

Year 9

Autumn 1st Half-Term

Maths

This term we will be looking at probability, equations and formulae. Students will use a probability scale to represent chance. They will be able to identify mutually exclusive outcomes and use sample spaces to calculate probabilities. Next, we will focus on algebra where students will solve equations involving brackets, fractions and variables on both sides. We will finish the term by consolidating our knowledge from solving equations in order to change the subject of a formula.

English

Frankenstein - What consequences do we face when we don't take responsibility for our actions? How can scientific advancement and exploration be both good and bad? What is the relationship between nature and nurture? Which is more important? What is the ethical relationship between creator and creation? How do writers structure their work to reflect their message? How does Frankenstein fit the ideals of Romanticism & the Gothic? How does lack of compassion lead to prejudice and stereotyping? Who in the story is the "real" monster – Victor or his creature? Do we need love? What is to become of man if he cannot find love? When is the soul present? Does the creature have a soul? What happens when science assumes the role of creation? Just some of the questions year 9 will explore during the autumn term. In doing so pupils will learn the conventions of a play looking closely at stage directions and dramatic techniques. Pupils will understand the importance of characterisation, structure and the effect on the audience. Pupils will write fiction and non fiction texts and use close analysis to write detailed PEE paragraphs

Science

Students will analyse the key organelles and their functions in eukaryotic and prokaryotic cells giving examples of specialised cells with their adapted features as well as explain mitosis. I can compare and give examples of diffusion and osmosis. Intro to active transport.

Students will then explain how enzymes are affected by substrate concentration and their involvement in digestion. Adaptation of arteries, veins and capillaries, as well as major plant structures including xylem and phloem will be explored. Students will state key features of an atom and describe how elements are arranged in the periodic table. Students will recall the difference between the three states of matter, including using diagrams, and interpret heating/cooling graphs and explain density of material.

Art

This term Students will be studying how to apply basic forms to create more complicated forms. During this process students will draw from sources, and apply tone. They will create a final 2D image using different forms.

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

Students will understand the importance of knowing who you're talking to online and safe use of social media. Recognising and responding to Cyber-bullying. Considering Password security. *Entry Level 2 content: interact with ICT for a purpose / follow recommended safe practices.*

PSHE

Health and Wellbeing - peer influence, substance use and gangs. We will be exploring healthy and unhealthy friendships, learning skills to assess and manage influence. We will learn how to manage risk in relation to gangs, drug and alcohol use and exploitation.

PE

Boxing - Students will learn how personal preference and style influences the choice of boxing stance. We will be exploring how to increase the effectiveness of our punches. Years 9s will have the opportunity to engage in soft-contact sparring. Discipline – students will learn methods to train themselves.

Work Skills

Students explore employability skills that can be transferred within employment. Behaviour and dress code, punctuality, following instructions. Checking daily duties. Preparing and maintaining Work areas.

Music

Understand the language and terminology used in the music industry and explore how music is created, produced and communicated, including through the inter-related dimensions: pitch, duration, dynamics, tempo, timbre, texture and structure. (UNIT 1).

Catering

Pupils will deepen their knowledge on food and nutrition. We will be looking at how food equates to energy. Pupils will look at what types of food give us the most amount of energy and which foods can impact our energy levels. Pupils will identify why certain types of food contribute more to a balanced diet.