

Year 2 Autumn Term

English

This term we will be reading a non-chronological report and a fictional story with a familiar setting. There will be an opportunity to consolidate punctuation skills taught in Y1, such as using capital letters and full stops correctly, before learning how to use question marks and commas in lists. Grammatical terms will be reviewed and introduced, for example nouns, verbs and adjectives. Also, this term we will learn about the punctuation needed for writing speech and improving our vocabulary by identifying synonyms for 'said'.

We will begin to plan ideas before writing, using the features taught from each genre, and reread our sentences to check they make sense.

Maths

This term we will be focusing on **Place Value** as well as **Addition and Subtraction**. This will include recognising the value of each digit in a 2-digit number, comparing and ordering numbers to 100 using the greater/ less than and equals symbols, reading and writing numbers to 100 in numerals and words.

Additionally, the children will deepen their knowledge and understanding of numbers to 20 by developing mental strategies to solve addition and subtraction. They will be taught that addition can be solved in any order (commutative) but subtraction cannot, as well as being able to recognise the inverse relationship between them. Some children will be able to apply this knowledge to help them solve problems, such as solving missing number calculations.

Science

This term we will be learning about **Living things and their Habitats**, where we will learn about a variety of habitats and the plants and animals that live there. We will learn to tell the difference between things that are living, dead and things that have never been alive. We will have the opportunity to make observations of a local habitat and the creatures that live there, investigating conditions in local microhabitats and how they affect the minibeasts found within them. This topic allows children to research a range of global habitats and how the living things that live there are suited to their environments.

Also this term we will be learning about **Uses of Everyday Materials**, including wood, plastic, metal, glass, brick, paper and cardboard. We will then move on to compare the suitability of different everyday materials for different purposes. We will explore how objects made of some everyday materials can change shape and how the recycling process is able to reuse some everyday materials numerous times.

Topic

Our first topic this term is **Animal Kingdom**. During this topic we will identify geographical similarities and differences between two contrasting localities of the UK and an African country.

Our next topic is **Land Ahoy!** where we will be learning about Grace Darling and the importance of Lighthouses. We will also have the opportunity to design, create and evaluate our own lighthouse model.

Year 2 Spring Term

English

This term we will be exploring **Diaries**, **Instructional writing** and **Poetry**. There will be a focus on developing their writing through the consistent use of full stops and capital letters, adjectives and adverbs. Within non-fiction we will be exploring the tools needed to write a diary entry and a set of instructions. At the end of the term, Year 2 will experiment with different aspects of poetry, including writing their own acrostic poems.

Weekly SPAG (Spelling, Punctuation and Grammar) lessons will allow focused time on improving these skill sets.

Whole Class Comprehension lessons will support children to understand what they have read and be able to answer questions based on the text through a variety of activities.

Maths

During the beginning of Spring Term, we will be focusing on **Multiplication and Division** in Maths. The children will become more familiar with the 2, 5 and 10-times tables, as well as being introduced to the 3 times table. We will focus on developing a deeper understanding of what it means to multiply and divide and ways in which we can visually see this, providing the children

with a variety of ways to tackle future mathematical problems. Throughout this, we will continue to learn about commutative law, moving away from addition and now apply this to multiplication. Some children will acquire an understanding of how we can use the inverse calculation to check our answers.

Additionally, we will also be exploring **Fractions, Statistics and Shape**. Throughout Fractions we will be learning the appropriate vocabulary and what it means. The children will be taught how to find, recognise and make fractions, as well as build an understanding of unit and non-unit fractions.

Our learning on Statistics will be centred around developing an understanding of how to read and interpret the data from different sources, such as pictograms and tally charts. We will then learn how to use this data to form conclusions to mathematical problems. Additionally, we will learn how to draw different charts to show information.

During the area of Shape, we will be covering how to recognise and make 2D and 3D shapes, the properties of them, how to draw them and lines of symmetry.

Science

We will continue to learn about **Plants** where we will set up a comparative experiment to observe what conditions plants need to grow well, and watch the germination process first hand. and understanding the life cycle of a plant. We will also have the opportunity to closely study plants and trees in the natural environment, taking measurements and making observational drawings. We will begin to learn about plants we eat, and understand that farming involves creating the right conditions for food crops to grow.

As we move through the term, we will then learn about **Animals including Humans**. The children will have the opportunity to learn about how humans and other animals are born, grow and change, and what we need to survive and be healthy. They will classify different kinds of animal babies and learn about the basic needs that are shared by humans and animals.

Topic

In History we will be continuing to study **The Great Fire of London**, using all the information we have learned to help us create our very own non-fiction book. We will also produce effective silhouette pictures of London.

In Geography our focus will be on **Food Around the World**. The children will have the opportunity to research different countries, finding out what food is grown there and any speciality dishes.

Year 2 Summer Term

English

To start the term, we will read an example of a **Free Verse Poetry** called 'If I were in Charge of the World'. We will then practise performing it by reading it aloud and using actions to help us remember it. This will then lead us on to planning and writing our own poem following a similar structure.

During the second half of the term, we will be reading and learning 'George and the Dragon' written by Christopher Wormell. This will involve learning some new vocabulary and using drama to help us remember it before planning and writing our own **legend**. We will also continue to learn and apply spelling, punctuation and grammar skills including expanded noun phrases used in descriptions; punctuation needed for writing speech; and conjunctions used in compound sentences. .

Maths

We are beginning the summer term with **Fractions**. Throughout Fractions we will be learning the appropriate vocabulary and what it means. The children will be taught how to find, recognise and make fractions, as well as build an understanding of unit and non-unit fractions. Additionally, during summer term 1, we will be covering the area **Measurement: Length and Height**. The children will be taught the following skills: choosing and using appropriate units to estimate and measure length and height and comparing and ordering length and height.

Later in Summer 2, **Position and Direction** will be an area that we cover. As part of this, the children will discover how to order and arrange mathematical objects into patterns and sequences, as well as use mathematical vocabulary to describe position, direction and movement. Then moving on to **Measurement: Time** where we will learn to tell and write the time to five minutes, including quarter past/to the hour, to show the given time on a blank clock face and understand the number of minutes in an hour and the number of hours in a day. Finally, we will end this year by learning all about **Measurement: Mass, capacity and temperature**. The children will be taught how to choose and use appropriate standard units to estimate and measure mass, temperature, capacity to the nearest appropriate unit, using a variety of equipment and be able to compare and order the units appropriately.

Science

During the first half of the summer term, we look at the **Environment**. The children will be introduced to the ecological challenges that face the modern world. Children undertake a range of activities that challenge them to engage with environmental issues and to understand the simple changes we can make to live more sustainable lives. Throughout the unit, learning is closely focused on the Working Scientifically strand of objectives, providing a range of opportunities for children to apply practical scientific methods and skills.

During the second half of the term, we will look at important **Scientists and Inventors**. We will learn all about famous scientists and inventors linked to the Year 2 science curriculum. Children Will learn about the invention of the waterproof coat, and will explore other waterproof materials by carrying out simple tests. Children will also find out about the work of doctors, and will learn about Elizabeth Garrett Anderson, the first woman doctor in Britain. Throughout the unit, children will work in a fun and hands-on way to learn about scientists and inventors.

Topic

In Summer 1, we will be discovering all things **Planet Earth**. We will be starting this topic by looking very close to home... Wingate! The children will learn about the **history** of Wingate in the last 20 years and interview one of our very own members of staff who can tell us everything that we need to know.

We will then progress this further by looking at the **geography** of the school, create our own aerial map and key of part of our school and develop skills for using maps. Finally, we will extend map skills further by recapping our knowledge of the continents around the world and looking at hot and cold climates.

Throughout Summer 2, we are looking at **Castles**. In this topic we will be discovering all about the history of well-known castles, knights and attacks and defences.