



Curriculum Information
Autumn 2017-18
Year 11

Non Mihi, Non Tibi, Sed Nobis

Science (Mr. Anthony Binger)

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 Mike Hayes and Miss Leanne Evans)

This term the pupils will complete three external examinations. Paper 2, as part of their English Language IGCSE, will test their reading and comprehension skills – as well as their ability to analyse language in depth. In preparation for this the pupils should be utilising past papers and addressing the targets set for them. Moreover, the pupils will be completing two examinations as part of their IGCSE English Literature course. Paper 1 will focus on the novel 'Spies,' in addition to 14 poems from 'Songs of Ourselves'. Paper 3 will focus on the play 'A View from a Bridge.' For both of these exams the pupils must show a good understanding of the texts studied and analyse language in depth.

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 (Mr. Shahrul Afzanizam)

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)

During the Autumn term, Year 11 Business studies students will be reviewing topics which they previously studied in Year 10 which includes Business activity, motivating workers, internal and external communication, marketing and production of goods and services. Students will learn additional topics such as: types of business organisations, recruitment and selection and training of workers and break even analysis and use all their theoretical knowledge to answer exam style questions in order to prepare them for their mock exams in November.

Economics (Ms. Lily)

During the Autumn term, Year 11 Economic students will be reviewing topics which they previously studied in Year 10 which includes theories and principles in the basic economic problem: choice and the allocation of resources, the allocation of resources in how the market works; market failure and the individual as a producer, consumer and borrower. Students will also learn to be able to distinguish between facts and value judgments in economic issues. Students will also practice examination questions so that they can experience and improve on the forthcoming mock exams.

Global Perspectives (Mr. Chris Terry)

Now that the class 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 topic of "Disease and Health", 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 November and ultimately the final exam next summer.

Pure Science (Ms. HuiYen-Biology , Mr. John-Physics and 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 'Reaction Rates' which includes the rates of reaction, changing the rates of a reaction, catalysts and photochemical reactions. Further on, they will be studying the energy changes in reactions, energy from fuels, batteries, and reversible reactions in 'Energy changes, and reversible reaction'. Concerning metal, students will be learning the reactivity series, the characteristics of metals, and their methods of extraction and uses. They will also learn about some non-metals such as hydrogen, nitrogen, sulphur and carbon, and the making of their compounds such as ammonia, fertilisers, sulfuric acid and carbonates. Students will be exposed to the knowledge on greenhouse gases and the issue of global warming too.

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. Jeff)

The stretch run has come for the Year 11 Geography class as they near the end of their first Geography unit. Chapters left are water & energy, farming, 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. Good luck!

Edmodo code: zstwkf

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 "Stationery" 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 120-180 words with varied vocabulary and appropriate sentence structure.

Music (Ms. Ellie Saunders)

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 (Mrs. Haniza Hussin)

Students have begun doing their revision for IGCSE exams. This term focuses mainly on the Practical components such as Communication (Email and Internet), Document Production (Word Processing), Data Analysis (Spreadsheets), Data Manipulation (Database), Website Authoring and Presentation Authoring. Students will be responding to extensive practical exercises to familiarise themselves with the real exam format.



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Upcoming Events

28 August 2017	First Day of Autumn Term
21 September 2017	Malaysia Day School Celebration
22 September 2017	Awal Muharram (Islamic New Year)
13 October 2017	Deepavali School Celebration
14-22 October 2017	Half Term Break
18 October 2017	Deepavali
26 October 2017	Halloween Disco
1 December 2017	Prophet's Birthday
18 December 2017	Parents Evening
19 December 2017	Christmas School Celebration
19 December 2017	Last Day of School