

Year 9

Autumn 2nd Half-Term

Maths

This term we will be learning about proportion and applications of graphs. Students will understand the meaning of direct proportion and find missing values in problems involving proportions. They will represent direct proportion graphically and algebraically in order to understand what inverse proportion is. Next, students will interpret step graphs and draw real graphs from real-life situations to illustrate the relationship between two variables. We will finish the term focussing on distance time graphs.

English

Students will develop knowledge of the text 'of Mice and Men' by Steinbeck. Students are required to learn quotations and develop understanding of Steinbeck's methods, through the study of language and structure. Key themes of the American Dream, marginalised groups in society, and hopes and dreams are explored. Students understand the development of the characters and the plot. This topic is in-depth study of the novel. Students develop their understanding of analysis, evaluation, and interpretation throughout and present this through annotation, responding to essay style questions ensuring quotations are used weaved into their writing in a sophisticated manner.. Pupils will also produce a range of non-fiction text, participate in hot seating and other speaking and listening in preparation for future Functional Skills exams.

Science

I can use photosynthesis symbol equation to describe what happens during photosynthesis as well as explain aerobic and anaerobic respiration and metabolism as well as revisit the heart and blood vessels. Students will describe how different components of the nervous and endocrine system are used to undertake voluntary and involuntary actions, including the reflex arc, how blood glucose level and the menstrual cycle is regulated. Students recall states of matter as well as describe what the three chemical bonds are. Students will describe what crude oil is and how it is processed using fractional distillation. Students to identify the difference between AC and DC electricity and describe how electricity is transmitted in the national grid. students then describe scalar and vector quantities as well as calculate weight, resultant of 2 forces acting on a straight line, and work done.

Art

Students will be introduced to digital art through Power Point and Photoshop. They will learn about layer, masking and other techniques.

Humanities

Pupils will explore life in the Victorian times, the emergence of factories and how they changed people's lives for the better and for the worse. Pupils will also look at crime and the criminal system during the Victorian era.

ICT

We will be learning about finding reliable information and how we can use search engine images. We will consider how we can use computers safely including workstation setup. *Entry Level 2 content: use ICT-based sources of information / find specified information from ICT-based sources.*

PSHE

Living in the Wider World - Setting goals - We will be focused on learning strengths, career options and goal setting as part of the GCSE options process. We will learn how to demonstrate strengths and develop decision-making skills, setting meaningful and realistic goals for the future.

PE

Badminton - To understand how and when to use mid court techniques; Highball shot, Low Ball, Attacking shot, lift shot, block shot. Students will learn how to use the above shots in the most effective way during competition. Students will learn to compete against one another using the above techniques.

Work Skills

Students will be looking at the recruitment Process, how do employers select the best candidates for the job. The selection process; advertise, applications, shortlisting, interviews. Students will prepare for a mock interview and role play being the employer and employee.

Music

UNIT 2. Pupils should be taught to sing or perform and play musically with increasing confidence and control. They should develop an understanding of musical composition, organising and manipulating ideas within musical structures. Learners have the opportunity to develop a basic understanding of the values and principles which underpin all work in this sector, e.g. being able to work collaboratively with peers and guests from the music industry, team working skills, reflective learning, self-discipline, having a positive and cooperative attitude, self-assessment of strengths and weaknesses and self-improvement and development.

Catering

Pupils will deepen their knowledge of food hygiene and safety. We will be looking at the common causes of food spoilage and how to identify when a food has spoilt. We will look at how to correctly store foods according to the product labels. We will learn the difference between best before dates and use by dates.