Year 5 Term 1 Overview

WRITING	MATHS
Based on: Gorilla (Write Stuff), Letters from the Lighthouse (Literacy Shed) Christmas Truce (Literacy Shed film) ***Genres covered:*** Narrative, Recount, Postcard, Speech, Report, Letter, Diary Entry, play script ***Cross curricular:*** Play scripts, descriptive writing and letters linked to WW1, ***Other focus:*** Figurative language, varied sentence openers, using a thesaurus, legible fluent handwriting	Place Value Roman numerals to 1,000 Numbers to 10,000, 100,000 and 1,000,000 Read and write numbers to 1,000,000 Powers of 10 10/100/1,000/10,000/100,000 more or less Partition numbers to 1,000,000 Number line to 1,000,000 Compare and order numbers to 100,000 and 1,000,000 Round to the nearest 10, 100 or 1,000 and round within 100,000 and 1,000,000 Addition and subtraction Mental strategies Add whole numbers with more than four digits Subtract whole numbers with more than four digits Round to check answers Inverse operations (addition and subtraction) Multi-step addition and subtraction problems Compare calculations Find missing numbers Multiplication & Division A Multiples and common multiples Factors, common factors and prime numbers Square numbers and cube numbers Multiply and divide by 10, 100 and 1,000 Multiples of 10, 100 and 1,000 Fractions A Find fractions equivalent to a unit and non-unit fraction Recognise equivalent fractions Convert improper fractions to mixed numbers and mixed number to improper fraction Compare and order fractions less than 1 and greater than 1 Add and subtract fractions with the same denominator Add fractions within 1 and greater than 1 Add to a mixed number and add two mixed numbers Subtract fractions and subtract two mixed numbers Subtract from a mixed number and subtract from a mixed number - breaking the whole
SPAG	
Ready to write Pronouns Expanding noun phrases Fronted adverbials Plural and possessive Direct and indirect speech Relative Clauses Relative pronouns Recognising relative clauses Using relative clauses Omitting relative pronouns Modal Verbs Recognising modal verbs Using modal verbs Adverbs Recognising adverbs Using adverbs Recognising adverbs to indicate degrees of possibility Using adverbs to indicate degrees of possibility	

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READING	SPELLING
Texts covered: *'*Letters from the Lighthouse' Objectives: • Predict what might happen from details stated and implied • Drawing inferences, such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence • Making comparisons with and across books • Participating in discussions about books, explaining their understanding of what they have read and provide reasoned justification for their views • Retrieving, recording and presenting information from non-fiction • Learning poetry/play scripts by heart to perform, showing understanding through intonation, tone, volume and action	• Non-negotiable spellings • Words ending in -tious & -ious • Words ending in -cious • Words ending in –tial & -cial • Words ending in -ant • Words ending in -ance & -ancy • Words ending in -ent & -ence • Words ending in -able & -ible Words ending in -ably & -ibly • Challenge words
GEOGRAPHY	**HISTORY**
Why do oceans matter? • Describe the water cycle • Describe how the ocean is used for human activity • Explain how the ocean helps to regulate the Earth's climate and temperature • Identify the Great Barrier Reef as part of Australia • Describe the benefits of the Great Barrier reef • Describe how humans impact the oceans and the consequences of this • Explain some actions that can be taken to help support healthy oceans • Explain which data collection method would be best for marine fieldwork and why • Collect data using a tally chart, photographs and a sketch map. • Safely navigate the fieldwork environment • Make suggestions for how to improve a marine environment • Present data using a tally chart and pie charts	**What was the impact of WW2 on British people?** • Identify the causes of World War 2 • Identify the different phases in the Battle of Britain • Make inferences and deductions about a photograph • Describe how children may have felt when evacuated • Evaluate the accuracy and reliability of sources • Describe the impact WW2 had on women's lives

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SCIENCE	RE
Materials: Mixtures and Separations • Define the term 'mixture' and name some common examples • Define the term 'sieving' and 'filtering' and explain how sieving and filtering separates mixtures • Define the terms 'solution' and 'dissolve' and name some common examples of solutions. • Recall some factors that affect the time taken to dissolve • Describe the effect of temperature on the time taken to dissolve • Define the term 'evaporating' and explain how evaporating separates solutions • Identify when sieving, filtering and evaporating should be used Research a mixture to find out what substances it is made from Draw and annotate a diagram to explain how sieving separates a solid-solid mixture • Identify and justify which type of enquiry to use to answer my testable question • Identify solutions by observing and describing their appearance • Suggest which variables to change, measure and control when investigating how temperature affects the time taken to dissolve **Materials: Properties and Changes** • Determine the hardness of different materials and link this to their uses • Determine the transparency of different materials and link this to their uses Determine the thermal and electrical conductivity of different materials and link this to their uses • Demonstrate, identify and describe reversible and irreversible changes • Evaluate the hardness test to determine the degree of trust • Plan and draw a table of results • Write a detailed, organised and easy to follow method • Write a prediction using prior knowledge of the states of matter • Analyse observations about rusting and use them to support a conclusion • Measure accurately in centimetre	**Why do people have to stand up for what they believe in?** • To recognise the importance of religious freedom • Use clues to determine someone's beliefs about God Articulate the importance of Guru Hargobind's inclusivity of others Identify the meaning behind different festivals of light • Express their thoughts and feelings after considering events in the past and present Consider various viewpoints surrounding religious prejudice **Why doesn't Christianity always look the same?** • Explain why some people believe Jesus was the Messiah • Give examples of how Christianity spread as a religion • Identify different features of a Catholic church • Explain the uses of different features of a Catholic church • Identify some reasons why people began practising in different ways • Organise different Christian practices according to their impacts on believers • Identify how different people represent Jesus depending on personal and cultural influences

COMPUTING	PE
Coding • To begin to simplify code • To create a playable game • To understand what a simulation is and program using 2Code • To know what decomposition and abstraction are in computer science • To a take a real-life situation, decompose it and think about the level of abstraction • To understand how to use friction in code • To begin to understand what a function is and how functions work in code • To understand what the different variables types are and how they are used differently • To understand how to create a string • To understand what concatenation is and how it works **Online Safety** • To gain a greater understanding of the impact of sharing digital content • To review sources of support when using technology and children's responsibility to one another in their online behaviour • To know how to maintain secure passwords • To understand the advantages, disadvantages, permissions and purposes of altering an image digitally and the reasons for this • To be aware of appropriate and inappropriate text, photographs and videos and the impact of sharing these online • To learn about how to reference sources in their work • To search the Internet with a consideration for the reliability of the results of sources and understand the impact of incorrect information • To ensure reliability through using different methods of communication **Spreadsheets** • To use formulae within a spreadsheet to convert measurements • To use the count tool to answer hypotheses about common letters in use • To use a spreadsheet to model a real-life problem • To use formulae to calculate area and perimeter of shapes • To create formulae that use text variables	**Swimming** • Swim competently, confidently and proficiently over a distance of at least 25 metres • Use a range of strokes effectively • Perform safe self-rescue in different water-based situations **Football** • Create and use space to help my team • Pass, receive and shoot the ball with increasing control under pressure • Select the appropriate action for the situation and make this decision • Use marking, and/or interception to improve my defence • Use the rules of the game consistently to play honestly and fairly • Work collaboratively to create tactics with my team and evaluate the effectiveness of these • Work in collaboration with others so that games run smoothly **Cricket** • Select the appropriate action for the situation • Strike a bowled ball with increasing consistency and accuracy • Use a wider range of fielding skills with increasing control under pressure • Use the rules of the game consistently to play fairly • Work in collaboration with others so that games run smoothly • Recognise my own and others strengths and areas for development and can suggest ways to improve • Understand and can apply some tactics in the game as a batter, bowler and fielder **Badminton** • develop a wider range of skills and use these under some pressure • work cooperatively with others to manage our game • understand the need for tactics identify when to use them in different situations • I understand the rules of the game and I can apply them honestly

MUSIC	MFL
Theme and variations (Theme: Pop Art) • Perform rhythms confidently either on their own or in a group • Identify the sounds of different instruments and discuss their sound • Make reasonable suggestions for which instruments can be matched to which pieces of art • Recall the names of several instruments according to their orchestra sections • Keep the pulse with the body percussion section and sing with control and confidence • Name the three rhythms correctly and copy the rhythms accurately with a good sense of pulse • Draw the rhythms accurately and show a difference between each of their variations • Showcase creativity in the finished product **Blues** • Name three key features of blues music • Sing in tune, using vocal expression to convey meaning • Explain what a chord is and play the chord of C sixteen times • Play the 12-bar blues correctly • Play the notes of the blues scale in the correct order, ascending and descending • Play a selection of blues scale notes out of order in their own improvisation	**Do you have a pet?** • Repeat, recognise and attempt to spell the eight nouns (including the correct article for each) for pets in French • Tell somebody in French if they have or do not have a pet • Ask somebody else in French if they have a pet • Tell somebody in French the name of their pet • Attempt to create a longer phrase using the connectives ET (“and”) or MAIS (“but”)

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PSHE

Families & Relationships

- Describe what qualities a good friend should have and recognise which of these they have and which they could develop
- Recognise that friendships have ups and downs and this is normal
  Understand what marriage is and know that it is a choice people make
- Understand that we all have a range of attributes that make us who we are and we should be proud of these
- Understand that sometimes families can make children feel unhappy or unsafe
- Understand why someone might bully others
- Understand that attitudes and laws around gender equality have changed
- Understand that stereotypes exist and these can lead to discrimination

Health and Wellbeing

- Perform some yoga poses, following the instructions from a video, and describe how yoga makes them feel
- Describe how they can get a good night's sleep and explain why this is important
- Describe why they should embrace failure
- Describe a strategy to help manage feelings of failure and to help them to persevere
- Set themselves goals and consider how they will achieve them
- Describe a range of feelings and suggest two ways of dealing with a difficult situation
- Demonstrate an understanding of what calories are and how to use them to help plan healthy meals
- Recognise the food groups and acknowledge that having a variety of food is important for having a balanced and healthy diet

ART

Painting and Mixed Media: Portrait

- Outline a portrait drawing with words, varying the size, shape and placement of words to create interest
- Try a variety of materials and compositions for the backgrounds of their drawings
- Communicate to their partner what kind of photo portrait they want
- Show that they are making decisions about the position of a drawing on their background, trying multiple ideas
- Use some Art vocabulary to talk about and compare portraits
- Identify key facts using a website as a reference
- Explain their opinion of an artwork
- Experiment with materials and techniques when adapting their photo portraits
- Create a self-portrait that aims to represent something about them
- Show they have considered the effect created by their choice of materials and composition in their final piece
- Outline a portrait drawing with words, varying the size, shape and placement of words to create interest

DESIGN AND TECHNOLOGY

Mechanical Systems: Design and Make a Pop-Up Book

- Produce a suitable plan for each page of their book
- Produce the structure of the book
- Assemble the components necessary for all their structures/mechanisms
- Hide the mechanical elements with more layers using spacers where needed
- Use a range of mechanisms and structures to illustrate their story and make it interactive for the users
- Use appropriate materials and captions to illustrate the story