

Year 9

Summer Second Half-Term

Maths

Students will be introduced to standard index form, using positive and negative powers of ten. Students will move on to algebra where we will learn how to solve real life problems involving decimals, expand an expression with a variable or constant outside the brackets, factorise and multiply out two and three brackets. Students will finish the term studying the trigonometric ratios in order to find the size of an angle or an unknown length in a right-angled triangle.

English

This term year 9 will be studying t Pupils will examine character's thoughts and feelings through language and sentence structure. Students will learn how tension and excitement are created through close analysis leading to well structured paragraphs in response to a range of exam style questions. Pupils will compare and contrast a variety of techniques and styles used by a range of genres. To ensure understanding of the writer's craft pupils will create a range of fiction and non-fiction texts to improve their writing skills. Year 9 pupils start preparing for their Functional Skills level 1 and 2 reading, writing and speaking and listening.

Science

Students will be able to build and analyse food webs, as well as assess abiotic and biotic elements that affect ecosystems, such as the water cycle, carbon cycle, population increase, predation, and pollution. The students will also consider how to preserve biodiversity and land use. Students are then going to describe what sustainable development is with regards to finite and renewable resources, and compare life cycle assessment of materials and products. Students will state the difference between displacement, distance, velocity and speed. I can substitute some values into formulae to obtain these quantities (inc interpreting distance-time graphs) and give simple interpretations.

Art

Anna Atkins and the pioneers of photography, Students will investigate the pioneering technique of photography, Cyanotype photography. And create photograph based on the work on Atkins.

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 be studying the History of ICT and learning about the 20th century Computing pioneers. *Entry Level 3 content: enter and develop different types of information to meet given needs / bring together different types of information / use ICT-based communication.*

PSHE

Living in the wider world

-Rights, responsibilities and tolerance

-Support students to recognise the need to balance tolerance of others with protecting their own rights and promoting the values they believe are important. To learn to voice opinions and beliefs in a constructive, effective, respectful and meaningful manner;

To practise showing respect for others' viewpoints, on and offline, challenging and critiquing appropriately; To recognise inappropriate and/or unsafe expectations of others and know how to address these. To identify and explain inappropriate and/or unsafe expectations from family or community members (including radicalisation, FGM and forced marriage)

To describe strategies to manage and, if necessary, challenge family/community expectations;

To demonstrate skills of compromise, assertiveness and negotiation

PE

Football - Students will be able to explain positions and roles of football players to be able to use different passes effectively. Students will be able to pass and move into clear space. We will compete against each other 2 v 2.

Work Skills

Self management at work Outline reasons for self-management in the workplace, Identify areas which need time management in the workplace, Explain reasons for taking breaks during the working day.

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 be deepening their knowledge on the different types dietary needs people can develop throughout life. We will be looking at how our diet can affect our bodies and impact our health conditions throughout life. Pupils will create dishes for individuals with different types of health conditions.