

# Year 8

## Summer First Half-Term

### Maths

This term we will look at shape, data and algebra. Students will be able to recognise congruent shapes, enlarge 2D shapes by a scale factor and use ratio to compare lengths, areas and volumes of 2D and 3D shapes. Next, we will look at scatter graphs. We will learn about correlation and how to describe and interpret it. We need to be able to create scatter graphs, also recognise congruent shapes. Students will finish the term consolidating previous y7 algebra. They should be able to expand and simplify algebraic expressions involving the four basic operations.

### English

Year 8 will explore a range of sinister stories. Pupils will make predictions about characters and events. Pupils will retrieve previous knowledge of the language used in horror to create tension and suspense and identify these techniques within the texts. Pupils will begin to use PEE paragraphs explaining the author's craft. Pupils will subject specific terminology to create effective sinister stories. Pupils will take part in speaking and listening activities to ensure terminology and subject specific language is being used fluently.

### Science

Students will be able to 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. Year 8 will be able to describe the tests for hydrogen, oxygen, carbon dioxide and chlorine and give examples of scalar and vector quantities as well as complete simple calculations for weight, resultant of 2 forces acting on a straight line, and work done.

### Art

Creating wallpaper, Students will study pattern and create a series of patterns using different printing techniques, they will create a repeating pattern that they paint as wall paper.

### Humanities

Pupils will look at what tourism is, exploring people's reasons for visiting particular places. Pupils will begin to analyse the impact tourism has on the country being visited and how this affects the economy and natural resources.

### PSHE

Identity and relationships

We will be exploring how to demonstrate positive behaviours in healthy and developing relationships, understanding of gender identity and sexual orientation and basic contraception. We will focus on the law, online behaviour and using effective communication skills around pressure and consent.

## PE

Rounders/ Kick Rounders - Students will gain a full understanding of the rules and regulations. They will be taught the correct batting/kicking techniques, and will understand the structure of ground fielding.

## Work Skills

Working regulations, Signage. Recognising and following workplace signage. Using equipment safely and training. Responding to incidents. Creating safe environments.

## Music

THE FINAL PROJECT aims to 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 build and apply a repertoire of knowledge, understanding and skills in order to create and make recipes and dishes for a wide range of people. Pupils will create recipes and identify where alternatives or substitute ingredients may be needed depending on dietary requirements such as for vegetarians, vegans, pescatarians and for allergies and intolerances.