



# Hiltingbury Junior School

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## YEAR 4

Spring Term  
2019

# English

Linking with our Anglo-Saxon history topic this spring and after hearing several stories on these magical creatures from the Orkney Isles, we begin the term with a non-chronological report on Selkies. Switching from non-fiction to fiction, our next topic is fairy tales with a twist. The children bring their skills for creating humour into these stories together with switching the good and bad characters or adding their own twist to these well-known stories. The term is concluded with another non-chronological report, to enable the children to build on their skills, linked to their science topic on digestion.

## Grammar and Punctuation

- Identify, use and structure paragraphs in both fiction and non-fiction texts
- Recap and consolidate use of speech punctuation
- Continue to work on extending the range of sentences with more than one clause by using a wider range of conjunctions.
- Use conjunctions, adverbs and prepositions to express time and cause.
- Use commas after fronted adverbials.
- Use correctly the apostrophe to show possession with plural nouns
- To correctly punctuate direct speech

## Spelling

Children will follow the spelling guidance from the new curriculum. New guidelines include lists of statutory root words with spelling rules and conventions that link to those root words. The time spent on a spelling rule will vary and rules covered will include revision of those explored in previous years, in accordance with the requirements outlined in the new curriculum.

In addition to the children being encouraged to identify their own spelling mistakes in their written work they will play games daily to reinforce the current rule, use a variety of spelling strategies, eg, sound out, individual dictionaries, spelling patterns, look, cover, write and check.

The focus this term will be to continue to look at prefixes and suffixes, and understand how to add them. Explore and investigate homophones.

## Reading

This term sees the introduction of new units of guided reading with a focus on Reading Detective and Language Lover. A huge range of brilliant literature will be used to help secure the children's understanding on the use of language. These will be whole class sessions, however the children will continue to be encouraged to read regularly both at home and during the school day.

## Handwriting

Children will continue to work on their cursive writing style which is taught as part of a structured progression on a weekly basis. Progress is recognised with an initial Apprentice Scribe certificate, followed by a Scribe certificate and Pen, and ultimately a Master Scribe award with a fountain pen.

## Mathematics

Spring term begins with the introduction of mental strategies for multiplication before exploring written methods and division. Children will continue to follow the mastery approach with daily lessons offering a range of activities including mental maths tasks, group work and investigations.

During the maths lesson children will have the opportunity to work in groups and learn from each other as well as solving problems on their own. Children are encouraged to explain how they solved a problem to identify patterns and rules.

Children need to be able to do simple addition, subtraction, multiplication and division in their heads before they go on to written methods for more difficult questions. If your child can understand how to use numbers without writing them down this is a big help in all kinds of numeracy activities.

Throughout Year 4 your child will be tackling these mathematical skills:

- count in multiples of 6, 7, 9, 25 and 1000
- find 1000 more or less than a given number
- count backwards through zero to include negative numbers
- recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
- order and compare numbers beyond 1000
- identify, represent and estimate numbers using different representations
- round any number to the nearest 10, 100 or 1000
- solve number and practical problems that involve all of the above and with increasingly large positive numbers
- read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.
- add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- estimate and use inverse operations to check answers to a calculation
- solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
- recall multiplication and division facts for multiplication tables up to  $12 \times 12$
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- recognise and use factor pairs and commutativity in mental calculations
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as  $n$  objects are connected to  $m$  objects.
- recognise and show, using diagrams, families of common equivalent fractions
- count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.

- solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- add and subtract fractions with the same denominator
- recognise and write decimal equivalents of any number of tenths or hundredths
- recognise and write decimal equivalents to a half, a quarter and three quarters
- find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- round decimals with one decimal place to the nearest whole number
- compare numbers with the same number of decimal places up to two decimal places
- solve simple measure and money problems involving fractions and decimals to two decimal places.
- Convert between different units of measure [for example, kilometre to metre; hour to minute]
- measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
- find the area of rectilinear shapes by counting squares
- estimate, compare and calculate different measures, including money in pounds and pence
- read, write and convert time between analogue and digital 12- and 24-hour clocks
- solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
- compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- identify acute and obtuse angles and compare and order angles up to two right angles by size
- identify lines of symmetry in 2-D shapes presented in different orientations
- complete a simple symmetric figure with respect to a specific line of symmetry.
- describe positions on a 2-D grid as coordinates in the first quadrant
- describe movements between positions as translations of a given unit to the left/right and up/down
- plot specified points and draw sides to complete a given polygon.
- interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
- solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

## Science

### Spring 1 - Animals and digestion

During the first half term the children explore animals and digestion. They will follow food, from the beginning of its journey at the mouth to the end, explore how it is broken down, why and how the body uses the different nutrients. They will also identify the different types of teeth in humans and compare these to animals.

## Spring 2 - Sound

Children will learn how sounds are made, that vibrations from sounds travel through a medium to the ear and that some materials are effective in preventing vibrations. They will also investigate pitch and volume.

## Geography

### Spring 1 - Biomes

Children will investigate and identify the features of a range of biomes. In particular, they will explore the climate and the impact it has on animal and plant life in a specific biome, and where biomes are located across the globe

### Spring 2 - **History**

The Anglo-Saxons are the focus for the first half term with an inquiry led investigation into why they invaded. Children will further investigate evidence to discover where they settled and the impact they had. They will also learn to evaluate evidence to discover what was important to the Anglo-Saxons and how people's lives changed when Christianity came to Britain. They will use artefact discoveries to draw conclusions on the past.

## Art

Linked to history and English, the children will explore an old Anglo-Saxon folktale on the Selkie, a magical creature only found in the Orkney Isles. The children will carefully draw both the human and seal form before combining both.

## Design and Technology

Children develop their designing and making skills through one main Design and Technology project each term. In each design and technology unit the children will be taught to design, make and evaluate.

During the spring term, we have a new topic to make a Panini.

## Computing

In the spring term, the children will learn to use data to create spreadsheets with some simple formulas followed by simple programming skills and control using Scratch.

## French

In French, the children will continue to learn how to read and understand familiar written words and short phrases. They will learn to write some familiar words and phrases from memory and communicate with others using simple words, phrases and short

sentences. They will listen and learn to identify words and short phrases. This will be in the context of food and the body.

## Music

Pupils' understanding and enjoyment of music is developed through activities that bring together performing, composing, listening and appraising. Children will undertake these activities within different units of work, which focus on a variety of musical skills. For one term, each class will participate in Listen2me music lessons to learn how to play the violin or the cello. They will perform in a concert for parents at the end of the term.

## Physical Education

The children have opportunities to participate in Games, Gymnastics and Dance. Our games lessons develop the foundation for games such as netball, football, and hockey to enable them to become physically confident in a way that supports their health and fitness.

We have Gymnastics or Dance in the hall once a week.

The units of work are: -

Spring 1 - PE, creating a sentence with a sequence of balances, rolls and transitions.  
Spring 2 – Beowulf dance. During this term the dance theme is Beowulf with children creating, improving and performing a sequence reflecting the confrontation between Grendel's mum the sea hag and Beowulf.

For all these activities children must bring to school and wear the appropriate kit. For your information lessons occur on these days: -

**Outdoor Games – Mondays** (tracksuit bottoms should be worn during colder months with a warm fleece). Please check your child's PE kit and trainers still fit them! (and they know how to tie their laces if new on trainers!)

**PE in the hall - Fridays**

## Religious Education

Year 4 will continue their studies in RE with the following themes: -

- ❖ Worship and prayer
- ❖ Sacrifice and Easter

## PDL (Personal Development Learning)

- ❖ Keeping healthy in and outside of school

Identifying hazards from substances at home and school, legal drugs and their associated risks, hazards in the environment and where to go for help.

## **Homework**

The support of parents is greatly appreciated, particularly with the gathering and practising of weekly spellings, learning times tables and reading or sharing books with your children. Homework is given out on a Friday which will be due in the following Friday. This will alternate between English, maths and a foundation subject.

### Visits/Visitors

Week 2 – Visit to a Mandir in Southampton linked to our RE topic on Worship.