultures.

The aim at the end of the course is for students to be able to effectively use this language to communicate in a practical manner. At the same time, students will engage in various roleplays and reading exercises to form a basis of the language.

Insights to the nature of language used and practised in an enjoying and intellectual discussion would encourage positive attitudes to speakers of other language. Apart from that, students would develop transferable skills (e.g. analysis, memorizing or drawing of inferences) to complement other areas of the curriculum.

ASSESSMENT

Paper 1 : Listening

(40 minutes)

Candidates listen to a number of recordings and answer multiple-choice and matching questions.

*Externally assessed

Paper 2 : Reading

(1 hours 15 minutes)

Candidates read a number of texts and answer multiple-choice and matching questions as well as questions requiring short answers.

*Externally assessed

Paper 3 : Speaking

(10 minutes)

Candidates complete one role play and conversations on two topics.

*Internally assess and externally moderated

Paper 4 : Writing

(1 hours 15 minutes)

Candidates complete one form-filing task, one directed writing task and one task in the format of an email/letter or article/blog.

*Externally assessed

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DRAMA

(0411)

UNITS / TOPICS

- Elements of practical drama
- Published plays extracts,
- Original dramatic material
- Evaluation of devising process
- Staging and design
- Individual and group performance skills

WHAT WILL YOU STUDY & LEARN

IGCSE Drama focuses on promoting and developing the enjoyment and knowledge of drama and theatre to compliment many chosen career paths. The course explores and enriches each candidate's understanding of dramatic processes, devising techniques, performance styles and directing. Learners develop vocabulary to provide analytical and evaluative responses to various drama performances. The course embeds many opportunities for candidates to build confidence, researching skills, teamwork and communication. Candidates will be learning through a combination of practical and theory lessons, as this approach strengthens an understanding of a specific play text, devised stimuli and exam questions.

ASSESSMENT

Component 1 - Written Paper

(2 hours 30 minutes)

Section A - answer up to 8 questions

(based on extract from a studied play text)

Section B - answer 2 questions (based on extract from a studied play text)

Section C - answer 2 questions (based on devised piece students created for Component 2)

*Externally assessed

Component 2 - Performance Coursework

Individual performance based on an extract from a play.

2. Group performance based on an extract from a play.

3. Group performance based on an original devised piece.

*Internally and externally assessed

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UNITS / TOPICS

- Basic economics: choice and the allocation of resources
- The allocation of resources
- The individual as producer, consumer and borrower
- The private firm as producer and employer
- Role of government in economy
- Economic indicators
- Developed and developing economies:

WHAT WILL YOU STUDY & LEARN

The Cambridge IGCSE Economics syllabus develops an understanding of economic theories, terminologies and principles. Learners study the economics of different countries and how these interrelate. They also learn to work with simple economics data and to use the tools of economic analysis. Learners apply understanding of economics to current economic issues.

Learners will enjoy the different perspective on economic concepts and theories that applies to a range of economic issues locally, nationally and globally. IGCSE Economics encourages students to conduct research, discuss and investigate how actions of certain parties would affect an industry. It is also a game of numbers and statistics. Students are expected to have the ability to decipher and understand characteristics and patterns of any scenario in any given case study.

ASSESSMENT

Paper 1 : Multiple Choice

(45 minutes)

Candidates answer all 30 multiple-choice questions. Candidates indicate their answers on the multiple choice answer sheet provided. The questions are based on all six sections of the syllabus content. The questions may include calculations.

Paper 2 : Structured Question

(2hours 15 minutes)

Candidates answer one compulsory question, which requires them to interpret and analyse previously unseen data relevant to a real economic situation, and three optional questions from a choice of six.

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UNITS / TOPICS

- Develop the ability to communicate clearly, accurately and effectively when speaking and writing
- Use a wide range of vocabulary with the correct grammar, spelling and punctuation
- Develop a personal style and an awareness of the audience being addressed.

WHAT WILL YOU STUDY & LEARN

Cambridge IGCSE First Language English offers candidates the opportunity to respond with understanding to a rich array of reading texts during the course as a whole. Candidates will use these texts to inform and inspire their own writing, and write in a range of text types for different purposes and audiences. Candidates will develop both their speaking and their listening skills, delivering a presentation, and responding to questions and engaging in conversations. Candidates are encouraged to become appreciative and critical readers, writers, speakers and listeners.

Teaching methods for in-class, hybrid, and online classes include pair and group activities, role plays, analysing texts and reports, individual and group presentations, research, creating videos, using a range of online tools and platforms, and many more. Differentiated activities and individual assistance are also given to students who may find some exercises challenging in the beginning of the course and are willing to put in the extra effort.

ASSESSMENT

Paper 1 : Reading

(2 hours)

Structured and extended writing questions. Questions will be based on three reading texts.

Show that you understand the explicit (more obvious) meanings communicated in a particular text, recognise hints and suggestions in a text to understand the implicit (more subtle) meanings and attitudes and evaluate and analyse the facts, ideas and opinions you read by using, explaining and developing them (and referring to supporting evidence from the text where it is appropriate)

Paper 2 : Directed Writing & Composition

(2 hours)

Paper 2 of the Cambridge IGCSE First Language English exam focuses on students' ability to write effectively and creatively. It is also worth 50% of the total exam mark, contributing 80 marks. This paper includes an extended writing question and a composition task, which test students' skills in producing clear, structured, and engaging written content. The directed writing task asks students to respond to a specific prompt with a well-organized piece of writing, such as a letter, article, or report. The composition task allows students to showcase their creativity and ability to write for different purposes, whether through narrative, descriptive, or argumentative writing. Like Paper 1, Paper 2 is externally assessed to ensure a fair and objective evaluation of students' writing abilities.

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UNITS / TOPICS

- Develop learners' ability to use English effectively for the purpose of practical communication
- Form a solid foundation for the skills required for further study or employment using English as the medium
- Develop learners' awareness of the nature of language and language-learning skills
- Promote learners' personal development.

WHAT WILL YOU STUDY & LEARN

Cambridge IGCSE English as a Second Language is designed for learners who already have a working knowledge of the language and who want to consolidate their understanding in order to progress in their education or career. Through their studies, learners will improve their ability to understand and use English in a range of situations. The aim is to achieve a level of practical communication ideal for everyday use, which can also form the basis for further, more in-depth language study.

Each lesson emphasizes both language and creativity. Students will work on projects that will build their creativity and critical thinking according to theme or societal issues and concerns. When discussing contemporary issues or exciting themes, debates are a common form of discussion in the classroom. Learners would often analyse themes and events in short stories to develop critical thinking. Further to that, they relate to personal experience and non-fictional texts to help write reports and articles.

ASSESSMENT

Paper 1 : Reading & Writing (Written Paper) **(2 hours)**

This paper contains six exercises - four reading exercises and two writing exercises. The reading questions will include a range of text types (e.g., articles, blogs, reports) and comprise of multiple-choice and matching questions, as well as some questions requiring short answers in English.

The two writing exercises both require candidates to write 120-160 words of continuous prose. Candidates respond to short stimulus and to short prompts in the question paper.

Paper 2 : Listening **(50 minutes)**

This paper consists of five exercises, and a total of 40 questions. All questions are multiple choice, and candidates answer each one by selecting the correct option.

Paper 3 : Speaking **(10 - 15 minutes)**

Internally assessed/externally moderated. The test will be conducted in English.

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LITERATURE IN ENGLISH

(0475)

UNITS / TOPICS

- Show detailed knowledge of the content of literary texts in the three main forms
- Understand the meanings of literary texts and their contexts, and explore texts beyond surface meanings to show deeper awareness of ideas and attitudes
- Recognise and appreciate ways in which writers use language, structure and form to create and shape meanings and effects.
- Communicate a sensitive and informed personal response to literary texts

WHAT WILL YOU STUDY & LEARN

Cambridge IGCSE Literature in English offers learners the opportunity to read, interpret, evaluate and respond to a range of literature in English. The range includes drama, prose and poetry from the works of Shakespeare to contemporary literature. This course enables learners to deepen their understanding and appreciation of the ways in which writers use English to express meaning and achieve effects. Cambridge IGCSE Literature in English will stimulate learners to read for pleasure and to explore wider and universal issues, promoting a better understanding of themselves and the world.

Literature in English made demands for its learner to be able to manage their time in planning and researching a literature extract. It will further benefit learners to work independently and collaborate in groups to finish any task given.

ASSESSMENT

Paper 1: Poetry and Prose (50 marks) **(1 hour 30 minutes)**

Section A: Poetry (25 marks)

Students choose one question. They will have a choice of two poems selected from 15 poems from their anthology (*Songs of Ourselves - Volume 1 Part 4*). The poem is printed on the paper.

Section B: Prose (25 marks)

Students choose one question based on their novel (*War of the Worlds*). They will have a choice of two. One extract or full text question. The extract is printed on the paper.

Paper 2 : Drama **(1 hours 30 minutes)**

Students answer two questions on two different plays (*A Streetcar Named Desire* and *A Midsummer Night's Dream*) each worth 25 marks. Students must answer one extract question and one full play question. They are given a choice between two (Extract or Full) for each play. The extract is printed on the paper.

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UNITS / TOPICS

- Everyday activities
- Personal and social life
- The world around us
- The world of work
- The international world

WHAT WILL YOU STUDY & LEARN

This course is designed for International students who are learning French as a foreign language. The aim is to develop an ability to use the language effectively for practical communication. The course is based on the linked language skills of listening, reading, speaking and writing, and these are built on as learners' progress through their studies. Providing insights into the culture and civilisation of French, lessons would foster good attitudes toward speakers of other language.

Students would exercise vocabulary and grammar through various lessons focusing on 4 pillars (Speaking, Listening, Writing and Reading). In the 2 years of French IGCSE, basic communication such as ice breaker conversation, friends and family description and giving direction and instruction will be starting point. Learners would listen to conversation in French, collaborate in role-playing exercise, The language gym provides tons of example and exposure to lessons.

ASSESSMENT

Paper 1 : Listening (45 minutes)

Candidates listen to a number of recordings and answer multiple-choice and matching questions.

*Externally assessed

Paper 3 : Speaking (10 minutes)

Candidates complete one role play and conversations on 2 topics.

*Externally assessed

Paper 2 : Reading (1 hour)

Candidates read a number of texts and answer multiple-choice and matching questions as well as questions requiring short answers.

*Externally assessed

Paper 4 : Writing (1 hour)

Candidates complete one form-filling task, one directed writing task and one task in the format of an email/letter/blog.

*Externally assessed

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GEOGRAPHY

(0460)

UNITS / TOPICS

Physical Geography

- Changing river environments
- Changing coastal environments
- Changing ecosystems
- Tectonic hazards
- Climate change

Human Geography

- Changing populations
- Changing towns and cities
- Development
- Changing economies
- Resource provision

WHAT WILL YOU LEARN

The IGCSE Geography course helps students understand the world by linking natural processes with human activities, focusing on three main themes: Environment, Population, and Economy. In Physical Geography, students study how rivers shape the land, how coasts change over time, the impact of human activity on ecosystems, natural hazards like earthquakes and volcanoes, and the effects of climate change. In Human Geography, they explore population changes and migration, urban growth and city development, how countries progress over time, economic activities such as jobs and trade, and the use and management of natural resources.

Learning Geography offers a multitude of benefits, both in terms of skills development and its application to various aspects of life. Geography provides a holistic understanding of the world, including its physical features, human societies, and interconnected ecosystems. The teaching approach incorporates theoretical explanations complemented by multimedia elements such as videos, debates, and group discussions. Students actively engage with global affairs through case study inquiries and are encouraged to stay informed by listening to the daily BBC Global News podcast. Beyond traditional classrooms, students participate in field activities and mapwork to hone practical skills in data collection and analysis. Geography not only provides valuable skills and knowledge but also fosters a mindset crucial for navigating a dynamic world. Whether you have specific career goals or interests, Geography offers a versatile foundation to achieve them.

ASSESSMENT

Paper 1 : Physical Geography

(1 hour 45 minute)

Structured questions containing short answer and extended response items. Some items are based on source material.

*Externally assessed

Paper 2 : Human Geography

(1 hour 45 minute)

Structured questions containing short answer and extended response items. Some items are based on source material.

*Externally assessed

Paper 4 : Geographical Investigations

(1 hour 30 minute)

Two compulsory questions containing short answer and extended response items. Some items are based on source material.

*Externally assessed

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UNITS / TOPICS

- The twentieth century: international relations since 1919
- Peace treaties of 1919–23
- The League of Nations
- The collapse of international peace
- The Cold War
- Containment of Communism
- Soviet control over Eastern Europe
- Depth Study: The USA, 1919-1941

WHAT WILL YOU STUDY & LEARN

The History IGCSE syllabus looks at some of the major international issues of the twentieth century, starting at the end of World War One, up to the end of the Cold War. In addition to this, we cover the history of the USA between 1919-41 in depth.

In this course, students explore the dynamics of cause and effect, continuity, and change, acknowledging the profound impact minor alterations can wield. Emphasizing the analysis of similarities and differences across historical events, students cultivate the ability to form informed opinions. Essential skills, including presenting well-supported views and engaging in constructive arguments, are honed. The subject promotes critical thinking by necessitating an understanding of various perspectives and the evaluation of optimal choices in historical contexts.

ASSESSMENT

Component 1: Paper 1

(2 hours)

Learners answer two questions from the core content (the first six topics) and one question from their depth study; America.

Component 2: Paper 2

(1 hour 45 minute)

Learners answer 5 source-based questions on a topic from the core content. The prescribed topic changes in each exam series

Paper 4 : Alternative to Coursework

(1hour 40 minute)

Learners answer one question out of two for the in depth topic they have studied

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UNITS / TOPICS

- Types & components of computer systems
- Input and output devices
- Storage devices and media
- Networks and the effects of using them
- The effects of using IT
- ICT applications
- The systems life cycle
- Safety and security
- Audience
- Communication
- File management
- Images
- Layout
- Styles
- Proofing
- Graphs and charts
- Document production
- Data manipulation
- Presentations
- Data analysis
- Website authoring

WHAT WILL YOU LEARN

The Information Communication Technology syllabus encourages learners to develop lifelong skills, which will be useful to them in their work across the curriculum and prepare them for future employment. They will develop understanding of the implications of technology in society, including social, economic and ethical uses and awareness of the ways ICT can help in home, learning and work environments.

The best way to learn anything is to do it. 60% of the course includes hands-on practice with word processors, spreadsheets, databases, presentation software, web browsers, and website design. These abilities are typically acquired by practise with past year papers and practical exercises.

For theory, some ways that learners will learn are by demonstration – a look inside a computer case to understand its various parts of hardware. Learners also create network models in group or as an individual to understand different types of networks.

ASSESSMENT

Paper 1 : Theory (2 hours)

Questions will be based on sections 1-21 of the subject content.

*Externally assessed

Paper 2 : Listening (2 hours 30 minutes)

Document Production, Data Manipulation and Presentations. This test assesses the practical skills needed to use the applications covered in sections 17, 18 and 19 of the subject content Candidates must demonstrate the practical skills relevant to sections

Paper 3 : Data Analysis and Website Authoring (2 hours 30 minutes)

This test assesses the practical skills needed to use the applications covered in sections 20 and 21 of the subject content Candidates must demonstrate the practical skills relevant to sections 11-16 All tasks are compulsory

*Externally assessed

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UNITS / TOPICS

- Kebudayaan
- Kesihatan
- Alam Pekerjaan
- Alam Semula Jadi
- Teknologi
- Negaraku

WHAT WILL YOU STUDY & LEARN

Cambridge IGCSE Malay as a First Language is designed to cultivate students' reading habits and enhance their use of language in a variety of contexts. Learners acquire the ability to comprehend and respond to written material, as well as to express themselves effectively in writing. These proficiencies prepare them for further education and employment opportunities. Throughout the course, Cambridge IGCSE Malay as a First Language enables students to engage with diverse texts, which they can then use as a source of inspiration and information to produce their own written works for various purposes and audiences.

The students will be taught to read a variety of texts fluently and with good comprehension skills, while also gaining an appreciation for different languages. Additionally, they will learn to read critically and use the knowledge gained from their reading to enhance their own writing skills. This will help them to write accurately and effectively in the standard Malay Language, and work with information and ideas in the Malay Language by developing skills such as critical evaluation, analysis, comparison, use, and inference. Moreover, they will acquire and apply a broad vocabulary and knowledge and understanding of grammatical terminology and linguistic conventions.

ASSESSMENT

Paper 1 : Reading & Directed Writing (2 hours)

Structured and Directed Writing

Paper 2 : Composition (2 hours)

Composition
Externally assessed

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UNITS / TOPICS

- Pengenalan Diri dan Ucapan
- Ungkapan Masa
- Keluarga dan Haiwan Peliharaan
- Rutin Sekolah
- Rumah dan Kehidupan di Tempat Tinggal
- Kampung Halaman dan Persekitaran
- Makanan, Minuman dan Makan di Luar
- Makanan dan Minuman dari Serata Dunia
- Kesihatan dan Kecergasan
- Membeli-belah
- Ukuran dan Bahan
- Rekreasi dan Hiburan
- Perayaan dan Majlis Istimewa
- Pelancongan dan Pengangkutan
- Panduan Arah
- Perkhidmatan Awam
- Tempat untuk dilawati dan Pusat Pelancongan
- Penginapan Semasa Bercuti
- Alam Semula Jadi
- Persekitaran Geografi
- Cuaca
- Cuaca Dunia
- Bertemu Orang daripada Pelbagai Latar Belakang
- Kehidupan dan Percutian di Luar Negara
- Adat dan Kebudayaan di Luar Negara
- Perancangan Kerjaya Masa Depan
- Pendidikan dan Latihan Lepas Sekolah
- Komunikasi
- Bahasa di Tempat Kerja
- Isu-Isu Dunia

WHAT WILL YOU STUDY & LEARN

The Cambridge IGCSE Malay as a Foreign Language course offers a great opportunity for students to acquire practical communication skills in a foreign language. Moreover, it provides insights into the culture and civilization of countries where the language is spoken, fostering a positive attitude towards language learning and other cultures. By applying analytical and memory skills, students can develop a strong foundation for further studies, making it a valuable addition to their lifelong skill set.

In the syllabus 0546, students will discover a range of fascinating topics that aim to enrich their understanding of the Malay Language. These topics cover various subject areas such as everyday activities, personal and social life, the world around us, the world of work, and the international world. By learning about these subject areas, students can develop their language skills in listening, speaking, reading, and writing.

ASSESSMENT

Paper 1 : Listening

(50 minutes)

Candidates listen to a number of recordings and answer multiple-choice and matching questions.

*Externally assessed

Paper 3: Speaking

(10 minutes)

Candidates complete one role play and conversations on two topics.

*Internally assessed and externally moderated.

Paper 2 : Reading

(1 hour)

Candidates read a number of texts and answer multiple-choice and matching questions as well as questions requiring short answer.

*Externally assessed

Paper 4: Writing

(1 hour)

Candidates complete one form-filling task, one directed writing task and one task in the format of an email/letter or article/blog.

*Externally assessed

For more information, please reach out to:

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Mr Travis Butler

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MATHEMATICS

(0580)

UNITS / TOPICS

- Number
- Algebra, graphs and coordinated geometry
- Geometry, mensuration, trigonometry & Vectors and Transformations
- Probability and Statistics

WHAT WILL YOU STUDY & LEARN

An essential subject for all learners, Cambridge IGCSE Mathematics encourages the development of the knowledge as a key life skill. The syllabus aims to build learners' confidence by helping them develop competence and fluency with mathematical concepts, methods and skills, as well as a feel for numbers, patterns and relationships. The syllabus also places a strong emphasis on solving problems and presenting and interpreting results. Learners also gain an understanding of how to communicate and reason using mathematical concepts.

In this course students will be exercising logic, identify problem clearly and lay out each working steps which apply appropriate technique or formula to solve mathematical issue.

Mathematics hover student to an understanding that work around numbers, geometry, probability and statistic along with countless formula in 'cracking the case'.

At the end of the term, students should be able to assess these cases and determine the correct response to engage it with.

ASSESSMENT

Paper 1 : Non Calculator (Core)
(1 hour 30 minutes) - 80 marks

*Externally assessed

Paper 2 - Non Calculator (Extended)
(2 hours) - 100 marks

*Externally assessed

Paper 3 : Calculator (Core)
(1 hours and 30 minutes) - 80 marks

*Externally assessed

Paper 3 : Calculator (Extended)
(2 hours) - 100 marks

*Externally assessed

For more information, please reach out to:

Mr Hasan Brown
Head of Mathematics
hasan.b@srikdu.edu.my

Mr Travis Butler
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ADDITIONAL MATHEMATICS

(0606)

UNITS / TOPICS

- Functions
- Quadratic functions
- Equations, inequalities and graphs
- Indices and surds
- Factors of polynomials
- Simultaneous equations
- Logarithmic and exponential functions
- Straight line graphs
- Circular measure
- Trigonometry
- Permutations and combinations
- Series
- Vectors in two dimensions
- Differentiation and integration

WHAT WILL YOU STUDY & LEARN

IGCSE Additional Mathematics is an optional mathematics course designed to extend the mathematical skills, knowledge and understanding developed in the IGCSE Mathematics course, and allow the student to learn and apply more advanced techniques. This course helps learners to develop a feel for quantity, patterns and relationships. Learners will develop their reasoning, problem-solving and analytical skills in a variety of contexts.

At Sri KDU Subang Jaya, if you take Additional Mathematics you will be required to take IGCSE Mathematics a year sooner than you normally would. It is only available to learners who can demonstrate the mathematical ability to cope with this demanding course, as per Cambridge recommendations.

ASSESSMENT

Paper 1 : Non Calculator
(2 hours) - 80 marks

*Externally assessed

Paper 2 : Calculator (Core)
(2 hours) - 80 marks

*Externally assessed

*At Sri KDU Subang Jaya, if you take Additional Mathematics, you will be required to take IGCSE Mathematics Extended in summer 2026 (a year sooner than you normally would) It is only available to learners who can demonstrate the mathematical ability to cope with this demanding course, as per Cambridge recommendations.

For more information, please reach out to:

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Mr Travis Butler
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UNITS / TOPICS

- Rudiments
- Melody and rhythm
- Harmony
- Compositional devices
- Ensembles and instruments/voices
- Instrumental and/or vocal effects
- Structure
- Texture
- Style
- Genre

WHAT WILL YOU STUDY & LEARN

When studying the Cambridge IGCSE Music syllabus, students listen to, perform and compose music, encouraging aesthetic and emotional development, self-discipline and, importantly, creativity. As a result, students enhance their appreciation and enjoyment of music, an achievement that forms an ideal foundation for future study and enhances life-long musical enjoyment. Learners study music of all styles; each style is placed in its historical and cultural context, and they are encouraged to be perceptive, sensitive and critical when listening. Although the majority of the syllabus examines Western European music, the music of other cultures is always represented.

Learners are expected to take up all opportunities to get involved in music ensembles to enhance their performing skills. Learners need to develop an appreciation of various styles of music and, as a stimulus, to understand the composing process. They will need to listen widely to different genres of music to understand the process.

ASSESSMENT

Component 1: Listening Paper (1 hour 15 minutes)

The assessment involves aural awareness, perception, and discrimination within Western music. Candidates are expected to identify and provide commentary on a variety of music from diverse cultures worldwide. Furthermore, it also includes demonstrating knowledge and understanding of one World Focus from a non-Western culture and engaging with one Western Set Work.

*Externally assessed

Component 2: Performance Coursework

This component involves the presentation of 2 prepared performances, one solo and one ensemble piece, chosen by the candidate and recorded for assessment. The solo piece include individual singing or playing, and the ensemble piece will showcase the participation in an ensemble not necessarily the same as the individual performance instrument. The overall performance should span between 4 and 10 minutes.

Component 3 : Composition Coursework (1 hours 30 minutes)

Candidates present two contrasting compositions written for different instruments, both of which need to be recorded. Compositions must be fully notated, with the score accompanying the recording. The submission must include the score and commentary, either handwritten or computer-generated, ensuring accurate editing.

*Both internally marked and externally moderated.

For more information, please reach out to:

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PHYSICAL EDUCATION

(0413)

UNITS / TOPICS

- Anatomy and Physiology
- Health, Fitness and Training
- Skill Acquisition and Psychology
- Social, Cultural and Ethical Influences

WHAT WILL YOU STUDY & LEARN

The syllabus provides learners with an opportunity to study both the practical and theoretical aspects of physical education. It is designed to encourage enjoyment in physical activity by providing learners with an opportunity to take part in a range of physical activities and develop an understanding of effective and safe physical performance. This helps learners to develop an appreciation of the necessity for sound understanding of the principles, practices and training that underpin improved performance, better health and well-being.

IGCSE PE learners will dive into the theoretical principles that supports any physical activities or sports. This course will guide students to be able to incorporate such theory and demonstrate those appropriate practices to gain effective and positive results.

ASSESSMENT

Component 1 : Written Exam (1 hour 45 minutes)

The examination assesses candidates' knowledge and understanding in relation to the syllabus content. Candidates are required to demonstrate skills of description, interpretation and evaluation.

*Externally assessed

Component 2 : Coursework

The coursework component assesses candidates' performance in four physical activities from at least two of the seven categories: Games, Gymnastics, Dance, Athletic, Outdoor and Adventurous Activities, Swimming and Combat Activities

*Externally assessed

**Please note that we are in consultation with AQA Oxford and may change the exam board for this subject.*

For more information, please reach out to:

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Mr Travis Butler
Head of Key Stage 4
travis.b@srikdu.edu.my

SCIENCE COORDINATED

(0654)

KEY INFO

- Students study a combination of **Biology**, **Physics** and **Chemistry**.
- They will be assessed with **three exam papers**, each containing questions from the three science subjects.
- The IGCSE grade is a **double award** and is worth **two IGCSEs**.

AIMS

- Acquire scientific knowledge and understanding of scientific theories and practice
- Develop a range of experimental skills, including handling variables and working safely
- Use scientific data and evidence to solve problems and discuss the limitations of scientific methods
- Communicate effectively and clearly, using scientific terminology, notation and conventions
- Understand that the application of scientific knowledge can benefit people and the environment
- Enjoy science and develop an informed interest in scientific matters which support further study.

ASSESSMENT

Extended

Paper 2: Multiple Choice

(45 minutes)

Paper 4: Theory

(2 hours)

Paper 6: Alternative to Practical

(1 hour 30 minutes)

Core

Paper 1: Multiple Choice

(45 minutes)

Paper 3: Theory

(2 hours)

Paper 6: Alternative to Practical

(1 hour 30 minutes)

*Students who earn a BB grade in Coordinated Science will be accepted to study any science at A level in our Future Leaders Academy.

For more information, please reach out to:

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Mr Travis Butler
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BIOLOGY

(0610)

UNITS / TOPICS

- Characteristics and classification of living organisms
- Organisation of the organism
- Movement into and out of cells
- Biological molecules
- Enzymes
- Plant nutrition
- Human nutrition
- Transport in plants
- Transport in animals
- Diseases and immunity
- Gas exchange in humans
- Respiration
- Excretion in humans
- Coordination and response
- Drugs
- Reproduction
- Inheritance
- Variation and selection
- Organisms and their environment
- Human influences on ecosystems
- Biotechnology and genetic modification

AIMS

- Acquire scientific knowledge and understanding of scientific theories and practice
- Develop a range of experimental skills, including handling variables and working safely
- Use scientific data and evidence to solve problems and discuss the limitations of scientific methods
- Communicate effectively and clearly, using scientific terminology, notation and conventions
- Understand that the application of scientific knowledge can benefit people and the environment
- Enjoy science and develop an informed interest in scientific matters which support further study.

ASSESSMENT

Extended

Paper 2: Multiple Choice

(45 minutes)

Paper 4: Theory

(1 hour 15 minutes)

Paper 6: Alternative to Practical

(1 hour)

Core

Paper 1: Multiple Choice

(45 minutes)

Paper 3: Theory

(1 hour 15 minutes)

Paper 6: Alternative to Practical

(1 hour)

*Students who earn a B grade in Biology will be accepted to study Biology at A Level in our Future Leaders Academy.

For more information, please reach out to:

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CHEMISTRY

(0620)

UNITS / TOPICS

- States of matter
- Atoms, elements and compounds
- Stoichiometry
- Electrochemistry
- Chemical energetics
- Chemical reactions
- Acids, bases and salts
- The Periodic Table
- Metals
- Chemistry of the environment
- Organic chemistry
- Experimental techniques and chemical analysis

AIMS

- Acquire scientific knowledge and understanding of scientific theories and practice
- Develop a range of experimental skills, including handling variables and working safely
- Use scientific data and evidence to solve problems and discuss the limitations of scientific methods
- Communicate effectively and clearly, using scientific terminology, notation and conventions
- Understand that the application of scientific knowledge can benefit people and the environment
- Enjoy science and develop an informed interest in scientific matters which support further study.

ASSESSMENT

Extended

Paper 2: Multiple Choice

(45 minutes)

Paper 4: Theory

(1 hour 15 minutes)

Paper 6: Alternative to Practical

(1 hour)

Core

Paper 1: Multiple Choice

(45 minutes)

Paper 3: Theory

(1 hour 15 minutes)

Paper 6: Alternative to Practical

(1 hour)

*Students who earn a B grade in Chemistry will be accepted to study Biology at A Level in our Future Leaders Academy.

For more information, please reach out to:

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PHYSICS

(0625)

UNITS / TOPICS

- Motion, Forces and Energy
- Thermal Physics
- Waves
- Electricity and Magnetism
- Nuclear Physics
- Space Physics

AIMS

- Acquire scientific knowledge and understanding of scientific theories and practice
- Develop a range of experimental skills, including handling variables and working safely
- Use scientific data and evidence to solve problems and discuss the limitations of scientific methods
- Communicate effectively and clearly, using scientific terminology, notation and conventions
- Understand that the application of scientific knowledge can benefit people and the environment
- Enjoy science and develop an informed interest in scientific matters which support further study.

ASSESSMENT

Extended

Paper 2: Multiple Choice

(45 minutes)

Paper 4: Theory

(1 hour 15 minutes)

Paper 6: Alternative to Practical

(1 hour)

Core

Paper 1: Multiple Choice

(45 minutes)

Paper 3: Theory

(1 hour 15 minutes)

Paper 6: Alternative to Practical

(1 hour)

*Students who earn a B grade in Physics will be accepted to study Biology at A Level in our Future Leaders Academy.

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INFORMATION IS CORRECT AT THE TIME OF WRITING
AS OF 13TH MARCH 2025



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School
SUBANG JAYA



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