

Year 8

Autumn 2nd Half-Term

Maths

This term we will be learning about solving equations and using data. Students will use algebra to set up and solve one and two step equations. Students will focus on representing data using pie charts. They will be able to work out the size of sectors in pie charts by their angles at the centre and to use a scaling method to draw pie charts. We will look at grouped frequencies and understand the differences between discrete and continuous data.

English

Pupils will explore the text *The Boy in Striped Pyjamas* looking at themes such as family relationships, change and upheaval and power. Pupils will learn the effects of different narratives such as 1st and 3rd person. Pupils will analyse the language used and the purpose of the world being seen by a 9-year-old child. Pupils will identify the different use of sentence structure and language techniques such as ellipses, subordinate clauses and emotive language. Pupils will begin to extract information from the text to support their writing.

Science

Students will be able to explain the structure and adaptations of the heart including arteries, veins and capillaries and write a balanced equation to represent photosynthesis and aerobic and anaerobic respiration. Students will describe 2 features of solids, liquids and gases as well as describe what ionic bonds are. Students to recall alternating current and direct current and describe how transformers work. Students will be able to describe the difference between solids, liquids and gases and define melting, evaporating, freezing and condensing.

Art

Students will research Christmas and Seasons Greeting cards, and they will design a card and through various printing techniques produce a series of cards that can be sold to staff.

Humanities

Year 8 will continue to explore the Tudors and what life was like during their reign. Pupils will look at the different monarchs and what their succession meant for the people during the Tudor times. Pupils will use a range of sources to formulate their own ideas based on a range of evidence, creating clear and concise viewpoints.

PSHE

Living in the Wider World - Community and careers - We will be learning about equality of opportunity in careers and life choices, and different types and patterns of work. We will develop skills with which to set aspirational goals for future careers and challenge expectations that limit choices.

PE

Badminton - understand the different types of different backcourt techniques. Have an understanding of how to hold the racket correctly. Develop wrist strength to perform the following hits; Lob Shots, Drop Shots, Smash 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 see how to job seek and what information is needed in Job Applications. They will look at job application skills and match it to their personal transferable skills and interests. Letters of application and CVs.

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 the food hygiene and safety principles. We will be learning how to correctly wash equipment and the 6 stages of cleaning such as pre-Clean. The first stage of cleaning is to remove loose debris and substances from the contaminated surface you're cleaning, Main Clean, Rinse, Disinfection, Final Rinse, drying which will deepen their knowledge of the 4C's. Pupils will demonstrate how to control/avoid cross contamination during practical lessons.