

## Class 4 Topic Web Autumn 2018-19 – Miss Ng, Mrs Khirynejad and Mrs Louth

### English

Children will continue to develop their writing skills across a range of genres and forms of writing, learning about their features and adapting their writing voice and vocabulary to suit. Writing will include: playscripts, newspaper reports, letters, character profiles, leaflets, narrative, biographies, and comparing formal and informal speech and writing. After half term, we will be studying ‘**Alice in Wonderland**’ by Lewis Carroll; It would be helpful if children could begin reading the book before studying it, perhaps over half term. There are many class copies that they are welcome to borrow.

Throughout the term, we will explore a range of poets and poetry, performing in groups as well as building our vocabulary through writing our own themed poems. Age-related grammatical concepts, sentence structure and spelling will be taught and developed throughout all English sessions.

### Maths

Throughout the year we will be building on our place value knowledge of numbers from 3dp up to ten million, including rounding these numbers to any power of ten. We will continue to develop our accuracy when calculating problems across the four operations involving fractions, decimals and whole numbers – either mentally or with formal written methods – as well as learning how to calculate according to the rules of the order of operations.

Children will further develop their knowledge of 2D and 3D shapes and linked vocabulary, with a focus on measuring and drawing angles and the parts of a circle. We will revise our knowledge of units of measure and apply this to problem solving and reasoning tasks. Children will also learn about reading pie charts, presenting data in them and reading them in order to solve problems.

### Science

**Scientists and Inventors** – Children will learn about famous scientists and inventors such as David Attenborough, Margaret Hamilton and Leonardo da Vinci. They will learn about their life, achievements and the impact they have had upon scientific understanding, theories and discoveries. We will also find out about the scientific theories surrounding the construction of Stonehenge.

**Electricity** – This unit builds on children’s prior knowledge of electricity. Children will learn to represent circuits using symbols in a diagram. They will learn about two of the most important scientific inventors in the field of electricity – Thomas Edison and Nikola Tesla. They will also have the opportunity to develop their understanding of what electricity is and how to measure it.

### RE

**What does it mean if God is holy and loving?** – Children will learn about Christian beliefs of God being omnipotent, omniscient and eternal. We will consider biblical ideas and teachings about God as a holy and loving, and how these may make a difference in the world today.

**Was Jesus the Messiah?** – We will learn about the concept incarnation, and understand the terms ‘messiah’ and ‘saviour’. By looking at the Old Testament, children will understand Jewish and Christian beliefs about whether Jesus was the prophesized Messiah. We will consider why the idea of a saviour from God is important to people’s lives, and how Christians put their beliefs about Jesus’s incarnation into practise when celebrating Christmas.

### History

**The Tudors** – We will be looking at portraits from Henry VIII’s and Elizabeth I’s reign and considering what they tell us about them as rulers. We will also learn about the daily lives of the rich, poor and yeomen in Tudor times. Children will also understand why the Spanish Armada set out to attack England and why they were defeated, as well as reflecting on Shakespeare’s legacy and impact.

### Geography

**The water cycle and water as a natural resource** – Pupils will learn about the importance of clean water and investigate how it is supplied. They will consider who owns and manages water and contrast water use at home with use in less economically developed countries. They will also learn about the components of the water cycle.

### Computing

**Scratch** - The pupils plan their own simple computer game. They design characters and backgrounds, different levels and scoring systems. Children will use feedback from others to further develop and improve their game.

**We are app planners** – Children will learn about the capabilities of smartphones, think of a problem that a smartphone or tablet app could solve, and then pitch the idea for their app.

### Art

**Ancient Egypt** - In this unit we will be developing our observational skills through a range of self-portraits – we will use pencil, charcoal and pen. Throughout the unit we will also be studying artists such as David Hockney and Man Ray. We will also study Egyptian masks, looking at how these faces differ from ours, their colours and decoration use.

### D&T

**Super Seasonal Cooking** – In D & T children will learn about seasonality, learn where and how a variety of ingredients are reared caught and processed the UK. We will use our knowledge of a healthy balanced diet and of food hygiene to help us plan, prepare, cook and evaluate a recipe for a seasonal meal.

### PE

The children will have PE on **Mondays** and **Wednesdays**. Children must have their PE kits in school on these days. Please ensure long hair is always tied back.

### PHSE

This term the children will study relationships. They will consider how to develop and maintain a variety of healthy relationships, within a range of social or cultural contexts.

### Home Learning

Home learning will be given twice a week. While children will be able to complete a majority of home learning tasks with little adult support, we encourage you to check the quality of presentation and completed work before hand-in.

**Tuesdays** – English **or** Topic/Science home learning. Due on Fridays.

English home learning could include a writing task, reading comprehension or grammar. Topic home learning could be research based or involve pupils making something.

**Friday** – Maths home learning. Due on Tuesdays. Based on our class learning.

**Spelling journals:** Children are encouraged to practise the National Curriculum Spelling Lists for Years 5 and 6 as well as spelling patterns and rules we study in class.

In addition to the set homework please continue to hear your children read, read to them, as well as encouraging them to read independently. Please use Times Table Rock Stars regularly as they need to be fluent in their times tables to 12 x 12. As always, many thanks for your support with home learning.