

# Year 9 Spring 2:1

## English

In English this half term, pupils will present a formal presentation. Pupils will be required to study a public figure of their choice. They will then use the implicit and explicit information collected about the individual, to present to the class in a formal setting.

The key skills that will be developed during the term will consist of: researching, communicating and presenting.

Pupils will be reading a wide range of texts such as: Autobiographies, with the focus being on retrieval and summarising.

## Maths

Previous angle learning is built upon with pupils looking at how angles on parallel lines are linked as well as internal and external angles of polygons.

The concepts of volume and surface area of 3d solids are defined. Pupils then apply these ideas by looking at problems involving cuboids, prisms and cylinders. They will then carry out an investigation leading to understanding of and application of Pythagoras' theorem. Using an investigational approach, pupils look at how linear graphs are linked to equations in the form of  $y = mx + c$ . They also look at how to calculate gradients of line segments.

## Science

Pupils will describe changes during simple chemical reactions, carrying out a test for hydrogen gas and carbon dioxide. Pupils will be introduced to the fire triangle and explain why oxygen is needed for burning, describing how oxides are made during burning. Pupils will identify fossil fuels, defining fuels and explaining how energy is released when fuels burn. Pupils will explain that many common materials are mixtures, know that mixtures can be separated. Pupils will explain different methods for the separation of mixtures; distillation, chromatography and heating/evaporation.

## Geography

The Year 9 topic this term is "Water and Landscape." In the first half term they will: identify why rivers are important; explore the role of rivers in the water cycle; explain how water flows into rivers; describe the processes of erosion, deposition and transportation; explore how a river changes from source to mouth; draw the long profile and cross-section from a map; and discover how rivers shape the land.

## History

In this term, pupils will be studying the period between the First and the Second World Wars. This will involve understanding of whom the 'Big Three' were and how they dealt with the defeated countries of WW1. Pupils will evaluate whether the League of Nations was a success or a failure. They will assess the diverse range of experiences of ordinary British citizens in the 1930's. Pupils will describe the differences between a democracy and a dictatorship and they will define both fascism and communism. Pupils will then outline Hitler's journey to politics and finally they will assess how life under the Nazi dictatorship differed from the democratic system we live in today.

## PSHE/RE

In PSHE this term we will be looking at 'faith' and how different religions views may differ around the two types of suffering, one caused by humans and the other by nature. We will also understand what happens in a marriage and other partnership ceremonies. We will be acknowledging what a civil partnership, common law husband and wife, marriage and civil partnerships are. We will be identifying the different types of abuse that can be inflicted on someone and looking at strategies for dealing with potentially dangerous situations.

# Year 9 Spring 2:1

Art/DT	PE	Horticulture	Food Technology
<p>This term pupils will be study Cubism. Pupils will learn about the works of Picasso Pablo and George Braque. Pupils will practice drawing a range of musical instruments and objects that they observe from first hand. Pupils will then construct their own collaged outcome with a combination of materials.</p>	<p>In the first part of the Spring term, we will focus on basketball invasion games, developing our skills, resilience and teamwork. In the second half of the Spring term, we will focus on football skills games, developing our striking, fielding, attacking and defending skills.</p>	<p>In Horticulture this term we will re-cap the allotment rules. We will learn how to care for vegetable beds during the winter including how to use horticultural fleece and cloches. We will learn how to clean garden tools and safety equipment including how to oil and sharpen a selection of gardening tools e.g., garden spade. We will prepare for and take part in the RSPB Big School Bird Watch, sow early seeds in heated propagators and prepare for a potato crop.</p>	<p>In Food Technology this half term we will be looking at ways to save money when shopping for food in regards to budgeting and impulse buys. We will be looking at the different options when it comes to shopping, we will be exploring the advantages and disadvantages in the areas of Supermarkets, Online shopping, Markets and Farmers Markets, small local shops and specialist shops. We will also be looking at the four main production methods in the food industry that are one-off production, batch production, mass production and continuous flow production. As well as looking at these areas we will be cooking a range of products including stir-fry, vegetarian meals and pizzas.</p>