



Sycamore Class Year 5 & 6 Autumn 1 2016



Beside The Sea



Areas of Learning

As **scientists** this term we will study a biology topic. We will learn about healthy living and how lifestyle can affect health. We will explore nutrition, and how the body uses food. We will investigate exercise and the effects on the body during exercise. We will also develop ideas for a 'Healthy Year'.

As **geographers** we will study the British coastline. Using atlases we will locate major rivers and discuss the water cycle. We will collect photos from our holidays at British seaside resorts and find the locations on our class map. We will compare various types of coastline and how they have been formed. Also we will investigate how coastlines can change over time and how erosion can be prevented.

As **artists** we will design and construct a model of the coastline showing many coastal features. Ideas could include a harbour, cliffs, or beach. Children will work in groups and choose from a range of materials to make the models appear 'realistic'.

In **ICT** we will look at the process of planning apps. We will think about how apps can be useful and entertaining in real life and we will collect ideas and work together on a new idea.

In **RE** we will learn about special places and journeys that people make. We will look at pilgrimages and spiritual journeys. We will discuss the sacrifices that people make in order to carry out the journey and how they enrich people's lives.

In **PE** we will learn football skills with a specialist teacher.

In **Music** we will explore music that has been inspired by the sea and learn new songs to perform at our harvest festival.

In **Literacy** we will practice note taking when researching about Olympic athletes. We will choose a GB team member and write a report about them. We will develop vocabulary skills when describing settings and write an opening to a 'magical lesson'. Creating tension and atmosphere in stories will be explored when we read the book 'Room 13' and the children will produce their own dramatic chapter!

In **Numeracy** we will order numbers to 1,000,000 including decimals, round numbers and use negative numbers. We will multiply and divide by 10, 100 and 1000; derive quickly multiplication and division facts to 12x12, and find common multiples. We will classify quadrilaterals, interpret frequency tables and bar graphs and use metric and imperial units of length and weight. We will measure, draw and calculate angles.