

Year 5 Spring Term Overview 2017

SUBJECT	1 st Half Term	2 nd Half Term
ENGLISH	<p><u>Faraway Fiction</u> Cloud Tea Monkeys by M Peet and E Graham Mysterious Traveller by M Peet and E Graham The children will read about faraway places and exciting adventures in Cloud Tea Monkeys and Mysterious Traveller; explore the language that helps makes a story vivid and exciting; and choose an atmospheric setting to write thier own faraway story, building on the stories read. Grammar includes: use of noun phrases, expanded by the addition of modifying adjectives and preposition phrases; use of clauses to add information about time, place and cause; link ideas across paragraphs using adverbials of time; and use relative clauses beginning with who, which, where, when, whose, that or with an implied relative pronoun.</p> <p><u>Nonfiction - Argument and Debate</u> The children will identify features of argument texts & discuss differences between facts & opinions. They will also find out how to present opinions as if they were facts, study formal & informal speech, research for & hold a class debate. The children will then write & edit their own argument text. Grammar includes: formal and informal speech and writing, use of subjunctive forms, use bullet points, colons and semi-colons.</p> <p><u>Spelling:</u> rules from Year 5/6 curriculum. Activities will include routine spelling tasks, games, homework and dictation tests.</p> <p><u>Guided Reading</u> The children tackle different genres to suit their reading ability, including: nonfiction and classic narrative and oral poetry.</p> <p><u>Independent Reading</u> The children will be encouraged to widen their experience of different genres and complexity of texts, whilst increasing their reading stamina.</p>	<p><u>Fiction from our Literary Heritage - Drama (Shakespeare)</u> Mr William Shakespeare's Plays by Marcia Williams The children will be introduced to Shakespeare using the plays – Romeo & Juliet and Macbeth; innvestigate different ways of writing dialogue incl. playscript layout & the use of informal language. The children write a 60 second version of part of Macbeth. Grammar includes: use dialogue, differences between spoken and written speech, punctuation to indicate direct speech, formal and informal speech and writing, use of subjunctive forms, and use commas to clarify meaning.</p> <p><u>Nonfiction - Reports and Journalistic Writing</u> Text: Tuesday by David Wiesner The children will study report writing. Look at different ways of writing speech – play scripts, speech bubbles, direct & reported speech. They will compare formal & informal writing including use of passive voice. The children will write newspaper reports. Grammar includes: dialogue, direct/indirect speech punctuation, reported speech, use of passive form to present information, use semi-colons and dashes to mark boundaries between independent clauses, and use commas to clarify meaning.</p> <p><u>Spelling:</u> rules from Year 5/6 curriculum. Activities will include routine spelling tasks, games, homework and dictation tests.</p> <p><u>Guided Reading</u> The children tackle different genres to suit their reading ability, including: Myths and Legends and modern poets, McGough and Rosen.</p> <p><u>Independent Reading</u> The children will be encouraged to widen their experience of different genres and complexity of texts, whilst increasing their reading stamina.</p>
Maths	<p><u>Key skills visited 1st half term:</u> Identify all the prime numbers less than 100 using Eratosthenes sieve Identify square numbers up to 100, understand concept of a square root, relate square roots to square numbers</p> <p>Multiply and divide numbers by 10 and 100 to give 1- or 2-place decimal answers Use place value to add and subtract 0.1 and 0.01 to and from decimal numbers Round 2-place decimals up or down to the nearest tenth</p> <p>Add any pair of 1-place decimals Work out what number to add to a 2-place decimal to make the next whole number</p>	<p><u>Key skills visited 2nd half term:</u> Use the grid method to multiply 2-digit by 2-digit numbers Use short division to divide 3-digit by 1-digit numbers with integer remainders Use short multiplication to multiply 4-digit numbers by 1-digit numbers</p> <p>Understand fractions as operators and relate this to division; find non-unit fractions of large numbers Count in fractions, including equivalents Place mixed fractions on a number line to compare fractions with the same denominator Convert mixed numbers to improper fractions and vice versa</p>

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	<p>Use counting up to subtract 4-digit numbers from near multiples of 1000 Subtract 4-digit from 4-digit multiples of 1000 by counting up</p> <p>Use mathematical reasoning to explain findings, patterns and relationships Solve addition and subtraction multi-step problems, deciding which operations and methods to use and why</p> <p>Use expanded or compact decomposition to subtract numbers with up to 4-digits (harder)</p> <p>Apply divisibility tests for 2, 3, 4, 5, 6, 9, 10 and 25 Identify factors and multiples, and begin to find common factors Use efficient mental division strategies to divide large numbers</p> <p>Read relevant scales to the nearest numbered unit Measure, compare, add and subtract weights (masses) using kg/g Convert between different units of measure, e.g. km to m, m to cm, etc. Recognise and estimate volume and capacity using ccs and ml</p> <p>Interpret and present continuous data using line graphs</p>	<p>Multiply fractions by whole numbers</p> <p>Identify parallel and perpendicular lines in 2D shapes Compare and classify acute and obtuse angles; order angles up to 180° Compare and classify quadrilaterals according to their properties Distinguish between regular and irregular polygons based on reasoning about equal sides and angles</p> <p>Identify patterns, devise and test rules and use them to make predictions</p> <p>Choose and use appropriate standard units to measure: lengths and heights, weights (mass) and capacities Understand and use basic equivalences between metric and imperial units; express these in approximate terms</p> <p>Use expanded or compact decomposition to subtract numbers with up to 4-digits (harder) Use column addition to add several numbers with up to 4-digits with answers > 10000</p>
<p>Science</p>	<p><u>Earth and Space - Physics</u> Children find out fascinating facts about the Sun, Moon & Earth & develop an understanding of day & night, the four seasons & the Moon's phases. The Sun & the planets making up our Solar System are investigated, along with the other stars in their constellations.</p> <p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> • use relevant scientific language and illustrations to discuss, communicate and justify their scientific ideas. • identify scientific evidence that has been used to support or refute ideas or arguments. • plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. • take measurements, using a range of scientific equipment. 	<p><u>Properties and changes of materials – Chemistry</u> The children will revise the three states of matter & properties of materials. They will compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. Pupils will use knowledge of solids, liquids and gases to decide how mixtures might be separated including through filtering, sieving and evaporating.</p>
<p>PSHE</p>	<p><u>Going for goals</u> – The children will experience activities which allow them to reflect individually, in small groups and as a whole class relating to self-awareness and motivation.</p>	<p><u>Good to be me</u> – The children will experience activities which allow them to reflect individually, in small groups and as a whole class relating to self-awareness, managing feelings and empathy.</p>

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RE	<p><u>Christianity and Judaism - Celebrations related to key figures</u> Purim – Esther (Judaism) Passover – Moses (Judaism)</p>	<p><u>Christianity and Judaism - Celebrations related to key figures</u> Easter- Jesus, the events of Holy Week (Christianity) Common themes to both religions</p>
Geography	<p><u>Investigating Rivers</u> In this Unit, the children will find out more about why rivers are so important to the towns and villages that have developed on their banks. By looking at the features of rivers, and the natural and human ways that rivers change over time, they will explore the life stories of rivers. Children will learn the names and locations of the major rivers of the UK and the world. Fieldwork techniques linked to studying a stream in the local area are covered as well as map reading skills and interpreting photographs and maps together. This topic will include a trip to a stream in the local area.</p>	
Art	<p><u>Still Life</u> The children will gain an understanding of still life, e.g. fruit, bowls, glasses, bottles and musical instruments, using Cezanne/Renoir from the Impressionist Movement and Gris/Picasso's cubist paintings as stimulus. After using sketch books to record the children's observations and use them to review and revisit ideas, they will improve their mastery of art and design techniques including: drawing and painting. Eventually developing their control of a range of materials including: pencil and pen, paint, pastel, oil pastels and collage.</p>	
Music	<p><u>Exploring Rhythm and Pulse – African Drumming and Dance</u> The children will learn the basic techniques used in African drumming and explore the wide variety of sounds that these percussion instruments can produce. They will experience how different rhythmic patterns fit together and learn how to invent simple rhythmic patterns. This theme will integrate with the PE curriculum and the children will be taught African dance movements which they will perform alongside their rhythmic compositions.</p>	
PE	<p><u>Traditional African dance/Contemporary dance -'Outer Space'</u> Through these contrasting dance themes the children will: develop their flexibility, strength, technique, control and balance, perform dances using a range of movement patterns, work collaboratively, compose routines and compare their performances with previous ones and demonstrate improvement to achieve their personal best.</p>	
Computing	<p><u>Staying Connected</u> Creating blogs, uploading digital content and wikis based on subject knowledge covered this term in science. There will be an emphasis placed on the understanding of copy right rules and e-safety.</p>	
French MFL	<p>Complete the topics of: 'Animals', 'Descriptions', 'Preferences' and 'Family'.</p>	