



Curriculum Information
Spring 2018-19
Year 10

Non Mihi, Non Tibi, Sed Nobis

Coordinated Science Double Award (Mr. Marc Edmonds)

The IGCSE course continues this term as we build upon the fundamental concepts studied in term one. The main emphasis will be on Biology as we study breathing, respiration, the heart and circulation and review plant nutrition. In Chemistry we will introduce the concept of the Mole as a unit measure of particles as we study stoichiometry and look at the main types of chemical reactions. Our Physics section of the course looks at motion, energy and energy transfer, the concept of work and power. We also examine the links between Physics and Chemistry as we study how electricity is connected to chemical reactions.

English (Mr. Michael Hayes and Ms. Leanne Evans)

This term students will be completing coursework which is an element of their IGCSE English Language qualification. Students will be responding to, evaluating and analysing a written argument and presenting their own responses and counter-arguments to the issues which they have identified within the article. For this coursework they will need to demonstrate their ability to respond to, and infer from texts, as well as their ability to articulate their ideas in a sophisticated manner. During the second half of the term students will be looking at a number of short stories from the "Stories of Ourselves" collection. This unit forms part of their English Literature IGCSE Paper 1 and will also teach them how to write a narrative piece of coursework for the English Language IGCSE. As well as demonstrating an in depth understanding of the stories, the pupils will need to be able to analyse the language and the structure used by the authors to convey their messages.

Business Studies (Ms Lily Ho)

This term, Year 10 Business Studies students will be studying all about Marketing. We will be looking at the different types of market research, marketing mix and marketing strategies. Students will gain experience of how a Research and Development department operates by designing their own product, using all these techniques learnt, to promote what they have made.

Pure Science (Mrs. Nellie Wong - Biology , Mr. John Foo - Physics and Chemistry)

Biology- Picking up from last term, the students will continue with animal transport, learning about the circulatory system and its associated diseases. They will also learn about the respiratory system and how smoking affects the body. The students will then move onto the excretory system and learn in more detail about the structure of the kidneys and how it functions to filter our blood. They will also learn about treatments, should the kidney(s) fail to perform. We aim to revise what was previously taught towards the end of the term.

Chemistry: Students will be learning about the trend and properties of the Periodic Table. They also will learn how to differentiate the chemical reactions and properties of the elements among Group I, VII, VIII, and the transition metals. Students will also be taught about the test for water and its treatment, the composition of the air and its common pollutants. Besides, they will be introduced to writing chemical formulae and balancing equations. Lastly, students will need to learn how to calculate reacting quantities, to investigate percentage yield and percentage purity.

Physics: At the beginning, students will be exposed to measurements and units. They will learn about forces and motion and be able to distinguish between mass and weight. Students will learn about forces and the turning effects, and the pressure in liquids and gasses. They will explore the concept of energy, work and power, and to distinguish between renewable and non-renewable sources of energy. Finally, students will about the thermal effects and the methods of heat transfer.

Extended Maths (Mr Shahrul Afzanizam and Ms. Yogeswari Boghan)

This term, the students will be learning five main topics: Expanding and factorising, Formulae, Further algebraic method, Indices and linear graph. The textbook will be used extensively during lessons in order to ensure the students are well-prepared with the knowledge and understanding. Apart from that, the students will be exposed to exam-typed questions taken from past IGCSE papers. This will greatly help the students to build their understanding and confidence in the Extended Maths course as part of their preparation for IGCSE in 2020.

Global Perspectives (Ms Lily Ho)

This term, Year 10 Global Perspective students will be improving their research and justification skills by studying all about different cultures. We will be targeting the topics of the use and wastage of food and water around the world as well as looking at traditions, cultures and identities of different countries. Students will be able to evaluate the information found to make recommendations on how we can become more moral citizens.

Music (Ms. Carrena Tung)

During term 2, we will continue to forge ahead with the exam curriculum as a basis to further explore performance and compositional skills. The pupils will study the four areas of 20th century music required for section A of the exam; Jazz, Impressionism, Neo-classicism and Minimalism. From these four areas, there will be more open compositional tasks, allowing the pupils to develop their compositional voices. We will practise identifying and manipulating more complex harmonic progressions including modulations and pivot chords. The class will also prepare solo performance pieces to be performed at Twilight concerts. They will be expected to pay particular attention to expression and articulation in order to access the higher marks for their performance coursework.

Art and Design (Mr Mohd Shahrul Hasfis)

This term the Year 10's will be continuing their studies with the IGCSE Geography syllabus. They will learn about foundation of drawing and painting based on the IGCSE Art and Design exam assessment objective. They will learn about still life drawing, perspective drawing and much more. They also will learn how to use water colour in order to complete their IGCSE coursework.

Additional Mathematics (Ms Yogeswari Boghan)

This term will begin with Coordinate Geometry, Linear law, Functions, Trigonometric functions and identity. Revision of the previous topics will be part of this term too. The students will be exposed to exam-typed questions and problem solving questions in order to brush up their knowledge and understanding, as well as to build their confidence in Additional Mathematics as part of their preparation for IGCSE.







History (Mr David Geary)

After spending the autumn term exploring the interwar period, this term the class will move onto the post-World War II era, and more specifically the start of the Cold War and some of the pivotal events from this era. Pupils will explore the breakdown of the World War II alliance, the Berlin Blockade, the Korean War and the Cuban Missiles Crisis. Whilst pupils will continue to develop their essay writing skills, this term will also expand the skills focus to explore different types of source questions as well as using source evidence to support essay writing.

Mandarin as a 1st Language (Ms. Heng Yue Shi)

During this term, students will learn about the topic of Historical and Heroic Figures and Natural Landscapes. Throughout the Heroic person, students will get to know the history as well. This term, students will develop their skill on argumentative writing. At the end of the term, students will be able to write compositions of around 400-500 words. Besides, they will be exposed to more Classical Chinese text and master the skills to answer the questions.

Mandarin as a 2nd Language (Ms. Pang Sook Yee)

During this term, students will learn about the topic of Environment. Through related video clips and other information, they will explore the surrounding environment more deeply. To improve their critical writing, students will develop the skill of critical matters and events. Students will also improve their research and presentation skills by doing writing practice in class. They will also become familiar with the topics and examination method through doing past papers. They will also learn some listening skills during this term. At the end of the term, students will be able to write compositions of around 250-300 words.

Mandarin as a Foreign Language (Ms. Soon Saw Imm)

This term, the students will learn the topic of "housing environment" and "school facilities". They will look at a range of comprehension passages which will contain the different types of sentence structure and vocabulary. These will be used as models for the students to create their own pieces of writing, especially theme based writing. Oral discussions will also enable students to have the opportunity to express themselves with more confidence. Listening tasks will take place on various types of articles from different themes to sharpen their listening skills so that they can be better prepared to face the challenge of IGCSE Paper 1. Students will be expected to write 80-100 words using appropriate vocabulary and sentence structure. The students will be expected to write a continuous piece of writing of 120 -150 words with varied vocabulary and appropriate sentence structure.

Bahasa Malaysia Language (Mrs. Rabiahtul Bazariah & Mrs. Pattmagowri Muniandy)

Throughout this term in Bahasa Malaysia, Year 10 students will be working around the topics of sports and healthy living. They will be developing their skills in all four areas: listening, speaking, reading and writing. Students will be doing activities in small groups and also role play activities. They will continue to work in groups as well as independently and will have the opportunity to expand their grammatical knowledge in order to further manipulate the language. This term, students will be focusing on Two components of grammar: Simpulan Bahasa (Phrasal verbs) and Peribahasa (Idioms). This term we will focusing more on oral and writing skills based on IGCSE requirements so that students will be familiar with the format.

ICT (Ms Lily)

During the Spring Term, students will be looking at improving their ICT skills in Data Manipulation. Students will learn how to design and use suitable software tools to create an appropriate database record structure, which they will then learn how to use appropriate search and sort functions to create tables of data, using a single criterion and using multiple criteria, with a variety of operators such as: AND, OR, NOT, LIKE, >, <, =, >=, <=. Students will also be learning skills in Data Analysis where they will create and edit a data model, learn about different uses of formulae, including: sum, average, maximum, minimum, integer, rounding, counting, LOOKUP, VLOOKUP, HLOOKUP, IF and nested functions. Students will then be able to present their information in different formats of tables and graphical images.

Physical Education (Mr. Jack Beattie, Mr. Dennis Lee, Ms. Emily Tan & Mr. Vinod Shanmugam)

During this term, students will take part in Athletics focusing on the three skills of running, throwing and jumping. Students will be required to show increased levels of precision and accuracy in each discipline. In the second half of term, students will focus on Net and Wall games where they will develop their skills in Volleyball and Badminton. Year 10 girls will participate in a Swimming unit, where they will learn how to be safe and confident in the water using swim and survive techniques. They will recap how to enter and exit the pool safely and begin to complete activities designed to develop their freestyle, breaststroke, backstroke and butterfly techniques.

Physical Education iGCSE (Mr. Jack Beattie)

This term, students will begin with the 'Health Fitness and Training' unit where students will be learning diet and energy resources, components of fitness and the best methods of training. Students will continue to develop their sporting ability towards different sports in their chosen coursework models. Finally, student will begin to be assessed and moderated in their first chosen sport as part of their coursework.

Geography (Ms. Maryam Wallace)

Following on from a successful first term, pupils will continue their exploration of physical geography with topics such as weathering, agriculture, climate and vegetation. Within each topic the marking framework remains the same with case studies being the focus of each and every topic as these hold the most marks. Students will have to revise a tremendous amount of content and will conclude their studies within each topic by investigating a case study. There will be an assessment at the end of each unit, taken directly from the Cambridge Exam Board.



UNIVERSITY of CAMBRIDGE
International Examinations

Cambridge International School



📍 No.2, Lilitan Sungai Tiram, 11950 Bayan Lepas, Penang, Malaysia.

☎ +604 643 1815

✉ info@sisgroup.edu.my

Upcoming Events

8 th Jan	Start of the Term
14 th – 18 th January	Book Week
14 th January	Thaipusam Assembly
21 st – 22 nd January	Thaipusam Break
24 th January	Whole School Science Fair
1 st – 10 th February	Half Term Break
15 th February	Chinese New Year Assembly
18 th – 27 th February	Assessment Week
14 th March	Pi Day for Secondary and Maths Day for Primary
18 th March	Spring Reports Out
20 th March	Parents Evening
20 th March	Year 9 Option Parents Meeting
21 st March	Kangaroo Maths Competition
22 nd March	End of Term Certificate and Easter Assembly
23 rd March – 7 th April	Spring Break