

Spring Curriculum Overview

Year 4 – Miss Field

Introduction

Hello and happy new year! Here is an overview of what we have planned for the Spring term. It outlines the subject curriculum we will be covering, along with the knowledge and skills the children will be learning and applying. The year 4 team consists of myself and Miss Danner, our Year 4 teaching assistant. If you do have any questions, please don't hesitate to ask. **Miss Field**

Reading

Knowledge and skills:

Children will be reading a range of texts from a variety of different genres. Our guided reading texts this term will include "Volcanoes" by Maria Gill and "Ariki and the Island of Wonders" by Nicola Davies. Throughout this term, children will continue to develop their skills in the following areas:

- Predict what might happen in the text we are reading
- Clarify and explore the meaning of words
- Retrieve, record and present information
- Ask questions to improve understanding
- Draw inferences such as character feelings, thoughts and motives and justify with evidence
- Identify ideas from more than one paragraph and summarise
- Identify how language, structure and presentation contribute to meaning
- Discuss words and phrases that capture the reader's interest and imagination

Writing

Knowledge and skills:

Children will be using the following texts to support their writing outcomes during autumn term: "Escape from Pompeii" by Christina Balit and "When the Giant Stirred" by Celia Godkin. Children will produce a range of writing across different genres including poetry, narrative writing including historical fiction and adventure stories and diary entries. Children will continue to:

- Plan writing by discussing the structure, grammar and vocabulary of similar writing
- Compose and rehearse sentences orally
- Build and use a varied vocabulary
- Build and use an increasing range of sentence structures
- In narratives, create settings, characters and plots
- Discuss and record ideas
- Group related ideas into paragraphs
- Proofread for spelling and punctuation errors

Grammar, Spelling and Punctuation

Knowledge and skills:

Children will continue to consolidate, apply and build on their understanding of:

- Punctuation (full stops, capital letters, apostrophes for omission and possession with singular and plural nouns, commas in a list, commas with fronted adverbials and subordinate clauses, inverted commas)
- Paragraphs to organise information and ideas around a theme and use of organisational devices such as headings
- Range of sentence structures
- Use of subordination and coordination
- Wide range of conjunctions, adverbs and prepositions
- Use of subordinating conjunctions and fronted adverbials
- Possessive apostrophes with both singular and plural nouns, including irregular plural nouns
- Punctuating direct speech
- Pronouns to avoid repetition
- Tenses and verb forms are used correctly and consistently

Spellings will focus on the following areas:

- Common exception words for year 3 & 4
- Adding suffixes – *ation*
- Words ending – *tion* and *-sion*
- Words ending *-ssion*
- Words ending *-cian*
- Prefixes *sub-*, *inter-*, *super-*, *anti-*
- Prefixes *in-*, *im-*, *il-*, *ir-*
- Homophones and near homophones

Maths

Knowledge and skills:

Children will continue to build their knowledge and understanding across all areas of the curriculum including number (place value, addition and subtraction, multiplication and division, fractions and decimals), measurement, geometry and statistics. By the end of this term, children will know how to:

- Recognise the place value of each digit in a 4-digit number
- Order and compare numbers beyond 1000
- Find 1000 more or less than a given number
- Add and subtract numbers with up to four digits using mental methods, column addition and column subtraction
- Solve one-step and two-step problems in context
- Identify lines of symmetry in 2-D shapes
- Reflect 2-D shapes along a line of symmetry
- Count in multiples of 6, 7 and 9
- Recognise and recall multiplication facts up to 12x12
- Solve problems involving multiplication and division facts of all multiplication tables to 12 x 12
- Recognise and show common equivalent fractions
- Understand the relationship between non-unit fractions and multiplication and division of quantities
- Describe positions on a 2D grid as coordinates in the first quadrant
- Plot points and draw sides to complete a polygon
- Estimate and use the inverse operations to check answers
- Recognise the place value of tenths
- Recognise decimal equivalents of tenths
- Round decimals with one decimal place to the nearest whole number
- Compare numbers with up to two decimal places
- Multiply a two-digit number by a one-digit number using partitioning and formal written methods
- Convert between different units of measure (e.g. kilometres to metres)
- Estimate, compare and calculate different measures

Science	
Knowledge and skills: In the first half term, children will be learning about states of matter. By the end of this unit, children will be able to: <ul style="list-style-type: none"> - Explain the properties of a solid, liquid and gas - Group materials according to their properties - Understand what it means when something changes state - Describe what melting and freezing are - Understand that different materials have different melting and freezing points - Accurately measure temperature in degrees Celcius - Understand how evaporation and condensation are involved in the water cycle 	Knowledge and skills: In the second half term, children will be developing their working scientifically skills through a series of different investigations. In March, we will celebrate British Science Week and we will be carrying out a range of activities throughout the week linked to this year's theme of 'Time'. They will also have the chance to visit a mobile planetarium that will be visiting school in March!
Geography	History
Knowledge and skills: During the first half term, children will be learning all about volcanoes. By the end of this unit, children will know: <ul style="list-style-type: none"> - What a volcano is - What happens when a volcano erupts - The features of a volcano - What the Ring of Fire is and where it is located - What life is like in volcanic areas - The names of some famous volcanoes and where they are on the map 	Knowledge and skills: In the second half term, children will be learning about the Anglo-Saxons, Picts and Scots. As part of the topic, children will know: <ul style="list-style-type: none"> - When the Anglo-Saxon era started and ended - What life was like for the Anglo-Saxons - Who the Picts and Scots were and their role in history - What life was like for the Picts and Scots - How life was different for rich and poor Anglo-Saxons
Art	Design and Technology
Knowledge and skills: Our art topic for this term will focus on paint mixing and creating different tints and shades. Through this topic, children will learn to: <ul style="list-style-type: none"> - Mix tints and shades of a colour - Use tints and shades to give three-dimensional effects when painting - Explore how paint can create very different effects - Consider proportion and composition when creating a still life painting - Apply knowledge of colour mixing and painting techniques to create a finished piece 	Knowledge and skills: In DT this term, children will be using their DT skills to make free standing pavilions. Children will be able to: <ul style="list-style-type: none"> - Produce a range of free-standing frame structures of different shapes and sizes - Design a pavilion that is strong, stable and aesthetically pleasing - Select appropriate materials and construction techniques to create a stable, free-standing frame structure - Select appropriate materials and techniques to add cladding to their pavilion
Religious Education	PSHE
Knowledge and skills: This term, children will be building their knowledge of Buddhism and Christianity. We will be exploring the following questions: Buddhism – Could the Buddha's teachings make the world a better place? In this unit, children will learn to: <ul style="list-style-type: none"> - Talk about situations which are wonderful and problematic - Suggest why there are problems in the world and how people could help solve them - Recall one of the Buddha's stories and begin to explain its meaning - Relate this story to making the world a better place Christianity – Is forgiveness always possible for Christians? In this unit, children will consider: <ul style="list-style-type: none"> - Talk about how easy or difficult It can be to forgive people sometimes - Talk about what help they might need to show forgiveness - Recall a Christian story about forgiveness and say what it tells people about how to treat each other 	Knowledge and skills: Our core themes for this term are Dreams and Goals and Healthy Me – please find more detail about these topics below. Alongside these units, children will also compete a series of lessons focused on 'Clever Never Goes'. This programme is revisited each year and helps children to understand how to recognise situations that could potentially be unsafe and know how to keep themselves safe. Dreams and Goals: <ul style="list-style-type: none"> - Describe their hopes and dreams - Understand that sometimes dreams and goals do not come true - Reflect on positive and happy experiences that can help to counteract disappointment - Know how to make a new plan and set new goals despite being disappointed - Know how to work out steps to achieve a goal individually and as part of a group Healthy Me:

<ul style="list-style-type: none"> - Describe what a Christian might learn about forgiveness from a biblical text - Explain how Christians might put into practice Jesus' teachings about forgiveness 	<ul style="list-style-type: none"> - Recognise how different friendship groups are formed and how they fit into them - Understand that different people take on different roles within a group and that all roles are valued - Understand the effects of smoking on people's health - Understand the effects of alcohol on people's health - Recognise when people are applying pressure and explain ways to resist this - Have a clear picture of what I believe to be right and wrong
MFL	Music
Knowledge and skills: <p>This term, our themes will focus on 'My Family Tree' and 'Faces and Body'. Through these topics, children will continue to build their phonic knowledge and vocabulary as well as their knowledge of grammatical features. Children will continue to develop their skills in speaking, listening, reading and writing. By the end of this term, children will know how to:</p> <p><u>Speaking</u></p> <ul style="list-style-type: none"> - Name four family members - Describe three parts of the face using adjectives to describe colour - Name five body part nouns <p><u>Listening</u></p> <ul style="list-style-type: none"> - Recognise four different parts of the face - Draw a character following a basic description of their physical appearance <p><u>Reading</u></p> <ul style="list-style-type: none"> - Read and draw a simple description of a face - Read and label four body part nouns <p><u>Writing</u></p> <ul style="list-style-type: none"> - Accurately label and spell four parts of the face - Write accurate sentences using verbs, nouns and adjectives - Write singular and plural nouns 	Knowledge and skills: <p>This term, our music topics will focus on Stop! (rap song) and Lean on Me (soul/gospel). Through these units, children will learn to:</p> <ul style="list-style-type: none"> - Listen and appraise different songs and styles of music. Children will be able to discuss themes within songs and identify features relating to voices and instruments. - Copy and play back different rhythmic and melodic patterns - Sing in unison and in parts - Compose their own lyrics based around a theme - Play instrumental parts accurately and in time as part of a performance (most will play by ear, some from notation) - Create their own improvisations using given notes - Compose simple melodies using simple rhythms - Contribute to a performance using voices and instruments
Computing	PE and Games
Knowledge and skills: <p>Children will be learning about the following topics this term:</p> <p><u>Logo:</u> Children will learn to:</p> <ul style="list-style-type: none"> - Follow simple instructions to create shapes - Create instructions to draw patterns of increasing complexity - Write instructions to create four letter words - Use the repeat command to create shapes - Use and build procedures in 2Logo <p><u>Animation:</u> Children will learn to:</p> <ul style="list-style-type: none"> - Consider what makes a good animation - Learn how animations are created by hand - How to use 2Animate to create animations - Use the Onion Skin tool in animation - Use backgrounds and sounds to make more complex animations - Understand what 'stop motion' animation is and how it is created - Create their own 'stop motion' animation <p><u>Effective Searching:</u> Children will learn to:</p> <ul style="list-style-type: none"> - Use search engines to provide helpful information to support their learning - Search for information accurately, using key words rather than full sentences 	Knowledge and skills: <p>During our P.E. lessons, children will be developing their skills in yoga and dance. In games lessons, children will be developing their ball skills and also their teamworking skills through Outdoor Adventurous Activity (OAA).</p> <p><u>Yoga:</u> Children will learn to:</p> <ul style="list-style-type: none"> - Describe how yoga makes them feel and discuss the benefits of yoga - Link poses together to create a yoga flow - Provide feedback using key terminology and what I need to do to improve - Transition from pose to pose in time with my breath - Work collaboratively with others - Demonstrate yoga poses which show clear shapes - Show increasing control and balance when moving from one yoga pose to another <p><u>Dance:</u> Children will learn to:</p> <ul style="list-style-type: none"> - Choose actions and dynamics to convey an idea or character - Copy and remember set choreography - Provide feedback using appropriate language - Respond appropriately to a range of stimuli - Use changes in timing and space to develop dance - Use counts to keep in time with others and the music - Use simple movement patterns to structure dance phrases of my own, with a partner and in a group

<ul style="list-style-type: none">- Use successful search techniques such as truncating a question into key words or concise phrases- Analyse the content of webpages to look for clues about the credibility of the information <p><u>Hardware Investigators:</u> Children will be learn to:</p> <ul style="list-style-type: none">- Explain what hardware is- Recognise the main component parts of hardware which allow computers to join and form a network	<ul style="list-style-type: none">- Showing respect for others when working together and watching others perform <p><u>Ball Skills:</u> Children will learn to:</p> <ul style="list-style-type: none">- Use a range of throwing techniques to throw towards a target- Catch different sized objects with increasing accuracy with one and two hands- Consistently track the path of a ball that is not sent directly to me- Dribble a ball with increasing control and coordination- Persevere when learning a new skill- Provide feedback to others and understand what I need to do to improve <p><u>OAA:</u> Children will learn to:</p> <ul style="list-style-type: none">- Confidently follow and give instructions- Communicate ideas and listen to others- Identify key symbols on a map and use a key to help navigate around a grid- Plan and apply strategies to solve problems- Reflect on when and why I was successful at solving challenges- Work collaboratively and effectively with a partner and in a small group.
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