



Curriculum Information
Autumn 2018-19
Year 11

Non Mihi, Non Tibi, Sed Nobis

Co-ordinated Sciences (Mr. Marc Edmonds)

We begin this term by looking at the different types of waves and how waves behave. We study sound and light in detail and investigate reflection, refraction, diffraction and dispersion. Optic cables are explained as we look at critical angles and total internal reflection. We then go on to look at the whole electromagnetic spectrum. Our Biology topics will include Homeostasis, coordination and response and introduce genetics as we review reproduction. The Chemistry components will look at the reactions of metals, acids, carbonates and the uses of sulphur.

English (Mr Michael Hayes and Miss Leanne Evans)

This term, the pupils will be studying a collection of poetry called 'Songs of Ourselves, Volume Two.' This collection of poetry will focus on the themes of home and family. The poems are varied in style and structure and they include poems written in the 18th century and more contemporary choices. This unit forms part of their English Literature IGCSE Paper 1. As well as demonstrating an in depth understanding of the poetry, the pupils will need to be able to analyse the language and the structure used by the poets to convey their messages.

Extended Mathematics (Ms Yogeswari Boghan and Mr Shahrul Afzanizam)

This term will begin with Matrices (multiplication and inverse matrices), Transformations (reflection, rotation, translation, enlargement and matrices), Area and Volume (planes of symmetry, surface area and volume), Congruency and Similarity (area and volume of similar shapes and increase and decrease in a given ratio). Revision of previous topics will be part of this term too. Students will be exposed to past IGCSE questions in order to prepare them for IGCSE exams next year.

Additional Mathematics (Ms.Yogeswari Boghan)

This term, the focus will be on four challenging topics of the IGCSE Additional Mathematics Curriculum; namely Differentiation, Rates of Changes, Higher Derivatives, Derivatives of Trigonometric Functions and Exponential and Logarithmic Functions. The students will be exposed to exam-type 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.

Business Studies (Ms Lily Ho)

During the Autumn term, Year 11 Business studies students will be reviewing topics which they previously studied in Year 10 which includes Understanding Business Activity, Marketing and Financial Information and Decisions. We will also be studying sources of finance available to companies and People in Business, looking in-depth at how companies are organised, recruitment and selection process and how to motivate workers. All the theoretical knowledge learnt will then be used to answer exam style questions for their mock exams in Term 2.

Mandarin as a second Language (Ms. Heng Yue Shi)

This term, students will focus on the ICGSE preparatory work, analysing paper one and paper two. They will become more familiar with the examination format and ready for the coming examination. They will also learn to prepare themselves for listening and speaking exam. For their writing, they will focus on descriptive writing, to exposed and practice with more vocabularies and good writing examples. Lastly, students will also be encouraged to read more Chinese novels.

Global Perspectives (Ms Lily Ho)

Students will have completed their Individual Report coursework, this term their focus will shift to practising the skills needed to successfully complete the Group Project component of the course. In order to achieve this, students will explore a series of enquiries under the any given topic from the option choices. This is designed to allow the class to work in groups and practise skills such as designing questionnaires to collect data and collaborating with partner schools in other countries. In addition, students will also continue to explore past paper exam questions in order to help them prepare for their mock exams in Term 2 and ultimately the final exam next summer.

Pure Science (Mrs. Nellie Wong Su Chee-Biology , Ms. Loh Lay Goay-Physics and Mr. John Foo Yook Hon-Chemistry)

Biology: Year 11 will start the term learning about asexual and sexual reproduction. We will investigate the reproductive organs of plants and humans, pregnancy and birth process. Next, students will learn about DNA, genes and how they determine the different characteristics in humans. They will be able to discover what determines their blood type and how genes pass down from one generation to the other. Students will learn how to make genetic diagrams that will enable them to calculate phenotype ratios and predict the risk of certain gene related disability such as colour blindness. This will transition smoothly into the next topic which is variation. This topic discusses the process on how these different characteristics are formed, how they are selected for in the evolution process as organisms adapt to their environmental surroundings. We will then start revising previous topics in preparation for their mock exams.

Chemistry: Students will be learning about conductors and insulators, and the principles, reactions, examples and uses of electrolysis. Students will be studying the energy changes in

reactions, energy from fuels, batteries, and reversible reactions. Further on, students will be investigating the rates of reaction and factors affecting the rates, catalysts and some photochemical reactions. Students will be exploring the properties and chemical reactions of acids and alkalis, and the methods of making salts. Students will be developing further in their experimental skills to identify gases and ions too. Lastly, they exposed to the characteristics of metals, the reactivity series and its uses in some chemical reactions.

Physics: Students will be learning about light and its properties such as reflection, refraction and dispersion of light. Further on, they will learn about different type of lenses, the types of electromagnetic waves and their characteristics. Developing from the unit of 'Electricity', students will be studying about 'Magnets and currents' which starts from the study of permanent magnets and then leads on to electromagnets and devices such as electric motors, generators and transformers. Finally, students will develop further of their knowledge on energy to specify on heat energy which includes the methods of heat transfer such as conduction, convection and radiation in the unit of 'Thermal Effects'.

Malay Language (Malay Language (Mrs. Rabiahtul Bazariah & Mrs. Pattmagowri)

The themes for this term are "Amalan Gaya Hidup Sihat, Masyarakat Tempatan and Pertanian". The main objective is for students to acquire balanced proficiency in reading, writing, listening and speaking. New vocabulary will be introduced from time to time to enhance their foundation in grammar, reading comprehension, conversation and essay writing. In addition, students will also learn the language by reading newspapers, educational articles and academic papers. During lessons, students will be exposed to three major components throughout the semester, such as Essay writing (Penulisan), Reading comprehension (Pemahaman) and Grammar (Tatabahasa). In addition, such lessons will also help students improve their presentation skills through essay writing and oral presentations.





Geography (Mr Christopher Terry)

The final stretch has come for the Year 11 Geography class as they have completed their first year. topics left are weathering, development and the environmental risks of economic development. Once completed students will move onto Geographical skills and then spend any spare time before Christmas reviewing content and past papers for all material covered thus far in the course. The work ethic of the Year 11 class has been very impressive and I believe that the completion of the journey through IGCSE Geography will end with outstanding academic results.

Mandarin as a 1st Language (Ms. Pang Sook Yee)

In the first half term, students will review and focus on the different types of narrative writing skills, including openings and final paragraphs. Students will study the topic of personality and will have an opportunity to develop the skills to write a summary based on two passages. During the second half term, they will focus on IGCSE preparatory work by analysing past papers. They will become familiar with the examination format and the timing limitations.

Mandarin as a 2nd Language (Ms. Soon Saw Imm)

This term, the students will learn the topics of "House layout", "House furniture" and "Gifts". They will look at a range of comprehension passages which will contain the different types of sentence structure and vocabulary. They are expected to write 80-100 words using appropriate vocabulary and sentence structure in IGCSE Paper 4 Guided Writing. Role play and oral discussions will also be given emphasis to enable students to have the opportunity to express themselves with more confidence to make them ready for IGCSE Paper 3: Speaking. Listening tasks will be taken from various types of articles with different themes to sharpen their listening skills so that they can better face the challenge of IGCSE Paper 1. The students will be expected to write a continuous piece of writing composed of 120-150 words with varied vocabulary and appropriate sentence structure.

Music (Ms.Carrena Tung)

The IGCSE course is divided into three components: composing (30%), performing (30%) and a written paper (40%). This term will be used to solidify existing knowledge and to complete the composition course work element of the course. Two compositions will be developed with contrasting orchestrations. Performance practices will also be integrated into the term. These will take place at the Twilight Concerts and performing opportunities to peers. Interspersed within the composition tasks, will be opportunities to develop theoretical skills, aural awareness, performance skills and key vocabulary. The pupils will be expected to complete homework tasks which include using interactive websites, learning key vocabulary, preparing for performances and analysing set works.

History (Mr. David Geary)

Now that class have completed the majority of the Core Content from the course in year 10, this year their focus will shift to completing the depth study: the USA, 1919-1941. This term students will focus on exploring three out of four key questions within this section of the course. In these three key questions pupils will investigate why the American economy boomed in the 1920s; how far American society changed in the 1920s, and the causes and consequences of the Wall Street Crash. Throughout these enquiries, students will further consolidate their skills of historical explanation and argumentation, as well as further honing their source handling skills.

ICT (Ms Lily Ho)

During the Autumn term, Year 11 ICT students will be reviewing skills which they previously studied in Year 10 which includes Document Production, Data Manipulation, Presentations, Data Analysis and Web Authoring. These skills will then be tested against practical exam based questions in preparation for their mock exam in Term 2. The practical tests have a 60% weighting of the final IGCSE grades. Students will also be studying topics to help them to review and extend their theoretical knowledge in preparation of their theory exam.

Art And Design (Mr. Mohd Shahrul Hafis)

This term, students will learn about drawing and painting. For the first half term, they will learn about drawing. They will learn about types of drawing and skills. They will focus on the skill in drawing, rendering, toning and will learn about various type of materials. For another term, they will learn about the painting skill based on the art stream history. Students will become progressively more confident, skilled and versatile. I will also teach them to make sure that they will be able to work with various type of materials and skills before they face an exam.

Islamic Studies (Mrs. Rabiahtul Bazariah)

During the Autumn term, Year 11 will be focus on cleanliness of the place that we live in daily, What are the important of the cleanliness of the place and how it's give impact to our prayers every day.



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Upcoming Events

3 rd September	1 st day of Term
9 th -10 th September	Agong's Birthday (Public Holiday)
11 th September	Awal Muharram (Public Holiday)
16 th -17 th September	Malaysia Day (Public Holiday)
29 th September	SIS Family Day
24 th October	Halloween Disco
29 th October – 2 nd November	Challenge Week
3 rd November-11 th November	Half Term Break
6 th November	Deepavali (Public Holiday)
19 th November-20 th November	Prophet Muhammad's Birthday (Public Holiday)
24 th November	International Day
4 th December	Twilight Concert
5 th December	Entrepreneur Day
17 th December	Parents Evening
20 th December	Prizegiving Ceremony and Christmas Assembly
21 st December-7 th January	Winter Break