

**Thematic Overview / Year 10 / Autumn 1**

**2016-2017**

Dear Parent / Guardian

Please find attached our Thematic Overview for Year 10 Autumn 1.

I would like to take the opportunity of this booklet to highlight the importance of daily attendance, school work and Home Learning routines, healthy diet and regular sleep pattern on a child’s achievement.

We hope that this Thematic Overview will give you a clear picture of the work being carried out by your child in school and enable you to facilitate their learning at home.

The activities being carried out encourage your child to review past learning, access and retain new knowledge, as well as develop and practise a variety of key skills to prepare them for ambitious goals.

Yours sincerely

Ms L. Gonzalès

Head of Secondary

**English** --------------------------------------------------------------------------------------------------------------------------

**First Language**

This year, the students will be beginning their IGCSE English Language course. This will consist of producing three pieces of coursework and being introduced to the reading examination paper. The students will take a mock assessment of question one of the examination paper in October.

The exam assessment objectives covered this half term are:

* Demonstrate understanding of explicit meanings.
* Demonstrate understanding of implicit meanings and attitudes.
* Analyse, evaluate and develop facts, ideas and opinions.
* Demonstrate understanding of how writers achieve effects.
* Articulate experience and express what is thought, felt and imagined.
* Sequence facts, ideas and opinions.
* Use a range of appropriate vocabulary.
* Use register appropriate to audience and context.
* Make accurate use of spelling, punctuation and grammar.

**Second Language**

This half term, the students will be preparing for the IGCSE English Second Language Listening paper. The students will complete a variety of speaking and listening activities with a focus on listening comprehension in order to prepare for the listening portion of the IGCSE exam. Alongside the listening focus, the students will continue to develop their reading and writing skills through a variety of tasks and activities.

The exam assessment objectives covered this half term are:

* Identify and retrieve facts and details.
* Understand and select relevant information.
* Recognise and understand ideas, opinions and attitudes and the connections between related ideas.
* Understand what is implied but not actually stated e.g gist, relationships between speakers, speaker's purpose/intention, speaker's feelings, situation or place.
* Identity and retrieve facts and details.
* Understand and select information.

**English Literature (First Language)** -------------------------------------------------------------------------

This half term, the students will begin independent reading of the set text ‘Spies’ by Michael Frayn, in preparation for their literature exam. Full studies of their exam will begin during the Summer Term.

**Mathematics** ----------------------------------------------------------------------------------------------------------------

This year will see the students prepare for their IGCSE exams to be sat in Year 11. They will also have regular exams hosted in class to review learning over shorter time scales. This serves as benchmark and feedback to your child as well as yourself and informs on the areas of development that need further support to establish mathematically-able and confident students who are able to succeed in exams, and apply their learning to a broader context. In support of this, the students will be studying the following this half term:

* Integers and place value
* Decimals
* Indices, powers and roots
* Factors, multiples and primes
* Algebra
* Expressions and substitution into formulae

**Science / Biology, Chemistry, Physics** ---------------------------------------------------------------------

This half term, the learning objectives for each unit to be taught in Chemistry / Biology/ Physics will give an overview of Year 10 expectations that will help parents to facilitate and support Home Learning and revision of the topics. It is vital that the students do their home tasks as set.

Chemistry

*The particulate nature of matter*

* Describe the structure of solids, liquids and gases in terms of particle separation, arrangement and types of motion.
* Explain changes of state in terms of the kinetic theory. Describe qualitatively the pressure and temperature of a gas in terms of the motion of its particles.
* Describe and explain Brownian motion in terms of random molecular bombardment, describe and explain diffusion.

*Experimental techniques*

* Name appropriate apparatus for the measurement of time, temperature, mass and volume.
* Demonstrate knowledge and understanding of paper chromatography and interpret simple chromatograms.
* Describe and explain methods of purification.

Biology

* Characteristics and classification of living organisms.
* Describe the terms movements respiration, sensitivity, growth, reproduction, excretion and nutrition.
* List the features in the cells of all living organisms.
* List the main features used to place all organisms into one of the five kingdoms.
* Construct and use simple dichotomous keys based on easily identifiable features.
* Describe and compare the structure of a plant cell with an animal cell
* Define tissue, organ, organ system.
* Calculate magnification and size of biological specimens.

Physics

* Length and time
* Motion
* Mass and weight
* Density
* Forces
* Turning effect
* Conditions for equilibrium
* Centre of mass
* Scalars and vectors
* Momentum
* Energy
* Energy resources
* Work
* Power
* Pressure

**Global Perspectives** ----------------------------------------------------------------------------------------------------

This half term, the students will learn:

* To research topics accurately
* How the world is connected
* How the world has developed
* How ICT has evolved and how is it used to connect the world
* What TNCs are and how they affect us
* Manufacturing locations and requirements for building a factory
* To contemplate what will happen in the future of this global world

Global Perspectives is a hands-on course that allows students to gain experience in research and analysis, which are vital components of any course in Key Stage 5. The students will be assessed on a project and a final unit test this term.

**French** ---------------------------------------------------------------------------------------------------------------------------

This half term, the students will

* Talk about themselves and ask questions to someone else about new topics
* Memorise, read, write and listen to new vocabulary relating to what they like and do not like to do, their family members, their friends and sports using the present and perfect tense as well as new adjectives and adverbs
* Read a short text and to answer various questions

**Expressive Arts** ------------------------------------------------------------------------------------------------------------

This half term, the students will learn:

* About impressionist music and the important use of timbre
* About the work of an important impressionist composer, Debussy, and his use of scales, chords and chord clusters to create descriptive effect
* How to follow and create a graphic score

**Creative Design** -----------------------------------------------------------------------------------------------------------

Through exploring a selected topic of the students’ choice, they will learn to:

* Observe and record accurately
* Analyse their own artworks critically
* Create works inspired by various artists of their own choice
* Experiment with various media of their own choice

**Physical Education** -----------------------------------------------------------------------------------------------------

This half term, the students will develop movement composition, an understanding of health and fitness, and the skills required for a variety of different games. They will:

* Perform a wider range of movements requiring agility, balance and co-ordination with control, precision and fluency
* Master techniques whilst running, jumping, throwing, catching, and striking skills
* Improve accuracy, consistency and technique in a variety of skills
* Develop and apply a broader understanding of how the body responds to exercise
* Apply a variety of sport specific skills with consistency to different games in various positions
* Continue to develop specific and accurate shooting techniques required in different games
* Pass the ball accurately and consistently between teammates in a variety of games
* Successfully apply a range of tactics and strategies successfully to outwit the opposition in games