

Year 9

Summer First Half-Term

Maths

This term we will be learning about compound units, solving equations graphically and Pythagoras' Theorem. Students will learn about and use measures of speed, density and other compound units. Students will learn how to draw a linear graph from a linear equation and be able to solve linear equations using a graph as well as algebraically. Next, we will move onto expanding double brackets to produce a quadratic equation and then use a table of values to draw the curve. Students will finish the term studying Pythagoras' Theorem. Students will learn how to rearrange the formula depending on which missing side is being calculated and we will use the converse of the theorem to prove a triangle is right angled.

English

Pupils will begin a discursive writing unit where they will investigate the controversial subject of the death penalty. Pupils will gather, read and evaluate evidence and present their findings, firstly through a series of debates and then finally in an extended piece of writing. Pupils will be taught the functions of imperative and modal verbs. Pupils will be encouraged to retrieve and recall prior knowledge of persuasive techniques in order to create a clear argument with peers and in their writing. Pupils will use documentaries, films and read a range of articles to inform their point of view.

Science

Students will recap the nervous and endocrine system. Students will also be constructing and interpreting food webs as well as evaluate abiotic and biotic factors that affect ecosystems including the water cycle, carbon cycle, population growth, predation and pollution. Students to describe how metals are arranged in the reactivity series, recall the main features in the process of electrolysis and predict the products of acids reacting with bases. Students to state Newton's three laws (inc calculations), and describe what stopping distance is & factors that affect it.

Art

will investigate different patterns and designer. They will learn how to write Artist research pages to a GCSE standard and develop and record their ideas. Students will create a repeating pattern in a multipled colours.

Humanities

Pupils will explore globalisation and the process by which the world is becoming increasingly interconnected. They will look at how the world now communicates, how this affects trade and travel. Pupils will look at how cultures from around the world are shared more easily and the effect this has on the world. Pupils will look at global warming and how this effects the UK.

ICT

Students will use ICT for Communication and Collaboration by using email, video conferencing and shared storage. We will consider the implications of Data Protection. *Entry Level 3 content: use simple searches to find information / select relevant information that matches requirements of given task / follow safety and security practices.*

PSHE

Relationships

Intimate relationships

We will be exploring inclusive relationships and sex education including the choice to delay sex or enjoy intimacy without sex. We will explore myths and misconceptions around consent, contraception, the risks of STIs, and pregnancy. We will learn skills to assess and manage risk around safer sex, attitudes to pornography and the risks of sending, sharing or passing sexual images or personal information online.

PE

Rounders/ Kick Rounders - Students will be able to run while developing the capability of catching. We will develop the accuracy of throwing with both a kickball and a tennis ball. We will work on all variations of passes/ throws.

Work Skills

Working regulations, Signage. Recognising and following workplace signage. Using equipment safely and training. Responding to incidents. Creating safe environments.

Music

THE FINAL PROJECT aims Demonstrate personal strengths in music production and performing and to use the knowledge, understanding and skills developed in previous units. This project will engage and inspire pupils to develop a love of music and their talent as musicians, and so increase their self-confidence, creativity and sense of achievement. (UNIT 5).

Catering

Pupils will deepen their knowledge on ingredients and how to source them. We will be looking at a variety of different ways to source food and the benefits of each. We will deepen our understanding on food provenance and how this relates to how we could possibly source food. We will also look at how cost can affect how and where we source food from