IGCSE at Tenby International School Penang
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IGCSE at Tenby International School Penang

Foreword

Dear Parents and Students,

This booklet provides information about the educational programmes on offer at Tenby International School Penang during Years 10 and 11. It gives some information about the courses Tenby International School Penang will run and the choices that have to be made by students at this stage of their educational career. A range of experience is achieved by providing a core of compulsory subjects, a set of optional subjects for students to choose from, and a set of guidelines for making these choices.

The programme of study at Tenby International School Penang for students in Years 10 and 11 is based on the programmes offered by the Cambridge International Examinations (CIE) which have offered IGCSE subjects as an integral part of their international provision for many years.

The International General Certificate of Secondary Education (IGCSE) has been designed for 14 to 16 year olds and aims to prepare students for further academic success, including progression to A-Levels, the International Baccalaureate Diploma Programme, and to equip students with the skills needed for immediate employment. IGCSE is broadly equivalent in standard to the British GCSE and is recognised as evidence of ability by academic institutions and employers around the world.

The IGCSE curriculum allows teaching to be placed in a localised context, making it relevant in different regions. It is also suitable for students whose first language may not be English and this is acknowledged throughout the examination process. However, it is essential to note that English is the language of instruction at Tenby International School Penang and as such students do require a set level of competency in this area in order to achieve their potential and to be able to access the programmes of study with ease.

Grading is on an eight-point scale (A*–G) and grades A to E are equivalent to ‘O’ Level Grades A to E. In some countries, IGCSE qualifications will satisfy the entry requirements for university. In others, they are widely used as a preparation for A Level, AS, International Baccalaureate and US Advanced Placement courses. Grade C in IGCSE English satisfies the English proficiency requirements of many universities in the UK and other Anglophone countries.

Before making their choices, students can get more information about course content from their subject teachers and their Form Teachers will be helping them with the choice procedure. If you would like more details about any aspect of the curriculum for Years 10 and 11, please do not hesitate to contact us.

Yours sincerely,

Giles Montier
Principal

For further information about IGCSE, please visit the Cambridge International Examinations website: www.cie.org.uk
Introduction for Students

The rest of this booklet is written for you, although we recommend that you read it together with your parents.

In August you will move into year 10 and start a two-year programme of study. This booklet tells you something about your courses over that two-year period. It explains what the IGCSE is about and why you have a choice in some areas but not in others:

- **The plan** – an overview of years 10 and 11.
- **What to aim for** – a word or two about IGCSE.
- **Reasons why** – explaining the plan.
- **What next?** How you tell us your choices.
- **Courses** – some information about each subject.

Before You Start

Remember that there is a limit to how much information and advice you can get from a booklet like this. Talk with people; ask questions; listen to what they say. Do not choose a subject because your friend is doing it, they may not be in the same group as you and they will not have to live with the consequence of you making the wrong choice.

- Talk with your parents – they know you best.
- Talk with your Form Teacher, Subject Teachers, your parents and the Principal.

To get a picture of your typical school week for the next two years, it is best to think of two groups of subjects.

The first group – the Compulsory subjects - contains certain subjects, which all of you have to study. Here is the list:

**Compulsory**

- English 1st Language and English Literature (both subjects are compulsory in Year 10)
- Chinese 1st Language, Chinese Foreign Language OR French Foreign Language
- Mathematics (with Additional Mathematics for the most able students)
- Science - (Biology, Chemistry, Physics - choice of 1, 2 or 3 separate Sciences)
- PE (non-examination subject but can also be taken as an IGCSE class)
- PSE (Personal & Social Education; non-examination)

PE and PSE are compulsory for all students in the English Curriculum in Year 10 & 11. In PSE students will be looking at issues concerned with being a ‘World Citizen’ as well as spending time on preparation for life after TIS. PE is compulsory, but students will follow a similar process to the IGCSE options process at the end of Year 9 when they will be able to choose the activities they want to follow in Year 10 & 11.

The second group of subjects – the options – is where you have some choice. These subjects are as follows:

**Optional**

- Business Studies
- Physical Education
- Geography
- History
- Information and Communication Technology
- Music
- Art and Design
- Design and Technology
- Drama
What to aim for – The IGCSE and Post–16 education:

English, Mathematics, Science and the optional subjects lead to a qualification called the International General Certificate of Secondary Education (IGCSE). IGCSE grades are from A* to G. The IGCSE gives students an excellent foundation from which to choose the subject areas they wish to take at Post – 16, whether it is the A-Level programme or the IB Diploma (IBDP) programme or the Advanced Placement Programme (AP)

Reasons why – Explaining the plan

In making decisions about selection of subjects, parents and students should take into account the following factors:

a) Goals: Students should be considering their options for the future, and setting goals they hope to attain. These should be:
   • Short-term goals: e.g. achieving a high grade in Mathematics this year (be realistic but aspirational!)
   • Medium-term goals: e.g. choosing, and setting specific targets in, IGCSE subjects
   • Long-term goals: e.g. planning what you want to do on completing Years 12 and 13; what courses you might want to study at university; where you might want to study; and so on.

NOTE: Long term-goals especially can be readjusted as interests change and students mature, but remember the useful adage: IF YOU AIM AT NOTHING, YOU ARE GOING TO HIT IT EVERY TIME!

b) Do some research: Students should find out more about what each subject is about, and should investigate the jobs, courses and universities they may be interested in as long-term goals. Using the Internet to access university websites is a very useful means of obtaining the required information.

c) Consider the course pre-requisites: Students should check:
   • The subjects required before they will be allowed entry into a university course in which they're interested
   • The grade level (marks) required.
   • The level of English skill needed.

As well as checking the Internet, for further information, students can also make an appointment with their Form Teacher to discuss their goals, their options, and their progress. Be aware that informed decisions are based on the gathering of evidence.

d) Consider what subjects you enjoy: Students should select subjects they'll like and enjoy (after they've ensured they're covering their prerequisites).

e) Consider what you’re good at: Students should realistically assess how capable they are in various subjects, and choose those in which they'll achieve best.

f) Listen carefully to advice and ideas from parents, teachers, friends, etc. However, remember that you will be in the hot seat, studying the subject, completing the assignments and using the results to shape your future. CHOOSE WHAT SUITS YOU BEST!

NOTE: DON'T CHOOSE SUBJECTS JUST BECAUSE YOUR FRIENDS ARE TAKING THEM: This is the worst reason for choosing a subject!

Why do you have to do all of the Compulsory Subjects?

No secondary school student’s curriculum could possibly be complete without Mathematics, Science and (in an English language school) English. These are the first three subjects on the list. Virtually all higher education institutions worldwide expect you to have a qualification in English and Mathematics. Developing language skills is a very important part of today’s global society and the skills you learn in developing a new language are transferable to nearly every other subject.

Why do you have to choose Optional Subjects?

The main reason is time. Add up the total number of compulsory subjects and options together. In a week, how many periods, on average, would each subject get? This would be nothing like enough to get you anywhere near IGCSE standard. To study all the subjects in the sort of depth appropriate to your age would require a school day about twice as long as ours, and think of the homework!
**So why can’t you just choose your favourite subjects? There are two reasons.**

The first is a theoretical reason – we think it is important for your development as an educated person that you study a broad range of subjects. The Compulsory and Optional subjects in combination should be broad enough to offer you experience in different areas of learning.

The second reason is more practical. You may have an idea about what you are going to do for your career, but you are probably not certain yet. It is most important that you do not close any career doors – in other words, that you do not leave out subjects, or types of study, that you may need later (this is another reason why we insist that you take the compulsory subjects).

**What are the reasons for making your choice?**

Does it really make any difference which courses you choose? Let us look at some of the reasons for choosing some subjects and not choosing others.

You may think that a particular subject will be useful for a future course or career you have in mind. That is a good reason. For instance, if you want to go into urban planning, Geography would provide some useful background. However, there are very few courses and careers that require particular IGCSE subjects, with the exception of English, Mathematics and Science. You do not need an IGCSE in Music to be a successful business manager, or an IGCSE in Art and Design to be an architect. However, good grades in a broad range of subjects are more important as a foundation for further specialised study. The business manager needs good communication skills and the architect must have a sound understanding of mathematics.

**What next? How you choose your options**

After reading this booklet carefully and discussing your thoughts with your parents, teachers and friends, complete an Options Form. The creation of a student’s course of study is also influenced by the blocks in which subjects are offered. Some combinations of subjects are not available. Students can only choose one Option from each block. See the separate Options Form to see which particular choices are available.

**Year 10 and 11 Assessments**

Subject departments use a variety of assessment techniques throughout each year, including peer and self assessment, teacher assessment of group and individual work, and the marking of tests. In addition, there are internal examinations for all students in July of Year 10. Reports will be issued to parents indicating levels of attainment and effort, and examination scores (where appropriate), with comments by the subject teachers and each child’s Form Teacher at the end of the academic year in July. In November, February and May, parents will receive a Progress Report, which will provide an indication as to how their child is progressing with the IGCSE Programme. These reports will provide information regarding effort in a particular subject as well as attainment. Students will also be given end of topic/unit tests in some subjects, which help to reinforce learning covered in class.

The exact nature of the assessments in each subject is contained within the specific subject headings within this booklet. However, in general, each subject will have an examination component that students will sit for in May of year 11. A number of subjects also have a compulsory course work component as part of their assessment.

Some IGCSE subjects offer students the options of Extended or Core Papers. All students at Tenby International School Penang will be undertaking the Extended Course. This will afford the students the full option of grades. In some instances, the subject teachers will insist that a student has to enter for the Core Papers because it would not be in their interest to enter the Extended examination (generally because they have not shown the potential to attain a C grade during the course of the programme). This would be the exception rather than the rule.

**School/Parent Communication**

The education of all students is clearly a partnership between the teachers and the parents. To this end an effective line of communication between these two groups is essential. The Form Teacher should be the first point of contact when there is any level of concern. These teachers will have the most contact with the students and are the best position to gain an all round perspective of progress. The most effective means of communication is through the Student Diary, which will be checked weekly by the Form Teacher. Parents are encouraged to familiarise themselves with the diary and are asked to sign it each week. Additionally staff can readily be contacted by e-mail. By maintaining effective communication channels, potential problems can be alleviated.

There are additional opportunities during the year for parents and staff to communicate with regard to student progress. Often class work and homework books indicate areas for celebration and at times, areas for concern. When a pattern of concern arises, the Form Teacher will contact parents to discuss support for the student.
The IGCSE and ICE Award

The IGCSE Main Features

The International General Certificate of Secondary Education (IGCSE) was developed to meet the needs of educators and parents throughout the world for a curriculum specifically tailored to international needs. IGCSE provides a curriculum and methods of assessment appropriate for a wide ability range. It is designed as a two-year programme leading to a certificate that is internationally recognised as equivalent in standard to the British GCSE and International GCE 'O' level examinations.

The important principle of the IGCSE examination is that students are rewarded for positive achievement – what they know, understand and can do – rather than being penalised for an accumulation of errors.

As well as testing whether students can recall information and present it in an orderly manner, the curriculum encourages:

- An investigative approach
- The development of oral and practical skills
- The use of initiative to solve problems
- The application of skills, knowledge and understanding
- The ability to undertake individual projects and coursework and to work as part of a team.
- The IGCSE examination is suitable for virtually the whole ability range.

It has an 8-point scale of grades: A*, A, B, C, D, E, F, and G.

- Grade A* is awarded for the highest level of achievement
- Grade G indicates minimum satisfactory performance
- Grade U is given when a student fails in the examination

The ICE Award

The International Certificate of Education (ICE) Award is a certificate, which may be gained in addition to the IGCSE if certain criteria are met. In order to qualify for the ICE, students must enter and sit for at least seven subjects. These must include English, a second Language, a Social Science/ Humanities subject (Geography, History or English Literature), Sciences, Mathematics and a Creative, Technical and Vocational subject (Art and Design, ICT, Drama, Music, D&T or Business Studies).

Students must obtain at least a grade G in each of the seven subjects as specified above.

- A Distinction is awarded if a student obtains grade A in five subjects and grade C or above in two further subjects.
- A Merit is awarded if a student obtains grade C or above in five subjects and grade F or above in two further subjects.
- A Pass is awarded if a student obtains grade G or above in seven subjects.
LANGUAGES FACULTY

IGCSE ENGLISH FIRST LANGUAGE

Why is English First Language important?

- To operate successfully in the workplace you must be fluent readers, writers and speakers of English. Employers expect this as a minimum.
- Colleges and institutions of higher education will always look carefully at your English grade. Overseas universities often have a minimum grade/requirement for English which you must meet in order to gain places with them.

Course Content

- Argumentative/discursive writing
- Descriptive writing
- Narrative writing
- Intensive reading
- Language analysis
- Summary writing
- Report writing/Magazine features/Formal and informal letters/speech writing/Transcript writing

How will I learn?

In lessons you will be encouraged to:

- Experiment with tone and register
- Think quickly and practically about your choice of language
- Inhabit characters from texts
- Discuss and analyse how language is used. Then write in a variety of styles
- Experiment with speech devices and figurative language
- Select what information is pressing and urgent (cutting the superfluous)

How will I be assessed?

- The assessment is by coursework (50%) and one examination (50%)
- Exam: Reading Passages (2 hours) 50% - The one examination is primarily an assessment of the candidate’s reading skills
- Coursework – 3 pieces: 1) Creative / Descriptive 2) Response to Text 3) Argumentative / Informative

Post IGCSE opportunities

- AS/A-Level English Literature
- Careers in all fields including journalism/marketing/hospitality/law

Department Policy

This year, all of our students will take First Language English, plus English Literature. The coursework option allows for a slow and precise development of written language skills. Our goal is for as many students as possible to attain a grade C or above in First Language. We will have three groups. All groups will be studying First Language and Literature in Year 10. At the end of Year 10, the department will decide if the student should continue with the Literature course, or concentrate on the study of English Language; those who study English Language only in Year 11 will have more time to develop their basic English skills, in oral and written terms.

Contact for further information

Mr Simon (Head of English Faculty)
simon.cullen@tenby.edu.my
IGCSE ENGLISH LITERATURE

Why is English Literature important?

- Language is often full of deeper meaning. Nuance and register can have dire consequences if not fully understood. When our boss says 'Don't be alarmed, I'm sure everything will work out', what does he really mean? The Literature course helps students develop intrinsic perception of language.
- Appreciating beauty is vital. Knowing what makes a play, a poem or a novel magical is something we hope our students will develop. Without story where would mankind be?
- Gaining an understanding of the social, cultural and historical backgrounds to texts helps students step into the past and feel the pressures people faced. For example, students will learn about how events and emotions can be described in a variety of different poems, written in English by writers from all around the world, at different periods in history.

Course Content

Analysis and interpretation of the following texts:

- The Importance of Being Earnest – Oscar Wilde
- A selection of poetry in English across the years – Cambridge Songs of Ourselves
- Hullabaloo in the Guava Orchard – Kiran Desai

How will I learn?

In lessons you will be encouraged to:

- Consider the reasons behind the language choices made by writers
- In groups act-out selected scenes from the Drama text
- Explore the structure and themes of texts
- Evaluate some of literature’s greatest characters
- Role-play relationships presented in the texts

How will I be assessed?

Coursework + Exam:

- Exam - Open Books (2 hours and 15 minutes) 75%
- Coursework - (2 different pieces of written work) 25%

Post IGCSE opportunities

- AS/A-Level English Literature
- Careers as writers and literary critics

Department Policy

Our goal is for as many students as possible to attain a grade C or above in First Language. We will have three groups. The coursework option allows for a slow and precise development of written language and literary skills. Our goal is for as many students as possible to attain a grade C or above in English Literature. We will have three groups. All groups will be studying First Language and Literature in Year 10. At the end of Year 10, the department will decide if the student should continue with the Literature course, or concentrate on the study of English Language; those who study English Language only in Year 11 will have more time to develop their basic English skills, in oral and written terms.

Contact for further information

Mr Simon (Head of English Faculty)
simon.cullen@tenby.edu.my
IGCSE CHINESE FOREIGN LANGUAGE

Why is Chinese Foreign Language so important?

The Chinese language has become more important globally: speak the language and you can speak to millions of people! Did you know that the number of students learning Chinese is the fastest growing among all foreign languages? Quite often demand in Chinese classes are higher that Chinese teachers available, because not only students, also many business(wo)men and employees start learning Chinese. With an economy growing by leaps and bounds, the importance of China on the world stage is increasingly felt. Chinese is the most widely spoken language in the world and is spoken not only in China but also in Hong Kong, Taiwan, and many other places in South-East Asia. Significant populations of people who speak Chinese also live in urban centres around the world. It is one of the key languages in the world culturally and in business. Learning Mandarin Chinese is a challenging but rewarding experience: no doubt that written Chinese is difficult to learn but it is an extraordinary and agreeable experience through which you can immerse yourself in a different culture and develop lifelong skills.

Course Content

- Character writing & Formation
- Chinese Pinyin
- Introducing China – Cultures & customs
- Oral & Listening Tasks – Dialogues, Q&A, Interviews, Surveys, Oral Presentations
- Vocabulary
- Writing simple essays and notes, eg: articles, letters
- Role Play situations (booking a hotel, finding directions, etc)

How will I learn?

In lessons, you will be encouraged to:
- Work in pairs or small groups to practise using the language orally and in writing.
- Use ICT to practise the language and carry on projects
- Work independently on assignments.
- Work individually or in small groups to do intensive speaking practice in preparation for oral exam.
- Assess your own work and that of others in your group to help you to understand how to improve.
- Be involved in target setting and the learning review process.
- Be active and participate in class.
- Practise individually or collaboratively reading and writing characters

How will I be assessed?

Assessment will be through the IGCSE Exam at the end of Year 11 and students will either be entered for Core or the Extended Examination. The Core and Extended will do Papers 1, 2 & 3, but only the Extended Students will do Paper 4.

- Paper 1 - Listening 33% for Core or 25% for Extended
- Paper 2 - Reading Comprehension 33% for Core or 25% for Extended
- Paper 3 - Oral Speaking 33% for Core or 25% for Extended
- Paper 4 - Extended Writing 25% only for Extended students

Post IGCSE opportunities

- HSK Exam (Hanyu Shuiping Koashi)
- AS and A2 Languages

Contact for further information

Ms Alyssa (Chinese Coordinator)
alyssa.chng@tenby.edu.my
IGCSE CHINESE FIRST LANGUAGE

Why Chinese First Language is important?

- Globalization, outsourcing, and free trade, the world is changing! Its growing economy, solid commercial balance and big foreign money reserves – interacting with China is more and more important.
- The number of students learning Chinese is the fastest growing among all foreign languages.
- Speaking Chinese is a real advantage when it comes to finding a job after gaining your first University Degree. If you learn Chinese, you are more marketable and you can benefit from many new opportunities.

Course Content

- Reading Comprehension
- Summary Writing
- Argumentative/Discursive writing
- Descriptive writing
- Narrative writing

How will I learn?

In lessons you will be encouraged to:

- Explore different styles of writing.
- Enrol in the real Chinese speaking world.
- Reinforce the learning of vocabulary, grammar and sentence structure.
- Pronounce the characters without the PIN YIN.
- Exposure to Chinese language, culture and traditions through authentic texts.

How will I be assessed?

- You will sit two final exam papers:
  - Reading (2 hours): Comprehension + Summary = 60%
  - Writing (1 hour 15mins): Argumentative/ Descriptive/ Narrative Essay = 40%

Post IGCSE opportunities

- HSK Chinese Proficiency Test
- Careers in All Fields including journalism/ marketing/business/Human Resource/ Education

Contact for further information

Ms Alyssa (Chinese Coordinator)
alyssa.chng@tenby.edu.my
IGCSE FRENCH

Why should I choose French?

Well, simply because:

- It is spoken on 5 continents by 200 million people, and is therefore: the world second most-learned language, the ninth most widely-spoken, and the third most used language on the web (ahead of Spanish).
- You learn to communicate with other people and about different countries and cultures. It can also make travel and leisure much more interesting and exciting!
- Speaking another language will increase your marketability (universities and employers tend to prefer candidates who speak one or more foreign languages) and speaking French opens up study opportunities at renowned French universities and business schools, ranked among the top higher education institutions in Europe and the world.
- Some universities have a foreign language requirement: they could look at your IGCSE results and would like to see a foreign language as it shows that you are able to do a wide range of subjects.
- French is also an analytical language that structures thought and develops critical thinking, which is a valuable skill for discussions and negotiations.
- French is a good base for learning other languages, especially Romance languages (Spanish, Italian, Portuguese and Romanian) as well as English, since a good proportion of current English vocabulary is derived from French.
- Learning French is the pleasure of learning a beautiful, rich, melodious language, often called the language of love.
- You've already been studying it! So it will only be a matter of perfecting what you know already.

What will I be studying?

- Healthy Eating and Living
- Holiday and Tourism
- Home and Local Area
- The Environment
- School/College and Future Plans
- Personal Relationships
- Leisure
- Life in Other Countries and Communities

How will I learn?

Language classes are still fun and interactive and you cover things at a slightly quicker pace, but this is good as you'll easily notice the improvements that you make in your foreign language. There will also be plenty of exam practice so that you feel fully ready to your Exams.

In lessons, you will be encouraged to:

- Work in pairs or small groups to practise using the language orally and in writing.
- Use ICT to practise grammar, reading and listening, and to carry out research for presentations
- Work independently on assignments.
- Work individually or in small groups to do intensive speaking practice in preparation for oral exam.
- Assess your own work and that of others in your group to help you to understand how to improve.
- Be involved in target setting and the learning review process.
- Be active and participate in class.

How will I be assessed?

Assessment will be through the IGCSE Exam at the end of Year 11 and students will either be entered for Core or the Extended Examination. The Core and Extended will do Papers 1, 2 & 3, but only the Extended Students will do Paper 4.

- **Paper 1** is the Listening Paper which makes up 33% of the exam for Core students (25% for Extended Students.)
- **Paper 2** is the Reading and Directed Writing Paper which makes up 33% of the exam for Core students (25% for Extended Students).
- **Paper 3** is the Speaking Exam which makes up 33% of the exam for Core students (25% for Extended Students).
- **Paper 4** is the Continuous Writing Paper which is only for the Extended Students and makes up 25%.
What studies/jobs/careers would French be useful for?

- You’ll be surprised at the amount of careers that involve Modern foreign languages
- Industries as diverse as engineering, law, marketing, the media and IT need candidates with practical language skills,

Job Prospects:

- Computer programmer
- Credit controller
- Customer support adviser
- Cultural briefing consultant
- Interpreter
- Teacher
- Language trainer
- Translator
- Engineering
- Banking
- Civil service
- Travel and tourism
- Secretary/PA
- Marketing
- Public relations
- Medicine
- Journalism and media
- Transport and distribution
- Website localiser
- Diplomat

Post 16 Opportunities with languages:

- AS and A2 Languages
- GNVQ Language units
- Leisure and Tourism Industry
- Bilingual secretarial work
- Government
- Travel
- Hospitality and catering
- Journalism
- Industry and Commerce
- Law
- Insurance and Banking

This also applies to jobs where fewer qualifications are needed, for example, garage and factory work, construction, hospital services and retail work.

Knowing how to speak other languages will enable you to also try for jobs abroad which may pay more than in Malaysia.

Contact for further information

Ms Sophie (Head of Languages Faculty)
sophie.mazaz@tenby.edu.my
IGCSE BAHASA MALAYSIA
(Foreign Language)

Why is Malay important?

Cambridge IGCSE Malay is accepted by universities and employers as proof of linguistic ability and understanding. The IGCSE Malay syllabus encourages students to develop lifelong skills, including:

- The ability to use a foreign language as a means of practical communication
- Insight into the culture and civilisation of countries where the language is spoken
- A positive attitude towards language learning, towards the speakers of other languages, and towards other cultures and civilisations
- Techniques which can be applied to other areas of learning, such as analysis and memory skills
- A sound foundation for progression to employment or further study.

Course content

- Reading
- Directed writing
- Speaking
- Continuous writing

How will I learn? I will be encouraged to:

- Develop the ability to use the language effectively for purposes of practical communication within the country of residence, where appropriate, and in all countries where the language is spoken.
- Form a sound base of the skills, language and attitudes required for further study, work and leisure.
- Offer insights into the culture and civilisation of countries where the language is spoken.
- Encourage a fuller understanding of the local community, where relevant.
- Develop a fuller awareness of the nature of language and language learning.
- Encourage positive attitudes toward language learning and towards speakers of other languages as well as a sympathetic approach to other cultures and civilisations.
- Provide enjoyment and intellectual stimulation.
- Complement other areas of study by encouraging skills of a more general application (e.g. analysis, memorising, and drawing of inferences).

How will I be assessed?

You will sit three, final exam papers:-

- Reading and Directed writing (1 ½ hours) 35%
- Speaking (15Minutes) 30%
- Continuous Writing (1 Hour 15 Minutes) 35%

Post IGCSE opportunities; SPM

Department Policy

Our goal is for as many students as possible to attain a grade C or above in IGCSE. Students will sit for their IGCSE exam in Malay at the end of year 10. They will then carry on and follow the Malaysian SPM qualification in year 11. They will sit their SPM exam in July 2014.

Contact for further information

Ms Meighala (BM Coordinator)
meighala@tenby.edu.my
BAHASA MALAYSIA
Sijil Pelajaran Malaysia (SPM)

Why SPM?

SPM is chosen in this study because it is regarded as the most decisive examination in Malaysia. They are used as national indicators to compare students from different levels of education and background. Students' performance in SPM provides the gateway to Pre-University studies in Malaysia or overseas. SPM is equivalent to the O-Level and it's the public examination at secondary level before the entry into the first Bachelor Degree course at University.

Course content

- Paper 1- Section A- Stimulating diagram
- Section B- 5 different questions are given and candidates are to answer only one of them.
- Paper 2- Literature
- Paper 3- Oral test

How will I learn?

In lessons you will be encouraged to:
- Inhabit characters from texts
- Discuss and analyse how the literature component works.
- Summarizing text
- Experiment how language is used

Post SPM opportunities

Careers in all field and pre-university studies in Malaysia include matriculation, foundation study, A-Level which are conducted at college and University.

Contact for further information

Ms Meighala (BM Coordinator)
meighala@tenby.edu.my
Why should I choose Biology?

- In Biology you will investigate the living world around you.
- Biology will show you how your body works and how to keep it healthy.
- Biology develops your analytical thinking.
- Biology will allow you to talk about controversial issues such as birth control, drug abuse and evolution.

Is it for me?

- Yes, if you are enthusiastic about science.
- Yes, if you want to know more about yourself and health issues which affect you.
- Yes, if you want to know more about the variety of life on Earth.
- Yes, if you enjoy practical work; designing and carrying out experiments.
- Yes, if you enjoy discussing issues.

Why study Cambridge IGCSE Biology?

As well as a subject focus, the Biology syllabus enables students to:

- better understand the biological world, with an informed interest in scientific matters
- recognise the usefulness (and limitations) of scientific method in everyday life
- further interest in, and care for, the environment
- better understand the influence and limitations placed on scientific study by society, technology and the environment
- Develop an understanding of the scientific skills essential for both further study and in everyday life.

Course Content

The course content is divided into four main sections. The first two sections are covered in Year 10, the second two in Year 11:

I. Characteristics and Classification of Living Organisms
II. Organisation and Maintenance of the Organism (Cell structure, Diet & Digestion, Photosynthesis, Transport in Plants and Humans, Homeostasis and Response to Stimuli, Excretion and Respiration)
III. Development of the Organism and the Continuity of Life (Reproduction, Growth, Genetics, Inheritance)
IV. Relationships of Organisms with each other and the Environment (Nutrient cycles, Ecology, Populations, Pollution and Human Interactions with the Environment)

How will I learn?

A variety of learning methods are used throughout the course which include practical work, presentations, group work, audio-visual tasks, field research, essay writing and self-assessment.

How will I be assessed?

You will be assessed by two papers that test your understanding of the content covered: one multiple-choice (45 minutes and worth 30% of the total marks) and one extended written paper (75 minutes and 50% of the total); and a practical test (75 minutes and 20% of the total) that tests practical technique, data handling and analytical skills.

The expectation at TIS is that all students will complete the extended CIE syllabus, covering IGCSE grades A*-D. Any student who is not meeting these expectations can be asked to take the core syllabus, covering IGCSE grades C-G.
Post 16 Opportunities:

Cambridge IGCSE Biology is accepted by universities and employers as proof of real ability and knowledge. Biology is an ideal foundation for:
- AS and A2 Biology, Chemistry, Geography, P.E. and Psychology.
- Further studies in Health and Social Care.
- Art & Media Studies.
- Further and Higher qualifications in Biology.

Through critical thinking, independent investigations and analysis, Biology can lead to many career paths. Examples include: health and social work, genetic counselling, environmental research, agriculture, landscape gardening, the police (forensics, CSI!), law, education, National Park management, medicine, dentistry and media work (David Attenborough?). Many employers like to see students who have a qualification in Biology, as they often have a good understanding of people and the world around them.

Biology also complements many other subjects at IGCSE, including IGCSE Geography, Chemistry and Physics.

Contact for further information

Mr Martyn (Biology Coordinator)
martyn.moore@tenby.edu.my
IGCSE CHEMISTRY

Why should I choose Chemistry?

- Chemistry is incredibly fascinating! It is so fundamental to our world; it touches almost every aspect of our existence in some way.
- Chemistry is a central subject in science. It combines together physics and mathematics, biology and medicine, and the earth and environmental sciences.
- Knowledge of the nature of chemicals and chemical processes provides insights into a variety of physical and biological phenomena.
- Everything is chemical!

Is it for me?

- Yes, if you are enthusiastic about science.
- Yes, if you want to understand the physical universe we live in.
- Yes, if you want to understand the effects of human activities on the Earth’s environment.
- Yes, if you enjoy practical work: designing and carrying out practical investigations.
- Yes, because all your senses will be stimulated!

Why study Cambridge IGCSE Chemistry?

Cambridge IGCSE Chemistry is accepted by universities and employers as proof of essential chemistry knowledge and ability. As well as a subject focus, the Chemistry syllabus enables students to:

- better understand the technological world in which they live, and take an informed interest in science and scientific developments
- learn about the basic principles of Chemistry through a mix of theoretical and practical studies
- develop an understanding of the scientific skills essential for further study at A Level, skills which are useful in everyday life
- learn how science is studied and practised in the real world.

Course Content:

The course content is divided into four main sections. The first two sections are covered in Year 10, the second two in Year 11:

A. **Principles of Chemistry** (The Particulate nature of matter, Experimental Techniques, Atoms, Elements and Compounds, Stoichiometry)

B. **Physical Chemistry** (Electrolysis, Chemical reactions, Acids, Bases and Salts)

C. **Inorganic Chemistry** (The Periodic Table, Metals, Air, Water, Sulphur and Carbonates)

D. **Organic Chemistry** (Hydrocarbons, Alkanes, Alkenes, Alcohol and Carboxylic acids, Polymers)

How will I learn?

A variety of learning methods are used throughout the course which include practical work, presentations, group work, audio-visual tasks, field research, essay writing and self-assessment.

How will I be assessed?

You will be assessed by two papers that test your understanding of the content covered: one multiple-choice (45 minutes and worth 30% of the total marks) and one extended written paper (75 minutes and 50% of the total); and a practical test (75 minutes and 20% of the total) that tests practical technique, data handling and analytical skills.

The expectation at TIS is that all students will complete the extended CIE syllabus, covering IGCSE grades A*-D. Any student who is not meeting these expectations can be asked to take the core syllabus, covering IGCSE grades C-G.
Post 16 Opportunities:

Cambridge IGCSE Chemistry is accepted by universities and employers as proof of real ability and knowledge. Chemistry is an ideal foundation for:

- AS and A2 Biology, Chemistry and Psychology.
- Further studies in Health and Social Care.
- Forensic science, Art & Media Studies.
- Further and Higher qualifications in Chemistry.

Chemistry can lead to many interesting, useful and diverse career paths. Examples include: careers in the chemical industry developing polymers, drugs, flavourings, preservatives, dyestuffs and fragrances. Other careers include environmental science, chemical oceanography, chemical engineering, medicine, pharmacy, medical technology, molecular biology, biotechnology, pharmacology, toxicology, paper science, pharmaceutical science, hazardous waste management, art conservation, forensic science and patent law.

Contact for further information

Mr Adrian (Chemistry Coordinator)
adrian.kong@tanby.edu.my
IGCSE PHYSICS

Why should I choose Physics?

- In Physics you will gain confidence in a technological world.
- In Physics you will be aware of the application of science in everyday life which may be both helpful and harmful to the community and the environment.
- An excellent foundation for advanced study in pure sciences, in applied science or in science-dependent vocational courses.

Is it for me?

- Yes, if you are enthusiastic about science.
- Yes, if you want to know more about yourself and health issues which affect you.
- Yes, if you want to know more about the variety of life on Earth.
- Yes, if you enjoy practical work; designing and carrying out experiments.
- Yes, if you enjoy discussing issues.

Why study Cambridge IGCSE Physics?

As well as a subject focus, the Physics syllabus enables students to have:
- develop relevant attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative and inventiveness
- an understanding of how scientific theories and methods have developed, and continue to develop
- an understanding of how groups and individuals work together
- better understand the influence and limitations placed on scientific study by society, technology and the environment
- Develop an understanding of the scientific skills essential for both further study and in everyday life.

Course Content:

The course content is divided into 5 main sections. The first three sections are covered in Year 10, the second two in Year 11:
1. General Physics (length and time, speed acceleration velocity, mass, density, forces, work, pressure, energy and power).
2. Thermal Physics (simple kinetic molecular of matter, thermal properties, transfer of thermal properties).
3. Properties of waves, including lights and sound (general wave properties).
4. Electricity and magnetism (simple phenomena of magnetism and electrical quantities).
5. Atomic Physics (Radioactivity and nuclear atom).

How will I learn?

A variety of learning methods are used throughout the course which include practical work, presentations, group work, audio-visual tasks, field research, essay writing and self-assessment.

How will I be assessed?

You will be assessed by two papers that test your understanding of the content covered: one multiple-choice (45 minutes and worth 30% of the total marks) and one extended written paper (75 minutes and 50% of the total); and a practical test (75 minutes and 20% of the total) that tests practical technique, data handling and analytical skills. The expectation at TIS is that all students will complete the extended CIE syllabus, covering IGCSE grades A*-D. Any student who is not meeting these expectations can be asked to take the core syllabus, covering IGCSE grades C-G.

Post 16 Opportunities:

Cambridge IGCSE Physics is accepted by universities and employers as proof of real ability and knowledge. Physics is an ideal foundation for:
- AS and A2 Physics, Chemistry, P.E., Design & Technology.
Further and Higher qualifications in Physics and Engineering

Careers in which knowledge of Physics would be useful include:

- Engineering
- Architecture
- Teaching
- Construction
- Accountancy
- Law
- Astronomy
- Atomic Physics
- Electronics
- Aeronautics
- Space research
- Nanotechnology

Contact for further information

Mr Kevin (Head of Science & Maths Faculty)
bghaw@tenby.edu.my
IGCSE MATHEMATICS

Why should I choose IGCSE Mathematics?

- To encourage thoughtful writing of Mathematics and logical thinking in problem solving and investigations.
- To apply mathematics in everyday situations and develop an understanding of the part which mathematics plays in the world around you;
- Cambridge IGCSE Mathematics is accepted by universities and employers as proof of mathematical knowledge and understanding. Successful IGCSE Mathematics candidates gain lifelong skills, including:
  - confidence by developing a feel for numbers, patterns and relationships
  - an ability to consider and solve problems and present and interpret results
  - communication and reason using mathematical concepts
  - a solid foundation for further study
  - imaginative and creative work arising from mathematical ideas

Course content

Cambridge IGCSE Mathematics Syllabus code 0580:

- Algebra
- Geometry
- Graphs
- Matrices and Transformation
- Mensuration
- Trigonometry
- Sets, Vectors and Functions
- Statistics and Probability

How will I learn?

Throughout the course there will be regular tests, discussions and exam questions. Other learning methods include: Group work, investigations, and ICT resources.

How will I be assessed?

<table>
<thead>
<tr>
<th>Core curriculum</th>
<th>Extended curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grades available: C–G</strong></td>
<td><em><em>Grades available: A</em>–E</em>*</td>
</tr>
<tr>
<td><strong>Paper 1</strong></td>
<td><strong>Paper 2</strong></td>
</tr>
<tr>
<td>Short-answer questions</td>
<td>Short-answer questions.</td>
</tr>
<tr>
<td>Candidates should answer each question.</td>
<td>Candidates should answer each question.</td>
</tr>
<tr>
<td>Weighting: 35%</td>
<td>Weighting: 35%</td>
</tr>
<tr>
<td><strong>1 hour</strong></td>
<td><strong>1½ hours</strong></td>
</tr>
<tr>
<td><strong>Paper 3</strong></td>
<td><strong>Paper 4</strong></td>
</tr>
<tr>
<td>Structured questions.</td>
<td>Structured questions.</td>
</tr>
<tr>
<td>Candidates should answer each question.</td>
<td>Candidates should answer each question.</td>
</tr>
<tr>
<td>Weighting: 65%</td>
<td>Weighting: 65%</td>
</tr>
<tr>
<td><strong>2 hours</strong></td>
<td><strong>2½ hours</strong></td>
</tr>
</tbody>
</table>

- Internal assessment is based on class work, homework, investigations, quizzes, tests, end-of-year test and the mock exam.
Post IGCSE opportunities:

Careers in which knowledge of Mathematics would be useful include:

- Engineering
- Finance
- Teaching
- Cryptography
- Accountancy
- Law
- Biomathematics
- Research Operations
- Computer Studies
- Actuarial Science
- Business
- Software Professionals

Contact for further information

Mr Kevin (Head of Science & Maths Faculty)
bghkaw@tenby.edu.my
IGCSE ADDITIONAL MATHS

Why should I study IGCSE Additional Maths?

- To develop creativity and perseverance in the approach to problem solving.
- To derive enjoyment and satisfaction from engaging in mathematical pursuits, and gain an appreciation of the beauty, power and usefulness of mathematics.
- Cambridge IGCSE Additional Mathematics is accepted by universities and employers as proof of essential mathematical knowledge and ability.
- Successful IGCSE Additional Mathematics candidates gain lifelong skills, including:
  - the further development of mathematical concepts and principles
  - the extension of mathematical skills and their use in more advanced techniques
  - an ability to solve problems, present solutions logically and interpret results
  - A solid foundation for further study.

Course content

The Additional Mathematics Syllabus is intended for high ability candidates who have achieved or are likely to achieve Grade A*, A or B in the IGCSE Mathematics examination, taken at the end of year 10. The curriculum objectives are therefore assessed at one level only (Extended). This subject is taught in year 11 only. Cambridge IGCSE Additional Mathematics Syllabus code 0606:

- Set Language and Notation
- Functions
- Quadratic Functions
- Logarithmic and Exponential Functions
- Vectors in 2D Dimensions
- Differentiation and Integration
- Indices and Surds
- Factors of Polynomials
- Simultaneous Equations
- Trigonometry
- Permutations and Combinations
- Binomial Expansions
- Matrices

How will I learn?

You will learn individually, in groups and as a whole class. You will be given questions to complete at school and also at home. Throughout the course there will be regular tests, discussions and exam questions. Other learning methods include: Group work, investigations.

How will I be assessed?

All candidates will take two written papers. The syllabus content will be assessed by two papers (two hours each), each worth 50% of the total marks. Grades A* to E will be available for candidates who achieve the required standards. Since there is no Core Curriculum for this syllabus, Grades F and G will not be available. Therefore, candidates who do not achieve the minimum mark for Grade E will be unclassified.

- Internal assessment is based on class work, homework, investigations, quizzes, tests, end-of-year test and the mock exam.

Post IGCSE opportunities:

Careers in which knowledge of Mathematics would be useful include:

- Engineering
- Finance
- Teaching
- Cryptography
- Accountancy
- Law
- Biomathematics
- Research Operations
- Computer Studies
- Actuarial Science
- Business
- Software Professionals

Contact for further information

Mr Kevin (Head of Science & Maths Faculty)
bghkaw@tenby.edu.my
IGCSE ART & DESIGN

Why should I choose IGCSE Art and Design?

- Art and Design widens your creative skills through painting, drawing, designing and photo shooting.
- Art and Design develops your critical thinking, imagination and creativity.
- Art and Design trains you to focus on tasks and deliver good quality work.
- Art and Design develops your confidence, enthusiasm and a sense of achievement.
- Art and Design helps you to understand other cultures and history which you can relate to in your work.
- Art and Design gives you a solid foundation before pursuing higher/other related courses.

Is it for me?

- Are you a creative individual who enjoys all types of drawing, painting, illustration and design work?
- Do you have a passion for expressing your ideas and feelings in both two- and three-dimensions?
- Do you want to improve your drawing techniques and learn new graphic skills that can help enhance your visual work across the curriculum?
- Do you want to learn how to think creatively, multitask and explore visual problem solving?
- Do you have determination and patience?
- Are you willing to put time and effort into developing your ideas?

Expectations

- You will be expected to develop and research your ideas both in school and outside of school hours.
- You will be expected to use your sketchbook in order to develop your ideas and act as a journal showing your artistic development.
- You will be taught to use various types of media and will be encouraged to experiment.
- You will be introduced to use photo-editing software and will be expected to develop your ideas.
- You will study the work of different artists and be expected to pursue this in your own studies.
- You will be expected to provide basic art equipment:
  - Sketch book
  - Different grades of pencils
  - Paint brushes
  - Small-tipped ink pen
  - Ruler

How will I be assessed?

The coursework you produce in Y10 will represent 50% of the final grade that you will receive at the end of Year 11: This will be assessed internally and it will be externally moderated.

Cambridge Art and Design Syllabus:

Option C
Component 1: Observational/Interpretative Assignment (8 hours)
Component 4: Coursework Assignment

Component 1
Observational/Interpretative Assignment
Total marks = 100  [50% of total marks]
8 hour practical examination assessed by CIE.
Examination piece plus up to two sheets (four sides) of supporting studies (maximum A2 size).
Component 4
Coursework assignment
Total marks = 100 [50% of total marks]
Centre-based assessment, moderated by CIE
One final outcome plus supporting portfolio (maximum size of outcome and portfolio is A2, up to four sheets (8 sides) of work in portfolio)

Post 16 Opportunities:

Art and Design is an ideal subject for:
- Further/Higher Education in Fine Art.
- Further/Higher Education in Design.
- Further/Higher Education in Media Studies.
- Careers in the Art and Design industry:
  - Art gallery curator
  - Graphic/fashion/interior/product designer
  - Architect
  - Photographer
  - Professional artist/painter
  - Teacher/lecturer
  - Comic writer
  - Animation
  - Colourist

Art and Design encourages creative thinking and such a skill can be used in many fields of work. Among these are the design and architectural fields, marketing industry, advertising and media industry, book writing and fashion.

Contact for further information:

Mr Stan (Art Coordinator)
stanislaus_henson@tenby.edu.my
IGCSE DESIGN & TECHNOLOGY

Why should I choose D & T?

Within a rapidly changing technological society inspiration of design is located all around us. By manipulating mathematical shapes, natural forms, colour, texture and function of materials fresh products can certainly evolve. Design and Technology fosters individual flair, creativity and the ability to innovate by encouraging initiative, self-motivation and a spirit of enterprise. It enables students to confidently organise, identify, consider and solve problems independently through creative thinking, idea generation, planning and manufacturing.

Course content

Product Design, Resistant Materials and Graphics:
- Aesthetics (Form, Function, colour, shape, texture)
- Technical drawing – Isometric, Orthographic projection, Vanishing point
- Environmental considerations for sustainable design.
- Computer Aided Design (CAD) and theory of Computer Aided Manufacture (CAM).
- Planning for production (Accurate measurements, constructing prototypes – testing).
- Safe and effective application of tools within the workshop studio.
- Manufacturing techniques with a variety of materials (Perspex, Wood, Metal, and Paper).
- Joining and finishing processes.
- Performing conclusive evaluations in order to establish imaginative modifications.

The Design Process (the umbrella for conjuring fascinating design solutions):

1. Identify a Need= Identify a Need or Purpose in a given situation.
2. Design Brief= Produce a short Design Brief.
3. Tasks Schedule= List all major areas of work and allocate times and deadlines.
4. Analysis of Brief= Look at the Brief and produce a list of research questions.
5. Research= Identify and collate information only relevant to the Analysis of Brief.
6. Specification= Produce a list of requirements found from research relevant to the Brief.
7. Generate Ideas= A range of different possible solutions satisfying the Specification.
8. Choose Solution= Produce a solution using the Specification and your Generated Ideas.
9. Develop Solution= Generate details necessary to make the solution.
10. Make Solution= Produce the solution systematically.
11. Test Solution= Test your solution against the Brief and Specification.
12. Modify Solution= List modifications to improve the solution's effectiveness.
13. Evaluation= Evaluate the project against the Brief and Specification, provide recommendations.

How will I learn?

- You will creatively learn individually, in teams and as a whole class, via theory and by doing.
- (Class led and independent homework enquiries)
- You will be given project briefs which are stimulating and also challenging for you.
- Your needs in Design and Technology will be assessed regularly and you will focus on these needs until you are proficient in them.

How will I be assessed?

Paper 1: Design (1 hour 15 minutes) (25% of final mark)
This compulsory question paper tests Part 1 of the syllabus. Candidates answer one of three open-ended questions which assess their abilities of analysis and synthesis. The range of questions will reflect the breadth of optional content.

Paper 2: Graphic products (1 hour) (25% of final mark)

Paper 5: Coursework project (50% of final mark)
Realisation of a physical product – (25% of final mark)
Design Portfolio (25% of final mark)
Each candidate must complete an individual project which candidates usually work on over the final two terms of the course. The project is internally marked and externally moderated.

Candidates produce work in the form of an A3-size portfolio folder and the ‘made product’.

The folder must include sufficient photographic evidence of the made product, showing an overall view together with detailed views of evidence which support the award of marks for assessment criterion 6 ‘Product realisation’.

**Post IGCE Opportunities:**

A Level – IB, Design and Technology
University – Post Graduate study

**Some careers in which knowledge of Design and Technology would be useful:**

<table>
<thead>
<tr>
<th>Product Design</th>
<th>Interior Design</th>
<th>Fashion Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphic Design</td>
<td>ICT: sales and technical support</td>
<td>Construction</td>
</tr>
<tr>
<td>Engineer</td>
<td>Architect</td>
<td>Marketing</td>
</tr>
<tr>
<td>Computer developer</td>
<td>Special effects work</td>
<td>Teacher</td>
</tr>
</tbody>
</table>

**Contact for further information:**

www.technologystudent.com
www.bbc.co.uk/gcsebitesize

Mr Tim (DT Coordinator)
timothy_gandy@tenby.edu.my
IGCSE DRAMA

Why should I choose GCSE Drama as an option?

- If you enjoy creating Drama and performing to others.
- If you have excellent attendance and punctuality.
- If you can work successfully as part of a group and can work well independently.
- If you enjoy and are committed to working practically.
- If you enjoy using your creativity.
- If you like to direct and lead others.

Course Content:

You will be studying the numerous skills and techniques required to produce performances in a variety of Drama styles including; Melodrama, Comedy, Monologue, Musical Theatre, Children’s Drama, Mime and Improvisation. During the two years you will be working on different Drama projects that will involve public performance of original pieces as well as pieces drawn from Contempory to Ancient plays/literature.

How will I learn?

In lessons you will be encouraged to:

- Work in different sized groups and as an individual.
- Lead and direct others with sensitivity.
- Contribute your own ideas and respect those of others.
- Use your facial expressions, body language, movement and voice as an actor.
- Explore and experiment with practical Drama using your creativity.
- Select and use a range of Drama techniques in your practical work.
- Devise, improvise, rehearse and perform throughout each project.
- Discuss, analyse, constructively criticise, evaluate and reflect upon your own Drama experience and the work of others in the class.
- Watch performances in class from your peers, by visiting professionals and at the Theatre.
- Self-assessment and peers assessment to help you to understand how to further improve your work.

How will I be assessed?

Paper 1: Written examination
40% of your final grade, the paper lasts two and a half hours. It has three sections; one short answer section and two longer answer sections.

Paper 2: Coursework
60% of your final grade is given for 3 pieces of practical work (performances); one individual piece and two group performances, which are internally assessed and externally moderated.

Post 16 Opportunities:
Studying Drama can lead to: A/S, A level or a Degree in Drama Theatre Studies/Performing Arts.

A Career in:
- Media
- Theatre
- Television
- Education

Contact for further information:

Mr Simon (Head of English Faculty)
Simon.cullen@tenby.edu.my
IGCSE INFORMATION &
COMMUNICATION TECHNOLOGY (ICT)

Why should I choose ICT? (Why learn ICT?)
The IGCSE Information and Communication Technology syllabus encourages students to develop lifelong skills including:

- the ability to understand and implement new and emerging technologies within a business environment
- how to analyse, design, implement, test and evaluate Information and Communication Technology (ICT)
- systems
- considering the impact which new technologies will have on ways of working and the social, economic
- and ethical issues associated with them
- Awareness of the ways ICT can help in practical and work-related scenarios.

Course content
In Year 10 you will complete most of the Practical Skills and the Knowledge and Understanding components as listed under assessment objectives below. In Year 11 you will complete the remainder of these components and then prepare for your final GCSE examination. This includes a mock examination at the beginning of the second term.

The two assessment objectives in ICT are:

A. Practical Skills
   Students should be able to:
   - Use e-mail and the Internet to gather and communicate information;
   - Use word processing facilities to prepare documents;
   - Use database facilities to manipulate data to solve problems and represent data graphically;
   - Integrate data from different sources into a single document or report;
   - Produce output in a specified format;
   - Use a spreadsheet to create and test a data model, extracting and summarising data;
   - Create a structured website with style sheets, tables and hyperlinks;
   - Create and control an interactive presentation.

B. Knowledge and Understanding
   Students should be able to demonstrate knowledge and understanding in relation to:
   - The functions of the main hardware and software components of computer systems;
   - The networking of information-processing systems;
   - The ways in which information technology is used and the effects of its use;
   - The stages and methods of system analysis and design;
   - Computing terminology.

How will I learn?
You will be building up your knowledge and understanding of ICT through theory work and developing practical skills in the use of ICT tools including using different types of software. You will be learning the concepts and given the opportunity to build on them.

How will I be assessed?
All candidates will be entered for Papers 1, 2 and 3.

Paper 1 (2 hours) (40% of final mark)
A written paper of 100 marks assessing the skills in Assessment Objective B. The paper will contain mainly of questions requiring a short response, a word, a phrase or one or two sentences, although there will be some questions requiring a more extended response. There will be no choice of questions. The questions will test knowledge and understanding of the curriculum content.

Paper 2 (2 hours 30 minutes) (30% of final mark)
A practical test of 80 marks assessing practical skills.
**Paper 3** (2 hours 30 minutes) (30% of final mark)
A practical test of 80 marks assessing practical skills.

The two practical tests will each comprise a number of tasks to be taken under controlled conditions. The practical tests focus on the candidate's ability to carry out practical tasks rather than to explain the theory of how the tasks are completed. Candidates are assessed on their ability to complete these tasks.

**Post IGCSE Opportunities:**

IB and A levels in ICT
Most of the other courses that you will study after IGCSE will expect you to be proficient in ICT.
The study of ICT provides you with skills for a variety of positions in business, government, research, education, publishing, as well as in the cultural, entertainment, and communications industries. ICT as a major is versatile and helps you develop skills useful in many career fields.

**Contact for further information:**

Mr Oh (Head of Technical Creative Faculty)
sengeng_oh@tenby.edu.my
IGCSE MUSIC

Why should I choose IGCSE Music?

- To extend your creative skills through composing and performing music.
- To work within a team through rehearsing and performing in a band or ensemble.
- To gain self-confidence through performing to an audience.
- To learn and understand about the development of music from around the world.
- To provide a solid foundation for the progression to music related courses, and a possible career in music professions.
- To choose a very practical course that is both relaxing and fun!

Is it for me?

- Do you enjoy listening, playing, or writing music?
- Are you open minded and like to listen to different styles of music?
- Do you already play a musical instrument or have an interest in starting to?
- Are you creative?
- Do you enjoy working with others as well as on your own?

Course Content:

The Music IGCSE course is divided into three sections with practical music making being at the heart of the programme through performing and composing. You will also develop your perception and appreciation of Western Classical music, and music from non-Western traditions.

The components include:

1. Listening
   a. To develop your awareness and understanding of Western Classical music from the baroque period to the 20th Century.
   b. To identify and comment on a range of music from countries and cultures around the world.

2. Performing
   a. Prepare, rehearse and perform one solo performance of your own choice.
   b. Prepare, rehearse and perform a piece of your own choice within a band or ensemble.

3. Composing
   a. Create a piece of music in the Western Classical style.
   b. Create a piece of music in ANY style of your choice.

How will I learn?

A variety of learning methods are used throughout the IGCSE Music course which includes rehearsing, performing, composing, presentations, group work, music analysis, and self-assessment.

How will I be assessed?

Because of the emphasis on practical work on this course, the majority of marks are given to performing and composing. The breakdown of component weightings looks like this:

1. Listening – 1 hour and 30 minute written examination – 40%
2. Performing – Two performances to be completed within the two year course – 30%
3. Composing – Two compositions to be completed within the two year course – 30%

Please note: As 60% of the music IGCSE is assessed through practical coursework, it is highly recommended that students receive tuition on their first instrument. This can be from an outside teacher, or from instrumental lessons arranged in school.

Post 16 Opportunities:

Music is an ideal topic for:

- Further/Higher Education in Music.
• Further/Higher Education in Performing Arts.
• Further/Higher Education in Media Studies.
• Careers in the music industry:
  o Session musician
  o Music therapist
  o Sound engineer
  o Teacher

Besides careers in music, many employers in other areas of work like to see potential candidates who have qualifications in music. This is because musicians are often critical thinkers, creative, have an open minded approach to problems, and work well within a team.

Contact for further information:

Mr Nick (Music Coordinator)
nicholas.mcgauley@tenby.edu.my
IGCSE PHYSICAL EDUCATION

Why should I choose IGCSE Physical education?

- I am practically good within physical education lessons
- I like to keep fit and healthy and want to learn more about how the body works
- I am good at retaining information
- I would like a career in the sports industry/field
- I DO LIKE sitting exams
- I am interested in improving my performance in different sports.

Course Content:

- You will need 4 Sports Activities from at least 2 of these categories: Games, Dance, Athletic Activities, Outdoor & Adventurous activities, Swimming, Combat Activities
- There is a verbal exam
- You will cover a range of sports in your lessons and your teacher will decide which are your 4 best sports to be entered for the exam
- There is a 1 hour 45 minute exam at the end of the two year course
- You will need to be able to demonstrate your ability to analyse & improve yours and others performance in different activities.

How will I learn?

- In lessons you will be encouraged to work as part of a team and to take on leadership roles
- Practice your 4 sports at a high level in IGCSE lessons
- Through acquiring knowledge on a broad range of sporting components
- Work independently at times, especially with regard to the theory sessions
- Through active learning styles

How will I be assessed?

You can be assessed as a player, coach or referee at 2 to 4 different sports

- 50% of my mark is based on your practical performance
- 10% is a on your ability to analyse and improve performance in a chosen activity.
- 40% is on your performance in a written exam sat at the end of the two year course.
- PE staff will assess GCSE students during and at the end of each block of work.

Post 16 Opportunities

- Go onto do Coaching Courses
- refereeing Courses
- a career in sport/fitness
- study AS/A2 level PE at sixth form college
- study a higher course in sport at college
- go onto study; science, anatomy & physiology
- CSLA Community Leadership Award or Sports Leader Award
- University to study Sports Science or Physical Education
- Career in the Leisure Industry
- PE Teacher

Contact for further information:

Mr Richard (Head of PE)
richard.lukats@tenby.edu.my
HUMANITIES FACULTY
IGCSE BUSINESS STUDIES

Why should I choose Business Studies?

Business studies give you a general understanding of the business activity in the public and private sectors. It equips you with the skills, knowledge and understanding which employers seek. During the first year of the IGCSE, students learn how businesses are organized and owned, and topics as varied as the internal working of the company. Students develop both critical and analytical skills, by means of solving case studies.

The topics covered are:

- The purpose of business Activity and its types
- Forms of Business Activity: Sole trader, partnership, private companies and Plc's
- Government influences of Business
- Accounting, the basics of profit and loss account, balance sheet and ratio analysis
- Organisation Structure, Communication, motivation
- Employee - Employer associations, trade unions

During the second year of the course, some of the portions covered are marketing, organizing production and location of business. The assessments are done by giving students case studies relating to the topic covered. The student is required to write an answer using the knowledge acquired and relating it to the case study. The case studies are chosen from IGCSE past papers.

The Final IGCSE Exam consists of two papers of 100 marks each. In Paper 1 there are five case studies worth 20 marks each. The second paper is a long case study worth 100 marks each, which carries a similar weightage of 50%.

Business Studies is a broad discipline that will provide students with a range of skills and knowledge to help choose their specialization later as a career, whether it be as Marketing head or a Human resource manager. It is designed for the student who needs to be able to analyze a business, write a report or read a balance sheet.

The students are enthusiastic about business because it is dynamic and ever-changing. Various topics like profit being the sole motive of business, with people working only for financial gains, product oriented business or market oriented business are debated and discussed. This gives the students the skills to express their views and to listen to counter-arguments. Role plays like a mock trade union are conducted, where one group represents employees and another represents the employer. A thorough discussion is carried out by the employees discussing their problems, and the employers defend their stand. Most current business news is discussed.

Benefits

After gaining an initial knowledge of Business, students are qualified for a wide range of careers in the public and private sectors, including Business, Finance, Journalism, Marketing, Public Sector Management, etc. They have taken up a variety of careers, including:

- Banking
- Accountancy
- Retail
- Running the family Business
- Higher Education
- Local Government
- Manufacturing
- Self-employed (establishing own business).

For further information, contact:
Ms Grace Mooi (Business Studies Coordinator)
gracemooi@tenby.edu.my
IGCSE GEOGRAPHY

Why should I choose IGCSE Geography?

The world is changing at a rapid rate, faster than it ever has before. As geographers and stewards of this planet, our role is more important than ever. By studying Geography, students are able to explain these changes as well as make a real difference to global, national and local issues. It is a subject about now and the future – a future that you will be part of and that you can influence and change.

‘Statistics show that compared with other subjects Geographers are amongst the most employable.’

This is because Geography is such a diverse subject and equips you with the skills, knowledge and understanding that employers seek. It’s also relevant, fascinating, challenging and valued/highly rated by colleges and universities.

What Knowledge and Skills Will I Learn?

- Excellent communication skills
- The ability to work within a team
- The ability to work within a team
- Excellent numeracy and literacy skills
- Computer literacy
- The ability to manage time and multi-task
- Spatial awareness
- Problem solving ability

The above list of skills will provide Geography students with a long and varied list of careers to choose from.

Geography has an excellent record for graduate employment in the following careers/industries:

- Journalist
- Meteorologist
- Statistician
- Immigration
- Accountancy
- Stock Broker
- Outdoor pursuits
- Air Traffic Controller
- Customs and Excise
- Leisure and Tourism
- Environmental Officers
- VSO Developmental Work
- Import and Export
- Geologist
- Retail Management
- Farm Manager
- Cartographer
- Armed Forces
- Teaching
- Town Planning
- Engineering
- Nature Conservation
- Advertising
- Marketing and many more...

How will I be assessed?

- **PAPER 1** This exam paper will test your knowledge on the topics learnt during forms 4 & 5 such as population, settlement, rivers, coasts, tourism and volcanoes and earthquakes. 45%
- **PAPER 2** This exam paper will test your geographical skills such as map reading and will examine your ability to analyse geographical information. 27.5%
- **PAPER 3/4** You will complete an exam based on fieldwork and fieldwork techniques (all of the skills & knowledge learned on field trips) or complete a field work investigation. 27.5%

FIELDTRIPS

An important part of Geography - previous fieldtrips have included:

- Bali, Indonesia (volcano trekking, rice paddy cycling, coral reef snorkeling, tourism, river studies, etc.)
- Langkawi, Malaysia (rice paddy, tourism, coastal studies, etc.)
- Penang National Park (rainforest & coastal)

For further information, contact:
Ms Alison (Geography Coordinator)
alison_kilpatrick@tenby.edu.my
IGCSE HISTORY

‘To remain ignorant of things that happened before you were born, is to remain a child’ – Cicero

Why should I choose IGCSE History?

Studying History helps you understand how the world has come to be the way it is. How the world we live in today was shaped and defined by the key events of the last century. Understand your world!

The subject is important, fascinating, challenging and highly rated by colleges.

The skills for higher education and employment, which the History course provides are: Individuals who are independent researchers. The ability to interpret and analyse challenging pieces of information. Skills of description, explanation and evaluation. The ability to use and interpret graphs, newspaper articles and speeches. Good communication skills. Computer literacy.

Course content

You will learn about the key events from the 20th Century; The Causes of World War One, The Peace Treaties of 1919-1923, Germany 1918-1945, the League of Nations and the Collapse of International Peace - the Causes of World War Two.

Each year there is a different prescriptive topic: some past topics have included the Vietnam War, Korean War, Cold War and the Collapse of the Soviet Union.

How will I learn?

Throughout the course we will be doing regular tests and exam questions. Other learning methods include: Independent research, oral presentations, group work, extended writing, peer and self-assessment.

Recent fieldtrips include:
Penang War Museum

How will I be assessed?

The course (CIE History) is exam based. There are 3 exam papers all taken at the end of year 11 in June - each focuses on different skills The breakdown is as follows:

Paper 1: Core topics (see above) and Depth Study (Germany 1918-45) - 2 hour exam (40% of final mark)
Paper 2: Prescribed topic- Source based exam - 2 hour exam (33% of final mark)
Paper 4: Alternative to coursework - Depth Study (Germany) - 1 hour exam (27% of final mark)

Post 16 opportunities:

Careers in which knowledge of History would be useful include:
Lawyer
Journalist
Teaching
Diplomat
Politician
Lecturer
Government Official
Management
And many more...

Contact for further information:
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