<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome</td>
<td>3</td>
</tr>
<tr>
<td>Accounting</td>
<td>4</td>
</tr>
<tr>
<td>Additional Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>Art</td>
<td>7</td>
</tr>
<tr>
<td>Biology</td>
<td>8</td>
</tr>
<tr>
<td>Business Studies</td>
<td>9</td>
</tr>
<tr>
<td>Chemistry</td>
<td>10</td>
</tr>
<tr>
<td>Chinese Language</td>
<td>11</td>
</tr>
<tr>
<td>Foreign Language - Mandarin Chinese</td>
<td>13</td>
</tr>
<tr>
<td>Combined Science</td>
<td>14</td>
</tr>
<tr>
<td>Drama</td>
<td>15</td>
</tr>
<tr>
<td>Economics</td>
<td>17</td>
</tr>
<tr>
<td>English Language</td>
<td>18</td>
</tr>
<tr>
<td>English Literature</td>
<td>20</td>
</tr>
<tr>
<td>French</td>
<td>21</td>
</tr>
<tr>
<td>Geography</td>
<td>23</td>
</tr>
<tr>
<td>History</td>
<td>24</td>
</tr>
<tr>
<td>Information &amp; Communication Technology (ICT)</td>
<td>25</td>
</tr>
<tr>
<td>Malay Language</td>
<td>26</td>
</tr>
<tr>
<td>Mathematics</td>
<td>27</td>
</tr>
<tr>
<td>Music</td>
<td>28</td>
</tr>
<tr>
<td>Physics</td>
<td>29</td>
</tr>
<tr>
<td>Physical Education</td>
<td>30</td>
</tr>
</tbody>
</table>
CONTACT US:

Kolej Tuanku Ja’afar
71700 Mantin
Negeri Sembilan Darul Khusus
Malaysia

Tel:
06-7582561 (General Line)

Fax:
06-7582953 (Principal's Office)
06-7582996 (Bursar's Office / Admin)
06-7581139 (Registrar's Office)

E-mail:
principal@ktj.edu.my (Principal's Office)
bursar@ktj.edu.my (Bursar's Office / Admin)
registrar@ktj.edu.my (Registrar's Office)

Web site:
www.ktj.edu.my
Welcome to IGCSE years at Kolej Tuanku Ja’afar

The IGCSE years will set a strong foundation for any students hoping to maximise their academic achievements, whilst taking their first step towards choosing a potential career. The programme is well developed and will help to prepare students for their further studies. At KTJ, there is a clear focus on academic excellence, but we also harness the individual’s ability to learn outside the traditional classroom environment. We constantly look for latest classroom innovations to enhance students’ learning process. Our teachers are encouraged to similarly innovate and cater for individual student’s need. Students work together to achieve this goal but there is an equal emphasis on development as independent learners.

The results you receive at IGCSE can be crucial when it comes to future university applications. Universities may request a student’s IGCSE results for entry into their institution, or to allow a student entry into a certain course. The IGCSE provides a foundation to prepare and cope with the A level subjects, which is why course selection is very important. There are a number of important factors to consider before finalising your IGCSE options. If you already have a plan about what career you would like to do, then it is advisable to select subjects that support that career choice. Try and select options that are aligned to your natural abilities. If you are very strong in one subject and weaker in another, it is best to select the one which you think you will fare better in, overall. Students need to have a certain amount of natural aptitude to study a subject for an IGCSE exam, so keep that in mind when making your selections. Finally, consider that you will need a good spread of subjects. Ideally, you will have a combination of Arts, Sciences and Humanities. The curriculum is tailored to the student’s individual choices, and we do our best to offer students their first choice options in the vast majority of cases.

We are proud to offer our students’ individual academic monitoring and support, in order to succeed within school, and beyond. The Head of Year, Form Tutors, Houseparents, and House Tutors all work closely to supervise the progress of each student. Support for the more gifted and talented students is available as is intervention for those who are not coping as well as expected. Individual attention also comes from the Houseparents and House Tutors, who supervise students during prep time in the boarding houses. Personal, social and health education, although not part of the formal IGCSE requirement, is also given much emphasis at KTJ. The holistic education of each student is key to ensure academic success is matched with equal success in other aspects of student life.

The IGCSE years here are focused on achieving and celebrating success in all areas of student life. Academic excellence and helping develop your children into well-rounded young adults, are at the heart of what we strive to achieve at KTJ.
ACCOUNTING (2010)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

SCHEME OF ASSESSMENT:

All candidates should be entered for Paper 1 and Paper 2, which are compulsory papers. These papers will contain questions based on the whole syllabus, and will be graded A* to G. Discrimination between the papers will be based on the assessment objectives.

<table>
<thead>
<tr>
<th></th>
<th>Duration</th>
<th>Total marks</th>
<th>Weighting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper 1</td>
<td>1 ¾ hours</td>
<td>120</td>
<td>50%</td>
<td>Structured question paper with 8 -12 multiple choice items and short answer questions. Paper 1 will usually consist of between 4 to 5 questions drawn from topics across the whole of the syllabus. All questions are compulsory and will mainly test Knowledge and Understanding, with some Analysis and Evaluation. Candidates answer on the question paper.</td>
</tr>
<tr>
<td>Paper 2</td>
<td>1 ¾ hours</td>
<td>120</td>
<td>50%</td>
<td>Structured questions paper. Paper 2 will usually consist 4 to 6 questions drawn from topic across the whole of the syllabus. All questions are compulsory and will test Knowledge and Understanding, but with an emphasis on Analysis and Evaluation. Candidates answer on the question paper.</td>
</tr>
</tbody>
</table>

SYLLABUS:

The purpose and functions of Accounting:
- Identify business assets and liabilities.
- Recognise accounting statements.

Accounting principles and policies:
- Business entity concept, duality, money measurement, realization, consistency, matching, prudence and going concern.
Sources and recording of data:
- Invoices, credit and debit notes, trade and cash discounts, cash book and journals.
- Double entry book-keeping and the ledgers.

Verification of accounting records:
- Prepare a trial balance.
- Recognise errors which do not affect the trial balance.
- Bank reconciliation statement

Adjustments required for final accounts:
- Accrued and prepaid expenses and income, depreciation, bad debts and stock valuation.

Preparation and principles of final accounts:
- Sole trader, partnership incomplete records, limited liability companies, clubs & societies, manufacturing.

Analysis and interpretation:
- Accounting ratios

SUGGESTIONS FOR FURTHER STUDIES
- A Level Accounting
- Accountancy and Finance, Management and Business Studies at University.
ADDITIONAL MATHEMATICS (0606)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

This syllabus is intended for high ability learners who have achieved, or are likely to achieve, grade A*, A or B in the Cambridge IGCSE Mathematics examination.

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.

The syllabus has a Pure Mathematics only content which enables learners to acquire a suitable foundation in mathematics for further study in the subject.

All candidates will take two written papers.

The syllabus content will be assessed by Paper 1 and Paper 2.

<table>
<thead>
<tr>
<th>PAPER</th>
<th>DURATION</th>
<th>MARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper 1</td>
<td>2 hours</td>
<td>80</td>
</tr>
<tr>
<td>10–12 questions of various lengths No choice of question</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper 2</td>
<td>2 hours</td>
<td>80</td>
</tr>
<tr>
<td>10–12 questions of various lengths No choice of question</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SYLLABUS
Set language and notation, Functions, Quadratic functions, Indices and surds, Factors of polynomials, Simultaneous equations, Logarithmic and exponential functions, Straight line graphs, Circular measure, Trigonometry, Permutations and combinations, Binomial expansions, Vectors in 2 dimensions, Matrices, Differentiation and integration.

Grades A* to E will be available for candidates who achieve the required standards.
ART (2FA01)

QUALIFICATION: GCSE
EXAM BOARD: EDEXCEL

Art is a GCSE paper offered by the Edexcel Examination Board. Art gives opportunity for students to develop personal expression, encourages imagination, sensitivity, conceptual thinking, powers of observation, analytical abilities and practical-orientation.

The aims of this syllabus in Art are to stimulate, encourage and develop:

- The ability to perceive, understand and express concepts and feeling.
- The ability to record from direct observation.
- The ability to utilise appropriate materials and techniques.
- Confidence and initiative.
- An awareness and appreciation of Art.
- The ability to identify, research and evaluate problems.
- Experimentation and innovation

There are no specific requirements for any student to take the GCSE Art subject. However, the Art Department will monitor students' progress while they are in Form 3, and provide the feedback to individual students of their strengths and weaknesses. There are 2 papers offered by the board where students are required to do both. The first paper is the 5FA01, personal studies (coursework). The themes for the personal studies will be selected and developed by centers. Students must include supporting and personal responses. It is internally set, marked and standardised. Work produced for assessment under a controlled environment will consist of approximately 45 hours of supervised activities.

The other paper is 5FA02, the externally set assignment by the exam board. The assignment consists of one externally set, broad based thematic starting point. The assessment is based on the students own preparatory work and 10 hours of examination. This paper will be internally marked and externally moderated.

PAPERS/SYLLABUS

5FA01 Personal Portfolio (course work)

5FA02 Externally Set Assignment.
BIOLOGY (0610)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

EXAM PAPERS: AS SHOWN BELOW

<table>
<thead>
<tr>
<th>Paper</th>
<th>Type</th>
<th>Duration</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Multiple Choice</td>
<td>45 minutes</td>
<td>30%</td>
</tr>
<tr>
<td>2</td>
<td>Structured</td>
<td>1 hour, 15 minutes</td>
<td>50%</td>
</tr>
<tr>
<td>3</td>
<td>Practical</td>
<td>1 hour</td>
<td>20%</td>
</tr>
</tbody>
</table>

SYLLABUS:
- The biology syllabus starts with microbiology and the analysis of differences between plant and animal cells. There is a practical component on microscope use and how to draw specimens and calculate magnification. Students will also be made aware of the classification of organisms and how different organisms are placed in various taxa.
- The study of nutrition is a large component studying the diet and how different enzymes act during the process of digestion. This leads onto the study of transport systems in both plants and animals. In animals attention focuses on the heart and circulatory system and in plants the work of the xylem and phloem to transport water and sugar.
- Excretion is primarily focused on animals where the function of the liver and kidney is examined. Other organ systems studied include the reproductive and nervous system. The course is very modern with a genetics and biotechnology component to explain how antibiotics and other drugs are manufactured and have an impact on both the body and pathogenic organisms.
- The final part of the course looks at Ecosystem and biodiversity which is the study of whole organisms in their natural environment.

A LEVEL/UNIVERSITY COURSES
Environmental Science, Medical Lab Technology, Natural Science, Education, Medicine, Biotechnology, Biochemistry, Microbiology, Genetics, Food Science.

Note: Students who take this subject should have an enthusiasm for learning about humans, plants, the environment and micro-organisms.
BUSINESS STUDIES (0450)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

EXAM PAPERS: 2 Papers of 1 ¾ hours each. Each paper has equal weighting i.e. 50%

Paper 1: Consists of short-answer questions and structured/data response questions.

Paper 2: Students are presented with a business situation or problem and they are required to answer questions arising from it.

SYLLABUS
- Business and the environment in which it operates.
- Business Structure, Organisation and Control.
- Business activity to achieve objectives: Marketing, Production, Financial information and decision-making.
- People in Business – human needs and rewards.
- Regulating and controlling business activity

A LEVEL/FURTHER COURSES
Although not essential as a requirement for A levels, this course will provide the potential A level student with the necessary basic background on which to build his future studies. It will prepare the student for the vast volume of work required in his future business studies and will serve as a useful basis for any further commercial subject.
CHEMISTRY (0620)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

EXAM PAPERS: There are 4 papers:

<table>
<thead>
<tr>
<th>Paper</th>
<th>Type</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Multiple Choice</td>
<td>30%</td>
</tr>
<tr>
<td>2</td>
<td>Core structure</td>
<td>50%</td>
</tr>
<tr>
<td>3</td>
<td>Core structure, extended</td>
<td>50%</td>
</tr>
<tr>
<td>5</td>
<td>Practicals</td>
<td>20%</td>
</tr>
</tbody>
</table>

There are two tiers to choose from:

a. Higher tier: Highest grade is A*  
   (comprising Papers 1, 3 and 5)

b. Lower tier: Highest grade is C  
   (comprising Papers 1, 2 and 5)

SYLLABUS:
Chemistry involves the study of experimental and practical science. At the end of the course the students should be able to recognize the usefulness and limitations of scientific methods and their application in everyday life. The student should also be aware of the impact of Chemistry on the environment. They will cover the reactions the elements of the periodic table, bonding, methods of purification, atomic structure, chemical energetics, redox reactions, calculation of moles, writing equations, electrolysis, rates of reactions, study and extraction of metals, organic chemistry, titrations and chemical analysis.

A Level/Further Courses:
The extended higher tier will prepare the student for A-Level Chemistry. Medicine requires Chemistry. Chemical Engineering, Biochemistry, Food Science are amongst the university courses, with Chemistry as a subject.
CHINESE LANGUAGE (0509 / 0547)

QUALIFICATION:
(a) IGCSE First Language Chinese (0509)
   (only for those who have strong foundation in the language)

(b) IGCSE Foreign Language Mandarin Chinese (0547)
   (for candidates who possess basic foundation in the language)

EXAM BOARD: CAMBRIDGE

EXAM PAPERS:
(a) IGCSE First Language Chinese
   Grades: A* - G

SCHEME OF ASSESSMENT
All candidates take Components 1 and 2 and are eligible for the award of grades A* to G.

Candidates will take:

<table>
<thead>
<tr>
<th>Component 1: Reading</th>
<th>Duration of Examination</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 hours</td>
<td>60%</td>
</tr>
</tbody>
</table>

And:

<table>
<thead>
<tr>
<th>Component 1: Writing</th>
<th>Duration of Examination</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 hours 15 minutes</td>
<td>40%</td>
</tr>
</tbody>
</table>

DESCRIPTION OF PAPERS
The question papers will be set entirely in the target language.
Texts and questions will be printed in both traditional and simplified characters on the question paper. Candidates will be able to choose the form they prefer in the examination and may write their answers in either traditional or simplified characters.

Dictionaries may not be used in the examination.

Component 1: Reading (2 hours)
Questions will relate to two passages of approximately 1200–1400 characters in total, linked by a common theme. These passages will be printed on the question paper.
Question 1 (25 marks) will be divided into a series of sub-questions requiring answers of different lengths. These will be based on Passage 1. Question will test Reading Objectives 1-4 (20 marks). In addition, 5 marks will be available for the accuracy of the language in which answers are expressed.

Question 2 (25 marks), which may be sub-divided, will require candidates to write a summary of approximately 225-275 characters based on Passage 1 and Passage 2.

Up to 15 marks will available for Reading Objectives 1-3 and 10 marks Writing (5 marks for Style and Organisation and 5 marks for Accuracy of Language).

**Component 2: Writing (1 hour 15 minutes)**
Candidates will be required to write one composition to be chosen from either of the following two sections.

- Section 1 – Discussion and Argument.
- Section 2 – Description and Narration.

8 titles will be set in total. Candidates will be required to write between 400 and 600 characters on their chosen title.

40 marks will be available for Writing Objectives 1-5.
(b) IGCSE Foreign Language Mandarin Chinese

Candidates are tested on their listening, speaking, reading and writing skills.

<table>
<thead>
<tr>
<th>CORE CURRICULUM</th>
<th>EXTENDED CURRICULUM (Core + Supplement)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades: C to G</td>
<td>Grades: A* to G</td>
</tr>
<tr>
<td>Paper 1 (33%)</td>
<td>Paper 1 (25%)</td>
</tr>
<tr>
<td>Listening (35 minutes) sections 1, 2 and 3</td>
<td>Listening (35 minutes) sections 1, 2 and 3</td>
</tr>
<tr>
<td>Paper 2 (33%)</td>
<td>Paper 2 (25%)</td>
</tr>
<tr>
<td>Reading and directed writing (1 hour 30 minutes) Sections 1, 2 &amp; 3</td>
<td>Reading and directed writing (1 hour, 30 minutes) Sections 1, 2 &amp; 3</td>
</tr>
<tr>
<td>Paper 3 (33%)</td>
<td>Paper 3 (25%)</td>
</tr>
<tr>
<td>Speaking (15 minutes)</td>
<td>Speaking (15 minutes)</td>
</tr>
<tr>
<td>Paper 4 (25%)</td>
<td>Paper 4 (25%)</td>
</tr>
<tr>
<td>Continuous Writing (1 hour, 15 minutes)</td>
<td></td>
</tr>
</tbody>
</table>

**Paper 1:** All rubrics and question will be expressed in Chinese.

**Paper 2:** Consists of objective questions, e.g. multiple-choice, box ticking, matching exercises, grid filling and short answers.

**Paper 3:** Role play tasks, topic conversation and general conversation.

**Paper 4:** Candidates are required to produce two written essays of 150 characters each.
COMBINED SCIENCE (0653)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

All candidates must enter for three Papers.
- Paper 1,
- one from either Papers 2 or 3
- and one from Papers 4, 5 or 6.

<table>
<thead>
<tr>
<th>Paper</th>
<th>Duration</th>
<th>Marks</th>
<th>% of the total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>45 minutes</td>
<td>45</td>
<td>30</td>
</tr>
<tr>
<td>2 (Core Theory Paper) Or 3 (Extended Theory Paper)</td>
<td>1 hour 15 minutes</td>
<td>80</td>
<td>50</td>
</tr>
<tr>
<td>4 or 5 (Practical Test) Or 6 (Alternative to Practical Paper)</td>
<td>Coursework 1 hour 30 minutes</td>
<td>80</td>
<td>20</td>
</tr>
</tbody>
</table>

BIOLOGY TOPICS
- Cells
- Energy In Living Organisms
- Transport and Co-Ordination
- Reproduction and Genetics
- Organisms In Their Environment

CHEMISTRY TOPICS
- Atomic Structure and Bonding
- Periodic Table, Formulae, Equations
- Metals and Non-Metals
- Acids, Bases and Salts
- Chemical Reactions
- Fuels and Polymers

PHYSICS TOPIC
- Measurement and Motion
- Energy
- Electricity
- Heat
- Waves
- Radioactivity
Although traditionally thought of as a performance subject, Drama at IGCSE level helps students develop transferable skills in leadership, teamwork, planning and development, and self-criticism, as well as self-confidence, which will be vital to them in whatever career path they choose.

Former KTJ students have gone on to work in or study film and theatre in the UK, USA, Thailand, Prague and Singapore, but many more have found the skills they developed in the subject useful in a wide variety of careers.

Aims and objectives

The aims of the Drama course are to:
• Develop candidates’ understanding of Drama through practical and theoretical study.
• Enable candidates to realise the performance possibilities of text and other stimuli.
• Encourage the use of dramatic forms and structures to communicate feelings and ideas to an audience.
• Foster the acquisition and development of skills in Drama, both individually and in groups.
• Develop understanding of the processes leading to performance and the elements involved creating a performance and to develop evaluative ability across the various stages of performance work.
• Stimulate an enjoyment of drama.

Course Content

The three main focuses for the course are:
Understanding - Candidates should be able to demonstrate understanding of the performance possibilities of text and other stimuli and the differing roles of actor, director, stage manager and technician in the realisation.
Devising - Candidates should be able to demonstrate the ability to devise dramatic material and reflect on its effectiveness.
Performance Skills - Candidates should be able to demonstrate performing skills in Drama.

ASSESSMENT

There are two forms of assessment:
All candidates take Paper 1 (Written Examination - Weighting 40%) and Paper 2 (Coursework - Weighting 60%)
1 Written examination paper
(Duration - 2 hours 30 minutes)
There will be three sections. The paper will require responses to a pre-released text and three stimuli, and provide opportunity for reflection on, and evaluation of the practical work.

This Paper is based on four pieces of pre-released material: an extract from a play, and three stimuli. The three stimuli will consist of short titles, phrases, scenarios and quotations.

Candidates will prepare the extract and all three stimuli by creating drama based on the material.

Questions on the Paper will cover: Characterisation, Role, Pacing, Contrast, Dynamics, Spatial awareness, Physicality, Tension and other features as appropriate.

2 Coursework
(Internally assessed and externally moderated)

Each candidate will submit a total of three pieces of practical work: two group pieces and one individual piece.

One individual piece: either original devised work or a performance of an extract from a published play. The individual piece must last no longer than 5 minutes.

Two group pieces: one original devised piece and one performance of an extract from a published play. Each group piece must last no longer than 15 minutes. The prescribed group size is between two and six candidates.

Candidates will also be expected to demonstrate some understanding of the role of set, lighting, sound, costume and make-up as well as an appreciation of the issues facing directors and stage managers.

COURSE STRUCTURE
During the first year of the course students will explore a range of drama techniques and experiment with different styles of performance. In the first term of the second year they will produce the group performance coursework for unit two. Individual performances will be recorded in January, shortly after the December break, and the remainder of the course will be spent preparing the practical work for the written exam.
ECONOMICS (0455)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

SCHEME OF ASSESSMENT
Candidates who have followed the curriculum are eligible for the award of grades A* to G.

Candidates will be required to take three papers.

<table>
<thead>
<tr>
<th>Grades available: A* to G</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper 1 (45 minutes)</td>
<td>20%</td>
</tr>
<tr>
<td>30 multiple-choice items</td>
<td></td>
</tr>
<tr>
<td>(all questions to be answered).</td>
<td></td>
</tr>
<tr>
<td>Paper 2 (2 hours)</td>
<td>50%</td>
</tr>
<tr>
<td>Structured questions.</td>
<td></td>
</tr>
<tr>
<td>Candidates must answer</td>
<td></td>
</tr>
<tr>
<td>Section A and three</td>
<td></td>
</tr>
<tr>
<td>questions in Section B.</td>
<td></td>
</tr>
<tr>
<td>Paper 3 (1 hour 30</td>
<td>30%</td>
</tr>
<tr>
<td>minutes)</td>
<td></td>
</tr>
<tr>
<td>Analysis and Critical</td>
<td></td>
</tr>
<tr>
<td>Evaluation. Novel date</td>
<td></td>
</tr>
<tr>
<td>will be presented for</td>
<td></td>
</tr>
<tr>
<td>interpretation and analysis of a real</td>
<td></td>
</tr>
<tr>
<td>economic situation.</td>
<td></td>
</tr>
</tbody>
</table>

The aims of this subject are to enable candidates to:
1. Develop a sound knowledge and understanding of economic terminology and principles and elementary economic theory;
2. Develop basic economic numeracy and literacy and the ability to handle simple data including graphs and diagrams;
3. Use the tools of economic analysis in particular situations;
4. Identify and discriminate between differing sources of information and to distinguish between facts and value judgements in economic issues.
5. Employ economic skills, with reference to individuals, groups and organizations in order to understand better the world in which they live;
6. Participate more fully in decision – making process, as consumers and producers and as citizens of the local, national and international community;
7. Develop an understanding of the economies of developed and developing nations and of the relationships between them; and to appreciate these relationships from the perspective of both developed and developing nations.
ENGLISH LANGUAGE (0500 / 0510 / 0511)

QUALIFICATION: IGCSE ENGLISH FIRST LANGUAGE, IGCSE ENGLISH AS A SECOND LANGUAGE
EXAM BOARD: CAMBRIDGE

EXAM PAPERS:

<table>
<thead>
<tr>
<th></th>
<th>Reading</th>
<th>Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td>IGCSE ENGLISH FIRST LANGUAGE</td>
<td>Available in Core and Extended Tiers. The Core paper is made up of shorter questions based on two reading pieces, while the Extended paper requires three longer responses to three texts.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A paper that requires two pieces of writing to be produced – one essay and one functional piece.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An exam requiring two tasks – an individual presentation and a conversation about wider social issues.</td>
</tr>
<tr>
<td></td>
<td>Speaking and Listening</td>
<td>Available in Core and Extended Tiers. A series of reading comprehension and short functional writing pieces.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Available in Core and Extended Tiers. A variety of different listening texts with questions requiring short answers.</td>
</tr>
<tr>
<td></td>
<td>Oral</td>
<td>A ten to fifteen minute conversation on a factual topic.</td>
</tr>
</tbody>
</table>

English Language is a core subject for all students. The Department strives to cater for the needs and abilities of all students by offering IGCSE English First Language and IGCSE English as a Second Language, both on Core and Extended Tiers. Students decide with their English teachers whether to enter for the Core or Extended examinations of these subjects based on their internal assessment performance.

At the beginning of Form Four, students are placed in English sets based on a combination of the following: subject choices, entrance exam results, Checkpoint results and a standardised internal assessment written in the first week of term. Sets may be adjusted over the course of Form Four – generally after mid- and end-of-term assessments – but we try and maintain stable class groups throughout Form Five.
A LEVELS/FURTHER COURSES
These courses provide a strong foundation for university and A Level courses in Journalism, Publishing, Marketing, Literature and Mass Communication. They also provide the skills necessary for success in subjects with essay-type assessment, such as Psychology, Economics, Linguistics and History.
ENGLISH LITERATURE (0486)

QUALIFICATION: IGCSE LITERATURE (ENGLISH)
EXAM BOARD: CAMBRIDGE

EXAM PAPERS:

<table>
<thead>
<tr>
<th>IGCSE LITERATURE (ENGLISH)</th>
<th>Paper 1 – Set Texts, Open Book</th>
<th>This paper has three sections: drama, poetry and prose. Three longer questions will be answered, covering three texts studied in class.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Paper 3 – Unseen texts</td>
<td>This paper requires students to apply their literary analysis skills to answer one longer question on an unseen text.</td>
</tr>
</tbody>
</table>

English Literature is an elective which can be studied alongside English Language, resulting in two IGCSE awards. The course aims to provide students with a background in the various genres of English Literature; develop their analysis and inference skills; promote an appreciation of literature; and enable them to use literature to explore social issues.

This is a demanding course, recommended for those who have a solid background in the English language and those who have a passion for reading. The texts set are often those used in A Level studies, so it is essential that a student is willing to invest time and energy into engaging meaningfully with these texts from the start of the course, especially if they do not have first language English ability.

A LEVELS/FURTHER COURSES
This course provides a strong foundation for university and A Level courses in Law, Linguistics, Journalism, Publishing, Marketing, Literature and Mass Communication.
FRENCH (0520)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

EXAM PAPERS:
In order to grade the students according to their actual capability, there are two types of assessment: one scheme is for students expecting to get a grade below C (Core), the other is for those expected to get a grade above C (Extended). The latter do the Core papers and an extra paper.

<table>
<thead>
<tr>
<th>CORE – Grades: C to G</th>
<th>EXTENDED – Grades A to G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper 1: listening – 45 minutes. This paper contains a variety of types of questions: multiple choice, box-ticking, matching exercises (in which candidates choose an appropriate letter from a list), grid filling, answering questions.</td>
<td></td>
</tr>
<tr>
<td>Paper 2: reading and directed writing - 90 minutes - Type of questions: multiple-choice, box-ticking, matching exercises (in which candidates choose an appropriate letter from a list), grid filling. Other question types, usually on longer texts, require candidates to give short answers in the target language.</td>
<td></td>
</tr>
<tr>
<td>Paper 3: speaking - role plays, presentation on a specific topic (prepared in advance, general conversation – 15 minutes</td>
<td></td>
</tr>
<tr>
<td>Paper 4: continuous writing – candidates are expected to produce two pieces of continuous writing. The first of the two tasks will be fairly structured and the second one will be more creative (narrative, descriptive, etc.).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEIGHTING OF PAPERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
</tbody>
</table>

Students who want to sit for the IGCSE examination should have reached a communicative level of French being able to deal with everyday topics and the equivalent grammar. It is therefore recommended to have studied French for a minimum of 3 years.
French (spoken in all 5 continents by more than 175 millions of people, official language of 32 countries) is a definite asset for those who are interested in careers involving:

- Journalism
- Diplomacy
- Business
- Hotel business and Management
- Fashion
GEOGRAPHY (0460)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

EXAM PAPERS
a) Paper 1: 1 hour 45 minutes (75 marks)
Candidates answer any three questions out of six. There are two questions set on each of three themes. Questions are structured with gradients of difficulty and are resource based, involving problem-solving and free response writing.
(75 marks, weighted to 100 marks)
45% of total marks

b) Paper 2: 1 hour 30 minutes
Candidates answer all the questions. The paper is based on testing the interpretation and analysis of geographical information and on the application of graphical and other techniques as appropriate. The questions will not require specific information of place. One question is based on a 1:25 000 or 1:50 000 topographical map of a tropical area such as Zimbabwe, the Caribbean or Mauritius. (60 marks)
27.5% of total marks

c) Paper 4: 1 hour 30 minutes
Alternative to Coursework
Candidates answer all the questions, completing a series of written tasks based on the three themes. The questions involve an appreciation of a range of techniques used in fieldwork studies. Questions test the methodology of questionnaires, observation, counts, measurement techniques and may involve developing hypotheses appropriate to specific topics. The processing, presentation and analysis of data will be tested. (60 marks)
27.5% of total marks

SYLLABUS
1. Population and settlement
2. The natural environment (Plate tectonics, Landforms and landscape processes, weather, climate and natural vegetation, Inter-relationships between the natural environment and human activities
3. Economic development and the use of resources (Agricultural systems, Industrial systems, Energy and water resources, Environmental risks and benefits: resource conservation and management, Leisure activities and tourism)
4. Geographical investigation / geographical skills / map work / graphs, etc.

A LEVELS/FURTHER COURSES
Geography is a highly versatile subject. It equips a student for both A level sciences and / or humanities.
HISTORY (0470)

QUALIFICATION: GCE O LEVEL
EXAM BOARD: CAMBRIDGE
EXAM PAPERS: 1 Paper – 2 ½ hours

Questions are essay type, structured into two parts – the first part requires description and carries 14 marks. The last part will require analysis or interpretation and will carry 6 marks.

SYLLABUS – divided into 5 sections namely:

A) International Relations and developments – Europe in the aftermath of World War;
   (i) The League of Nations, Causes and consequences of Second World War, The United Nations, Cold War and its development

B) Western Europe – The internal history and foreign relations of selected European countries namely Italy and Germany

C) Americas – Issues in US foreign relations after World War I, The political, economic and social developments of USA from 1920 to 1970s

D) Soviet Union and Eastern Europe – Events in Russia in 1917, Russia the Communist state, Rise of Soviet Union – its internal history and foreign relations of Soviet Union from 1920s to 1991

E) Asia – Conflicts and developments within China from 1920 to 1949. It would be at an advantage for students to have a good command of the English Language and considerable interest in the past and current affairs. The possible university courses one could take are: law, journalism and archaeology with possible careers as antique dealers, archivist, civil service office, researcher etc.
INFORMATION AND COMMUNICATION TECHNOLOGY - ICT (2IT01)

QUALIFICATION: GCSE
EXAM BOARD: EDEXCEL

Exam Papers: Single Award

<table>
<thead>
<tr>
<th>Paper or Component</th>
<th>Mode of Assessment</th>
<th>Weighting / Marks</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 1 (Living in a Digital world)</td>
<td>Written Paper</td>
<td>40% / 80</td>
<td>1 hour 30 minutes</td>
</tr>
<tr>
<td>Unit 2 (Using Digital Tools)</td>
<td>Practical Unit</td>
<td>60% / 80</td>
<td>Controlled Assessment</td>
</tr>
</tbody>
</table>

Written paper
The Examination paper is a question and answer booklet consisting of five compulsory questions.
A variety of question styles are used: multiple-choice, short answer, extended writing and open response.
The paper starts with a brief scenario so that students engage with the questions.

Practical Unit (Controlled Assessment)
Students complete one task broken down into four activities.
Activity 1 involves gathering information and creating publications.
Activity 2 consists of modeling activity using a spreadsheet and creating digital publications. The publications will include information generated from the model.
Activity 3 requires students to produce a design and test it to demonstrate its effectiveness. The final stage of the activity will see the design subject to a review.
In activity 4 students evaluate the products they have produced and their own performance.

Knowledge and skills
Students broaden and enhance their ICT skills and capability. They work with a range of digital tools and techniques to produce effective ICT solutions in a range of contexts. They are able to explore how digital technology impacts on the lives of individuals, organisation and society. They develop awareness of the risks that are inherent in using ICT and the features of safe secure and responsible practice.
MALAY LANGUAGE (0546)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

EXAM PAPERS
The elements in the assessments are as follows:

<table>
<thead>
<tr>
<th>CORE CURRICULUM</th>
<th>WIEIGHTING</th>
<th>EXTENDED CURRICULUM</th>
<th>WEIGHTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades: C to G</td>
<td></td>
<td>Grades: A* to E</td>
<td></td>
</tr>
<tr>
<td>Paper 2</td>
<td>54%</td>
<td>Paper 2</td>
<td>35%</td>
</tr>
<tr>
<td>Reading and directed writing (1 ½ hours) Sections 1, 2 &amp; 3</td>
<td></td>
<td>Reading and directed writing (1 ½ hours) Sections 1, 2 &amp; 3</td>
<td></td>
</tr>
<tr>
<td>Paper 3</td>
<td>46%</td>
<td>Paper 3</td>
<td>30%</td>
</tr>
<tr>
<td>Speaking (15 minutes)</td>
<td></td>
<td>Speaking (15 minutes)</td>
<td></td>
</tr>
<tr>
<td>Paper 4</td>
<td></td>
<td></td>
<td>35%</td>
</tr>
<tr>
<td>Continuous writing (1 ¼ hours)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The IGCSE Malay is important as it is a requirement for Malaysian students who wish to work in Malaysia. As for the non-Malaysians, it can be used as a supplementary to their IGCSE results.

It is compulsory for all Malaysians to take this subject while it is optional for non-Malaysians.
MATHEMATICS (4MA0)

QUALIFICATION: IGCSE
EXAM BOARD: EDEXCEL

Higher Tier (Papers 3H and 4H)

Higher Tier students will take Papers 3H and 4H. Questions in the Higher Tier paper are targeted at grades in the range A*– D. There is a ‘safety net’ grade E for students who narrowly fail to achieve grade D.

<table>
<thead>
<tr>
<th>Paper code: 4MA0/3H and 4MA0/4H</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Two written papers.</td>
</tr>
<tr>
<td>• Each paper is assessed through a two-hour examination set and marked by Edexcel.</td>
</tr>
<tr>
<td>• The total number of marks for each paper is 100.</td>
</tr>
<tr>
<td>• Each paper weighted at 50% of the qualification, targeted at grades A* – D.</td>
</tr>
</tbody>
</table>

Content overview

Knowledge of the Foundation Tier content is assumed for students being prepared for the Higher Tier.

• Number
  – Numbers and the number system
• Algebra
  – Equations, formulae and identities
  – Sequences, functions and graphs
• Geometry
  – Shape, space and measure
  – Vectors and transformation geometry
• Statistics

Note:
It is compulsory for all students to take this subject.
MUSIC (2MU01)

QUALIFICATION: GCSE
EXAM BOARD: EDEXCEL

The course comprises three units.

Unit 1
Performing Music
\textit{(internally assessed)} 30%  
- One solo performance  
- One ensemble performance

Unit 2
Composing Music
\textit{(internally assessed)} 30%  
- Two compositions, or  
- Two arrangements, or  
- One composition and one arrangement

Unit 3
Music: Listening and Appraising
\textit{(externally assessed)} 40%  
- Knowledge and study of set works

Examination: written paper lasting 1 hour 30 minutes

\textit{Students doing this course should be competent on an instrument or voice and should have at least a basic understanding of music notation and theory.}
PHYSICS (0625)

QUALIFICATION: IGCSE
EXAM BOARD: CAMBRIDGE

EXAM STYLE: All candidates will need to sit 3 papers. – Multiple choice, short answer questions and practical assessment Core Curriculum: Papers 1, 2 & 5 Extended Curriculum: Papers 1, 3 & 5

<table>
<thead>
<tr>
<th>CORE CURRICULUM</th>
<th>EXTENDED CURRICULUM</th>
<th>WEIGHTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades: C – G</td>
<td>Grades: A* - G</td>
<td></td>
</tr>
<tr>
<td>Paper 1 (45 minutes) Compulsory multiple choice paper. Forty items of the four-choice type, designed to discriminate between grades C to G. The questions will be based on the Core curriculum.</td>
<td></td>
<td>30%</td>
</tr>
<tr>
<td>Paper 2 (1 hour, 15 minutes) Core theory paper consisting of 80 marks of short-answer and structured questions, designed to discriminate between grades C to G. The questions will be based on the Core curriculum.</td>
<td>Paper 3 (1 hour, 15 minutes) Extended theory paper consisting of 80 marks of short-answer and structured questions designed to discriminate between grades A to D. The questions will be targeted at higher grades and will be based on Core material and the remainder on the Supplement.</td>
<td>50%</td>
</tr>
<tr>
<td>Paper 5 (1 hour 15 minutes) Practical Assessment Candidates will not be required to use knowledge outside the Core curriculum. Questions cover experimental and observational skills.</td>
<td></td>
<td>20%</td>
</tr>
</tbody>
</table>

Physicists end up in all sorts of interesting jobs and are virtually never unemployed, because of their broad training and adaptability. In particular they are needed at the start of new technologies and machines, or in particularly challenging projects such as space missions, remote explorations, and failure assessment.
PHYSICAL EDUCATION (2PE01)

QUALIFICATION: GCSE
EXAM BOARD: EDEXCEL

Edexcel’s GCSEs in Physical Education:
• Encourages creativity and decision-making skills to enable students to plan effectively for performances and to respond to changing situations.
• Prepares students to make informed decisions about further learning opportunities and career choices.
• Enables students to become increasingly physically competent through being actively engaged in a range of physical activities, and to become increasingly effective in their performance in different types of physical activity and roles such as player/participant, leader and official.
• Enables students to develop their ability to engage independently and successfully in different types of physical activity, and to develop and maintain their involvement in physical activity as part of a healthy, active lifestyle.

The Edexcel GCSE in Physical Education comprises of two units:

Unit 1: The Theory of Physical Education - 40% Total Mark

Overview of Content

Section 1.1: Healthy, active lifestyles
Section 1.2: Your healthy, active body

Overview of Assessment

This unit is assessed through an externally set examination. The examination is 1 hour and 30 minutes, and includes multiple-choice, short-answer, and longer-answer questions. The total raw mark available is 80.

Unit 2: Performance in Physical Education - 60% Total Mark

The students are assessed on 4 different areas of practical activity. This can be through the role of performer, leader or official. Students will also be assessed in Observation and Analysis of a Sporting performance
The total raw mark will be 50.