



The Latham School

Year 6 Curriculum Outline

Term 1 2017 - 2018

Literacy

Writing:

This term, Year 6 will be focusing on a variety of fiction and non fiction texts, working across the curriculum to intertwine Scientific and Geographical based writing topics. They will begin to write longer pieces of creative writing and develop their skills to critically evaluate and edit their own and others' work.

There is a heavy focus on punctuation, grammar and the use of a variety of literary techniques to engage the reader. Their language choices will become more sophisticated and their understanding of single, compound and complex sentences will enhance the structure of their writing. They will be introduced to a higher level of punctuation, including; ellipsis, hyphens, colons, dashes and semi-colons. They will have opportunities to explore a wide range of poetry and compose their own using a variety of structures.

Spelling:

Each Friday, the children will be given a list of spellings to learn for a test which will take place on the following Thursday. They will be given a pattern to learn and an explanation of the rules of its use. Activities will be given weekly as part of their homework which will help to consolidate the spelling and meaning of each word.

Reading:

The children will be expected to read daily, both at home and in school. They will read to the teacher either on a one to one basis or as part of a guided reading group. This term the children will have the opportunity to read a range of Stories from Other Cultures, building on their experience of the wider world, as well as Environmental non-fiction texts and more traditional 'children's' books such as those by Roald Dahl.

The class teacher will read stories on a regular basis so that the children can develop their reading to include animation and expression.

Mathematics

Place value:

The children will learn to read and write numbers to ten million. They will use their knowledge of place value to round to the nearest 1,000, 10,000 and 100,000 and compare and order numbers up to ten million, including those with up to 2 decimal places.

The children will explore negative numbers and where they occur in real life, using problem solving skills to count back through zero.

Four Operations – Addition, Subtraction, Multiplication and Division:

The children will add and subtract numbers of more than 4 digits using the standard column methods. They will work in the context of money to add and subtract decimal numbers.

They will also practise solving multi-step addition and subtraction problems. They will explore the commutative law and begin to develop a higher level of accuracy by using estimation and inverse to check calculations.

They will learn to multiply a 4 digit number by a 2 digit number and be introduced to long division.

The children will be continuously exposed to real life word problems involving all four operations to embed a more logical and reasoned approach to calculations.

Fractions:

The children will develop their understanding of fractions using common factors to simplify and common multiples to express fractions in the same denomination. They will have the opportunity to develop their reasoning skills with mixed addition and subtraction of fractions problems.

They will also learn how to multiply fractions by whole number and multiply fractions by fraction.

History and Geography

Geography:

In the first half-term the children will study the Geography topic 'Save our Environment'. In the context of Rainforests, they will look at location and climate, identify layers of the rainforest and explore their purpose in the ecosystem. They will investigate the important role that biodiversity plays in our planet and have the opportunity to raise competing points of view about deforestation and determine their own position, supporting it with evidence.

The children will investigate the extinction of animal species and look at those

endangered due to deforestation. We will also compare this ecosystem with a contrasting one developing empathy to understand the lives of people very different from themselves.

History:

During the second-half term the history topic will be 'Mayans and Aztecs'.

Pupils will explore a wide variety of aspects of Mayan and Aztec life including their trade system, number system, calendar, games, education food, and Aztec warriors. They will also look at their belief system including gods and goddesses as well as sacrifices and compare it to our own.

Science

For the first half-term the children will study the topic 'All Living Things.' The children will build on their work in Year 4 by sorting animals into groups based on their similarities and differences. They will extend their learning to find out about the standard system of classification first developed by Carl Linnaeus, choosing an animal and researching its classification. They will learn about micro-organisms, and conduct an investigation into the growth of mould. Furthermore, the children will use play dough to create a new single celled micro-organism and explain how it is classified and why. Finally, the children will put their learning into practice by creating a field guide to the living things in their local area, showing how and why each one is classified.

For the second half-term the children will look at the topic 'Animals Including Humans.' They will be able to describe the simple functions of the basic parts of the digestive system in humans, identify the different types of teeth in animals and describe their functions. We will focus on developing the skills to construct and interpret a variety of complex food chains, identifying producers, predators and prey. They will be given multiple opportunities to set up practical enquiries, comparative and fair tests enabling them to record findings using scientific language, drawings, labelled diagrams, keys, bar charts and tables.

Art Design Technology

This term we will cover the following art techniques.

Drawing—Objects, landscapes and human figures

Clay Modelling - Modelling in the round and relief modelling

Basic Design - Colour combinations, paper tearing and cutting, texture(collage making), Print Making, Pattern Work, Tie and Dye Patterns.

Physical Education

During the first half term, pupils will be doing football , They will learn the following football skills: travelling with the ball (dribbling), passing, heading, goal keeping and attacking and defending techniques. In addition, they will continue to learn the importance of warm up and cool down exercises.

During the second half term, pupils will be doing tag rugby. In tag rugby pupils will learn dodging skills, catching and holding a rugby ball as well as attacking and defending skills.

Music

In conjunction with one of our literacy topics, we will be exploring 'Music from Other Cultures'.

The children will experience music from countries/cultures around the world, using a variety of percussion instruments as well as singing to compose and perform their own pieces.

Swahili

This term, Year 6 will be focusing on reading short stories' Siri tatu, Viazi, and Yaya Juha. They will learn new vocabulary and grammar. We will also learn how to write short stories and poems.

In the second half of the term pupils will learn parts of speech. They will read more short stories, 'Kilichomtoa kanga manyoya, Sautiyamauti, and Mzigowasiri' so as to build their reading and listening skills.

Each week pupils will be given ten Swahili words to practice ready for a spelling test on Fridays.

PSHE

The children will reflect on what makes a successful learner and consider the attitudes and skills which enable them to build stronger learning muscles. In connection with the Science topic 'Animals Including Humans', we will explore the human body and the changes that occur over time. We will also consider Environmental Issues both locally and globally.