

## Sandpiper Class Topic Web Autumn 2024-2025 – Miss Ng and Mrs Khierynejad

### 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, arguments. In the first half term to complement our learning in History, we will read *Private Peaceful* by Michal Morpurgo. After half term, we will read the science-fiction text *Boy in the Tower* by Polly Ho Yen.

Throughout the term, we will explore 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 as well as a focus on handwriting and presentation.

### 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.

### 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.

### Science

**Animals and humans** – Children will learn about the main parts of the circulatory system and their jobs and functions. We will

learn about what blood is made of and how it is transported around our bodies. We will also learn the impact that exercise, drugs and alcohol have on our bodies and circulatory system.

**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

**Whys is the Gospel such good news for Christians?** – Children will learn about interpretations of the word Gospel, including what it means to Christians. We will delve into the Bible to learn more about the works and miracles of Jesus and why he was thought of as 'good news' by Christians.

**How does tawhid create a sense of belonging to the Muslim community?** – We will learn about how the Muslim community create a sense of oneness and unity. We will use a variety of sources – including books, stories, art work and music – to help us develop a deeper understanding of the 5 Pillars of Islam and their importance.

### History

**The 'Great' War** – We will be learning about the First World War, including the which countries were involved and the changes in warfare. We will learn about how animals were used throughout World War I, as well as about the Treaty of Versailles. We will learn about the lives of people who served in WWI including Walter Tull, a professional football player and the first black officer to lead British soldiers into battle.

### Geography

**Exploring Scandinavia** – Pupils will learn about the countries that form Scandinavia. We will find out about the weather and climate, physical and human geography and compare these elements to the UK.

### Art

**Drawing and Sculpture** - In this unit we will be developing our observational skill, using pencil, charcoal and pen. We will study the Blitz series of drawings by Henry Moore, as well as studying his sculptural work.

### 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 **Fridays**. Children must have their PE kits in school on these days. Please ensure long hair is always tied back.

### French

Children will review how to introduce themselves and tell others some key information about who they are. They will then discover more about France and put together an individual project on their chosen topic about the country.

### Music

This term will be developing body coordination, conducting simple melodies using Solfege, fine motor skills, singing with accurate pitch and reading, writing and improvising rhythms through movement. Using tuned and untuned percussion, we will explore high sounds, low sounds, loud and quiet sounds and introduce playing in three parts and following simple song structures.

### PHSE

This term the children will look at their own personal goals for the coming year and further into the future. We will also learn more about what discriminatory behaviour is and how we can address it or seek help.

### Home Learning

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. All home learning is set and submitted via Google Classroom.

**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.

**Some key vocabulary for this term:**

Maths		English		Spelling, punctuation and grammar	
digit millions place value decimal point tenth, hundredths, thousandths thousand, ten thousand, hundred thousand  compensate exchange partition  calculation efficient method		evacuate journey motive opinion persecution perspective persuasive quote	character dystopian foreshadow homophones synonyms tension	<b>Nouns</b> – common, abstract, collective, proper <b>Apostrophes</b> – possessive and contractions <b>Tenses</b> – simple, continuous, perfect, past, present <b>Voice</b> – passive, active, subject, object <b>Tone</b> – informal, formal <b>Clause</b> – relative, independent, main, subordinate	
		RE		Art	D&T
		beliefs commitment divinity gospel miracle modern salvation	belonging community oneness tawhid pillars prophet unity	design detail drawing painting sculpture technique	hygiene ingredient processed reared seasonal texture
Computing		Geography	History	Science	
app background character debug develop randomised	e-safety features design layout menu navigation	climate fjord glacier mountain population Denmark Norway Sweden	alliance ally/allies ethical morale tactics treaty trench zeppelin	circulatory organs system vessel vein artery exercise impact	circuits diagrams discovery inventors observation symbols variation volts