

# Year 8

## Spring 1<sup>st</sup> Half-Term

### Maths

This term, we will start by mastering written methods for multiplication and division. The focus for the rest of the term will be transformations where we will look at symmetry, reflections, rotations, translations and tessellations.

### English

This term pupils will work towards writing a descriptive piece of writing ensuring they use a clear and straightforward point of view. The exploration of a range of descriptive language will enable them to use deliberate vocabulary choices to create imaginative pieces of writing. Structuring writing through the use of paragraphs, a variety of sentence lengths and punctuation such as rhetorical questions, speech marks etc. for effect. The reading sessions will consist of retrieval, inference and clarifying.

### Science

Pupils will describe the structure of an atom, identifying protons, neutrons and electrons. Pupils will also be able to describe what alpha, beta and gamma decay is and dangers of radiation. Students will be able to state the main difference between exothermic and endothermic reactions using enthalpy profile diagrams and define what collision theory is. Diagrams will be looked into and interpreted. Students will grasp an understanding on how different pathogenic microorganisms are transmitted to animals.

### Art

This term students will be studying art from around the world. Student will explore a series of different art, some of which will include art from New Zealand, Mexico, Central Africa and China. Throughout the project Students will create to final pieces in different media, such as pencil drawing, ink drawing and clay.

### Humanities

Pupils will learn about the reasons behind slavery and how it was enforced. Pupils will learn what life was like on a plantation along with the methods of escape and punishment. Pupils will look at modern slavery and the effects on individuals. Pupils will use subject specific vocabulary, reference ideas with key facts using various sources.

### PSHE

Discrimination - In PSHE this term we will explore diversity, prejudice, and bullying, focusing on discrimination in all its forms, including: racism, religious discrimination, disability, sexism, homophobia, biphobia and transphobia. We will explore influence, including group-think, learning skills to support managing influence around beliefs and persuasion. We will explore racism, gender identity, sexuality, and religious discrimination, learning how to challenge such behaviours through improved understanding of self-worth and skills of empathy and assertion.

### PE

Basketball - students will be able to explain what the rules and regulations of basketball are and be able to demonstrate pivoting, developing the skills to dribble with movement. Students will develop an understanding of the basic shooting mechanics. We will compete and play 1 v 1.

## Work Skills

Health and Safety at work. Being able to understand and identify hazards and risks in the workplace and describe hazards and risks. Enumerate the ways of controlling hazards in the workplace and knowing the importance of knowledge about hazards and risks.

## Music

UNIT 3 provides an understanding in music technology and the recording process. These introduces both the technical and performance attributes of music technology. Develop and use ICT, communication, project management, time management and team working skills and increase learners' awareness of the different aspects of music technology.

## Catering

Pupils will deepen their knowledge and understanding of their consumer rights and how trends can affect their food choices. We will look at different marketing techniques that companies use to influence people. We will look at how food is presented online in comparison to real life and how they create different affects. We will focus on our presenting techniques and how to create different type of effects.