



## Year 5 Teacher: Mr Glover Curriculum Information Spring Term 1

### **Scientific and technological understanding: science; DT; computing**

In science, children will be investigating and exploring some of the forces that act upon us, such as the impact of gravity, air resistance, water resistance and friction. As well as undertaking practical experiments to test their own hypotheses on these forces, pupils will also consider the importance of particular scientists to this area of knowledge, such as Isaac Newton, Galileo Galilei and Albert Einstein.

For computing, the children will continue to look at controlling physical systems, in this case through the use of micro bits. Pupils will have a range of opportunities to code them to produce specific tasks, such as being able to create a piece of music. The pupils will additionally be able to follow their own imagination and creativity with the microbits, considering the different features that they possess and to work collaboratively with others to come up with their own unique coding.

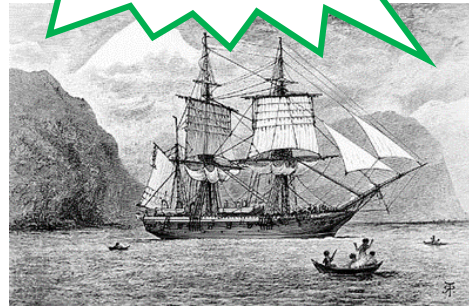
### **Understanding the arts and culture**

Creating our very own Galapagos creatures will be our sculpture based objective for art this half term; this will be either a representation of its head or of the entire animal. The children will have the opportunity to use modroc to layer over their models constructed of newspaper, and to paint and decorate these animals in a life-like fashion.

### **Mathematical understanding**

We will be covering a range of Numeracy skills. We will be securing our place value knowledge, of both whole numbers up to six digits and decimal numbers up to thousandths. Additionally, mental strategies for adding and subtracting, converting measurements and exploring the properties of triangles will also be considered.

## Charles Darwin



### **Historical, geographical and social understanding**

The children will learn about the life of Charles Darwin. His journey around the world on the Beagle will be our focal point, considering what life was like on board, the places he visited and how he gathered his information on rocks, fossils and wildlife. Additionally, we will think about how his contemporaries reacted to his radical theories on evolution and natural selection, as well as how they have shaped our modern understanding of the natural world.

### **Social, moral, spiritual and religious understanding**

Within religious education, we shall be exploring in-depth the question: What key beliefs influence people's faith and how do people of faith live out their lives? This topic will consider the conscious choices that religious people make, the source of that choice in their religious texts and the similarities/differences in decisions across different faiths, though particularly in Christianity, Judaism and Buddhism.

### **Understanding English, communication and language**

For literacy, we will be using the pictorial narrative of Shaun Tan's 'Lost Thing'. This story brings up a range of ideas and messages, from friendship and celebrating differences to the question of how far we really try to help those that are in need. Our thinking surrounding this text and the work produced from it will focus on empathy, in terms of being able to put ourselves in the shoes of different characters and considering their feelings at different moments in the text.

French: The children will use the story of *The Hare and the Tortoise* to learn some new verbs, adverbs and adjectives in French. They will also learn to tell the time on the hour and at 5 past the hour.

### **Understanding physical development, health and well-being**

On Tuesdays, being able to pass and move with the ball will be our focus for tag rugby, whilst hockey will be Thursday's regular feature.

Our Mind Up curriculum will continue to be used, concentrating on some of the main sections of the brain that link to our emotions, what mindfulness is and how to practise it in life. Brain breaks will also continue to be used daily with the pupils in order to support their well-being.