



Hiltingbury Junior School

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YEAR 5

SPRING TERM
2017-2018

English

In the first half of the Spring Term, the children will have the opportunity to write their own quest stories, using video clips and oral retelling to develop their understanding of the key 'tricks of the trade'.

They will also study the poem, 'The Magic Box' by Kit Wright and use this to inspire their own descriptive writing, linking to our topic theme where relevant.

In the second half of the term, the children will plan, compose, and edit persuasive texts. They will take part in debates in order to explore points of view. We will also explore informal letters through the Amazon Diaries which link to our Brazil Geography topic.

Grammar and Punctuation

The children are taught grammar skills on a daily basis in starters to lessons. The skills taught are always relevant to the genre being studied at the time so the children have constant opportunities for application. On occasion, where appropriate, these skills are taught as discrete lessons. We will be covering: -

- Paragraphing
- Use of conjunctions
- The structure and effective use of short, compound and complex sentences
- Commas for embedded, relative and subordinate clauses
- The language conventions and grammatical features of different types of text e.g. discussion and explanation texts.

Spelling

This term, our spellings for each week will link clearly to a key spelling rule or convention that links to root words. When approaching these rules, children will be given the spelling rule being taught that week on a Friday to explore for homework and, at times, a selection of words to learn which follow this rule. At other times, the homework will be investigative and the children will be asked to generate their own list of words which fit the spelling rule. Children will be tested on the spelling rule through dictation and will also have opportunities to demonstrate their understanding of the rule through application in their written work. Using their editing pen, the children will also be encouraged to identify their own spelling mistakes in written work.

In addition, the children will:-

- ❖ Use a variety of spelling strategies e.g. sound out, individual dictionaries, spelling patterns and games
- ❖ Develop vocabulary by examining groups and alternatives
- ❖ Have practice with using dictionaries and thesauri

Vocabulary extension will entail using dictionaries efficiently to explore spellings, meanings, and derivations, using alphabetical order, abbreviations and definitions. Children in Year 5 will continue to use 'maggie' books to record interesting words and phrases from their reading. They will be encouraged to try these out independently in their own writing.

Focus on extending children as readers

The children will continue to be encouraged to read a variety of books and to keep their own reading records, reviewing and discussing the books they read. They should become sufficiently confident and independent to reflect upon their reading progress and identify areas for future development.

The children will investigate a range of texts through whole class reading lessons and English lessons.

Handwriting

The children will have a weekly handwriting session focused on developing our school cursive handwriting style. The children are encouraged to take pride in every aspect of their work and this will be celebrated in class (and assembly) each week.

Mathematics

The daily maths lesson will help the child become strong in all the skills of numeracy. Throughout Year 5 your child will be tackling the following mathematical skills:

- Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit
- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.
- Solve number problems and practical problems that involve all of the above
- Add numbers mentally with increasingly large numbers
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition multi-step problems in contexts, deciding which operations and methods to use and why
- Subtract numbers mentally with increasingly large numbers
- Subtract whole numbers with more than 4 digits, including using formal written methods
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.
- Compare and order fractions whose denominators are all multiples of the same number
- Multiply numbers mentally drawing upon known facts.
- Multiply numbers up to 4 digits by a one or two digit number using a formal written method including long multiplication for two digit numbers
- Multiply whole numbers and those involving decimals by 10, 100 and 1000
- Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.
- Divide whole numbers and those involving decimals by 10, 100 and 1000
- Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles
- Identify 3D shapes, including cubes and other cuboids, from 2D representations
- Read and write decimal numbers as fractions (for example, $0.71 = 71/100$)
- Round decimals with two decimal places to the nearest whole number and to one decimal place
- Solve real life problems involving the above.
- Recognise the per cent symbol (%) and understand that per cent relates to “number of parts per hundred”, and write percentages as a fraction with the denominator 100, and as a decimal.
- Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of multiple of 10 or 25.
- Solve problems involving converting between units of time.
- Complete, read and interpret information in tables, including timetables.

Science

In the spring term, we shall begin to explore 'Living Things.' In this unit the children will learn about life cycles, processes and reproduction in plants.

Children will begin to give reasons, based on evidence from comparisons and fair tests, for the particular uses of everyday materials such as wood, metals and plastic.

Geography

Brazil is our topic for the entire Spring term. Through Geography, we will be exploring Brazil's location as one of the 5 largest countries in the world. Children will locate Brazil in its world context and within South America, using maps to identify key cities, rivers and mountain ranges. Children will also gather information about the weather in Brazil, begin to understand how Brazil's location in the tropics affects its weather and how the different weather patterns across the country affect the landscape. An exploration of the cultural diversity of Brazil, including recently discovered rainforest tribes, will help children to have a better understanding of key parts of human geography: settlement types (including favelas), land use, trade links and the distribution of natural resources. Children will study two families: one from Sao Paulo (a coastal city), another from Manaus (the Amazon's largest city); use a wide range of photographs to further develop their ability to compare life in different parts of the world, their understanding, tolerance and respect for different ways of life. This will include key features of Brazil's rich culture including Carnival, Tourism and especially sports, in the run up to Rio 2016.

History

Due to a heavy focus on History in the Autumn and Summer terms, Year 5 will be focusing on their Geography units throughout the Spring term.

Art & Design

Linking to our topic of Brazil, in the first half of the Spring term the children will be studying the work of Henri Rosseau and creating their own abstract rainforest collages, using a selection of materials and techniques.

Design Technology

Our DT topic will take place in Spring 2 and will again link to our Brazil topic. Children will have experience of tasting and evaluating a range of vegetables in order for them to plan menus with a Brazilian theme: Rodizio skewers, grilled fruit and cous cous/ bean salads. Key skills will include the safety aspects when cutting and grilling.

Computing

Our ICT suite continues to provide an excellent facility for all Year 5 children to experience and develop their computing skills.

For the first part of the Spring term, the children will be developing their coding and programming skills primarily using Scratch. They will learn about 'if...then' and 'if...else' selection by creating quizzes and a car-controlled game. The focus will be on the children learning to debug their programs as they go, identifying errors and testing for improvement. In addition, the children will explore how to design and write a program which controls a simulation.

For the rest of the spring term the children will create a website about Brazil. They will work together in teams of 4 to research and write about different aspects of Brazil.

French

Our topics in French this term are weather and Easter. The children will learn the main terms for the weather in a geographical context, including the main Francophone countries, and towards the end of term will learn about Easter celebrations in France. The verb forms they will be focusing on are je vais and its related terms. Children will also develop language learning strategies and apply them at text, oral and listening level, including the core structure of 'il est'.

Music

Pupils' understanding and enjoyment of music is developed through activities that bring together requirements from performing, composing, listening and appraising.

Children will undertake these activities within different units of work which focus on a variety of musical elements and skills and which link to our topic of Brazil. They will learn about Brazilian Samba percussion and compose their own pieces to be performed.

Physical Education

The children continue to participate in games, gymnastics and athletics. We have games on **Mondays** and offer football and rounders in the spring term.

For indoor PE in the hall on **Fridays**, the children will cover jumps, leaps and turns in the first half term. Also in this term we have booked a samba dance teacher for an exciting samba workshop.

For all these activities children must bring to school and wear the appropriate kit as described in the school prospectus.

Religious Education

We follow the school's collective worship planning in Year 5 for our class assemblies. Our main focus in RE lessons this term is:

- ***Jesus Through Art*** – Comparing different artistic representations of Jesus through history.
- ***Resurrection*** – Linked to Easter.

PDL (Personal Development and Learning)

In the Spring term, Year 5 will explore learning skills: what these are, what they look like and how they can develop and apply these in their own work. Explicit links will be made to our Hiltingbury learner model and opportunities will be given for the children to be ambassadors for this, sharing their work with the rest of the school.

Homework

During Year 5, children will continue to benefit from support at home with the practising of spelling and spelling rules (as above), times tables and daily reading. In addition, a weekly 30 minute homework task will be set on a Friday and due in on the following Thursday.

Once during the year, an extended research project will be set and the children are encouraged to spend 4 weeks on this. This project will take place in the Spring term and will link to the children's work learning about Brazil.