

Year 6 Curriculum Overview

Guided Reading: Each term the children will read ability appropriate texts to develop their reading and comprehension skills. They will also read and discuss various SAT booklets focusing on different genres and non-fiction texts.

Grammar: There will be a strong emphasis on spelling, punctuation and grammar this year. The children will explore the use of a wide range of punctuation. They will look at different spelling rules and patterns and investigate different word types, clauses and phrases.

Autumn Term

English:

Biographies and Autobiographies: Children will investigate different types of autobiographical texts. They will be able to distinguish between the two. They will be taught to distinguish between fact, opinion and fiction. They will write their own autobiography, and research and write the biography of a chosen person.

War Poetry: Children will explore a range of war poems. They will be required to learn some poetry by heart and prepare other poems to read aloud and perform, showing understanding through intonation and tone. They will explore the author's message as well as their use of language. They will explore similes, metaphors and personification and use these to write their own reply to Flanders Fields.

Wonder: Children will read the story within the class and focus on the skills involved within Reciprocal Reading strategies. They will use this as a platform to explore different writing genres.

Fire Girl Forest Boy: Chloe Daykin the author of this story will introduce this class book which will introduce key geographical questions and issues to be investigated during the Rainforest topic.

Mathematics: *this will follow the mastery approach using the White Rose Maths as our focus for lesson planning*

The children will begin the year with a Place Value topic. They will be working on understanding place value up to 10,000,000 - being able to order and compare numbers to 3 decimal places. They will learn how to round any whole number to a required degree of accuracy, use negative numbers in context, and calculate intervals across zero. The children will then move onto looking in-depth at the written methods for addition, subtraction, multiplication and division. They will review their knowledge of common multiples, factors and prime numbers. The children will compare and order fractions with different denominators using the concept of equivalent fractions. They will look at strategies to add, subtract, multiply and divide fractions. They will recall equivalent fractions, percentages and decimals and solve problems involving the calculation of percentages. They will describe positions on the full coordinate grid (all four quadrants) and draw and translate simple shapes on the coordinate plane, and reflect them in the axis.

Throughout the topics the children will develop reasoning and problem solving skills.

Science:

Eco-Eastlea - We will explore different sources of energy and focus on renewable energy sources. We will investigate the issue of plastic pollution and how we can be part of the solution.

Plants: We will be investigating the functions of different plants and exploring the requirements needed for them to grow. We will explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Light: Children will explore their understanding of how light travels and how shadows are formed. They will also investigate colours and how the eye works.

Computing:

Each half term children will be given opportunities to make choices about which pieces of technology to use to complete a task. Children will explore e-safety issues. They will consider which devices they use to go online and the risks associated with this use. They will learn how to be a responsible digital citizen.

Children will use the internet to research, checking the plausibility of information from a variety of resources. They will learn how to modify searches further to find relevant information for a report and talk about where web content might originate from by looking at web address, author and other linked pages. They will skim and select information, checking for bias and different viewpoints. Children will be shown how to use School 360 to store their work.

Humanities

The children will start by revising the geographical maps of the World and the focus on the significance and position of longitude, latitude, Greenwich Meridian and time zones. The children will continue to develop their geographical skills. We will be looking at the continent of South America and the country of Brazil. We will be looking at the responsibility that humans have towards the environment and researching the Rainforests. We will link our Design Technology to this topic and will create our own Carnival masks, fruit smoothies and bio-domes.

We will then move our focus to Central America and then develop our historical skills within the work on the Mayans. We will research the Mayan Civilisation and look at the structure of their civilisation. We will focus on chronological events, the importance of the discovery of chocolate and the number system.

Art The first term will involve an Art topic looking at "The Great Wave of Kanagawa" by Katsushika Hokusai. We will use recycled materials to create a class piece of work. We will then focus on developing their printing skills. We will then look at the Brazilian artist Romero Britto and focus on his use of colour.

PE:

The children will receive lessons from a coach for their PE lessons each week. In the first half term, they will have basketball sessions and their second lesson of the week will cover

the game of football. In the second half term, they will again have a coach to deliver badminton sessions and the second lesson each week will focus on developing their rugby skills.

Spring Term

English:

Journalism: The children will focus on the features of journalistic writing. They will investigate what makes a good news story and how to write their own. They will become journalists for the day and write their own Eastlea Echo. They will also complete the 'Our School' page for the Evening Chronicle.

Fiction: We will be reading the whole class book 'The Boy in the Tower.' From this the children will look at a range of different fiction genres before focusing on the Science Fiction genre. They will write their own story focusing on developing characters and settings as well as creating a structured plot and storyline.

Mathematics:

The children will continue to develop their written strategies for the four rules of number. They will work with decimal notation and focus on finding a percentage of any given number. The children will learn how to use simple formulae, generate and describe linear number sequences and find pairs of numbers that satisfy an equation with two unknowns. They will solve problems involving ratio and proportion. They will calculate problems involving the conversion of units of measure, using decimal notation up to three decimal places where appropriate. The children will recognise when it is possible to use formulae for area of shapes and calculate the area of parallelograms and triangles. They will also use formulae to calculate the volume of cubes and cuboids. They will be able to name parts of circles and know that the diameter is twice the radius; they will investigate unknown angles in any triangle, quadrilaterals, and regular polygons and find unknown angles around a point, on a straight line or vertically opposite.

Science:

Earth and Space

During this topic, the children will learn about our Solar System. They will focus on the Sun, Moon and Earth. The children will investigate a planet and prepare and make a video reporting from space! They will also be given a 'Space' Homework project.

Computing:

Children will use technology to create animations and add audio and video effects to these animations. They will use a computer to add effects to, and edit, photographs. Children will continue to develop their use of coding languages. They will use Scratch to plan and design basic software, controlling the movement and responses of different elements on screen.

The children will continue to use, search, enter data into, and create their own, databases. They will use technology, including spreadsheets to create graphs and present data in different ways. They will be able to design, construct, evaluate and modify simple models i.e. enter data, enter formulae, copy cells and use simple formatting in a spreadsheet.

Humanities:

Geography skills will focus on developing geographical skills and viewing the physical features of the Earth with a focus on rivers. They will investigate the history of space travel and the moon landings.

Art:

They children will focus on space artist Peter Thorpe and use his unique style of art to create their own piece of space art.

Design Technology :

The children will be asked to design and make a spaceship that is big enough for a member of their team to fit in. The children will make solar powered moving models and investigate an astronaut's diet.

PE:

In PE the children will again have the specialist teaching from an outside coach and will be taking part in a new initiative in the Cramlington schools, of pilates. The children will also develop their tactical understanding and learn to apply basic principles suitable for attacking and defending within the game of hockey.

Summer Term

This is a very important term for Year 6 and the children will spend the first few weeks preparing for their end of Key Stage 2 **SATs**. They will be revising key areas in **Maths**, **English** and **Science**.

They will have their SATs in the week **11th May to the 14th May 2020**. We will ensure that the children are prepared for these tests but that they do not feel pressurised or nervous.

After SATs, and during the last half term we will be enjoying our residential in York.

Computing:

The children will continue to develop their animation and photography skills by designing a presentation about the residential visit to York, including photographs, video and audio. They will code a 'Crumble' to move a fairground ride which they have designed.

PE:

The children will cover the Striking and Fielding aspect of the curriculum with Cricket sessions. They will also be involved in Quad Athletics. Both sports will culminate in competitions.

The second half term will involve the children taking part in a range of cross curricular topics.

1. **The Cramlington Theme park** - in groups the children will design, cost and make their own theme park for the local area. Once they have designed it they will be involved in advertising and working out the day to day running of the park. Within this STEAM project they will be involved in designing their own rollercoasters and making their own computer-run moving ferris wheel.
2. **Leavers Assembly** - the children will script their own performance. They will write the assembly, rehearse, make props and perform it.

Transition: the children will be involved in a range of transition activities both at Eastlea and at the JLV (or other high/secondary schools if appropriate).