

Rainforests

Year 4 Autumn Term 1A 2020

MATHEMATICS

As **Mathematicians**, we will explore a range of fluency, reasoning and problem-solving questions on the following strands:

Number & Place Value

- Count in multiples of 6, 7, 9, 25 and 1,000.
- Find 1,000 more or less than a given number.
- Count backwards through 0 to include negative numbers.
- Recognise the place value of each digit in a four-digit.
- Order and compare numbers beyond 1,000.
- Identify, represent and estimate numbers using different representations.
- Round any number to the nearest 10, 100 or 1,000.
- Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value.

Addition & Subtraction

- To add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
- To estimate and use inverse operations to check answers to a calculation.
- To solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Measurement

- To convert between different units of measure.
- To measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.

PSHE

Focusing on the theme of Positivity, the children will discuss things that have a positive and negative effect

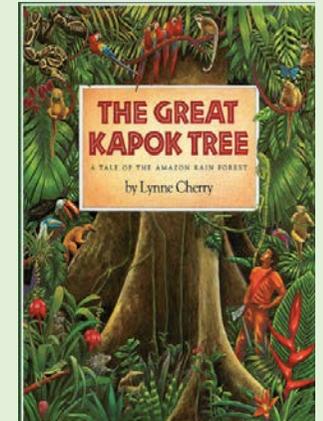
on their thinking. Children will also begin to make their own food choices, considering the benefits of eating healthy. Furthermore, children will learn strategies to keep themselves safe and healthy, emotionally and physically.

In **English**, children will read 'The Great Kapok Tree' to introduce the **rainforest** topic. Children will have the opportunity to respond to the text to express how they feel about rainforest conservation. Using the VIPERS question stems, children will develop their reading comprehension skills of the newly introduced book.

Children will also develop their understanding of text structure and vocabulary choices to support them in writing persuasive letters. Children will plan and write their letter using key features of persuasion. They will create and develop their critical arguments from their chosen character's point of view and use research in books and online to find supporting evidence.

Later in the term, in poetry, children will explore and write kennings, cinquains and haikus. They will also have the opportunity to perform their poetry in front of an audience.

ENGLISH



As **Scientists**, we will be studying the topic of **Living Things and Their Habitats**. Children will begin to explore and understand how living things are classified. They will have the opportunity to research different habitats, deepening their understanding of the positive and negative effects humans have on local environments and the impact this has on the natural habitat of other species.

SCIENCE



As **Geographers**, we will explore what a rainforest is and where they are found. Children will learn about the different layers of vegetation in a rainforest as well as investigate its climate. We will also research why the rainforest is under threat and what measures need to be taken to protect it. Children will then learn about the people and settlements of the rainforest.

As **Artists**, children will draw rainforest animals. They will study and replicate the art of Henri Rousseau. Finally, they will design, make and evaluate a rainforest animal mask.

In **Design & Technology**, children will design, make and evaluate a poison dart frog beanbag and a rainforest information book with moving parts.

HUMANITIES

As **Digital citizens**, we will be studying the topic of **E-Safety**. Children will learn how to create strong passwords and a safe online profile, explore ways of preventing and reporting cyberbullying and understand the importance of copyright.

COMPUTING

ENGLISH

Children will enjoy a range of Greek Myths. They will build and develop their reading comprehension skills by focusing on vocabulary, predictions, making inferences and summarising. They will also identify the key language and structural features of myths, then use this, to plan and write their own. Children will be involved in the process of editing and revising their work before presenting it to an audience. Later in the term, children will also explore and understand a range of poetic devices; identify and comment on the author's choice of language and recite and perform poetry.

HUMANITIES

As **Geographers**, children will research the physical geography, population and culture of Greece today.

As **Historians**, they will place the ancient Greek civilisation in time, learn about the differences between Athens and Sparta and begin to understand the term 'democracy'. Children will also explore daily life and the impact of the ancient Greek civilisation on the modern world.

As **Artists**, we will design, create and evaluate comedy and tragedy masks, decorate a pot in the form of ancient Greek pottery and create a soap sculpture in the style of ancient Greek statues.

As **Designers**, children will design, create and evaluate a labyrinth and a reproduction of the Parthenon.

SCIENCE

As **Scientists**, we will be studying the unit Living Things in their Habitat. Children will learn about and compare the life cycles of birds, mammals, amphibians and insects. They will describe how flowering plants reproduce and will explore the processes of sexual and asexual reproduction in plants.

YEAR 5

AUTUMN TERM 1A 2020



MEET THE GREEKS

PSHE

Through our topic of being Positive, children will learn how negative thoughts can impact their physical, mental and emotional wellbeing. They learn that if we think positive thoughts, we will be able to see the positives in even the most challenging situations.

MATHEMATICS

As **Mathematicians**, we will explore a range of fluency, reasoning and problem-solving questions on the following strands:

Number and place value

- Understand place value in 1000s, 100s, 10s and 1s.
- Identify and represent numbers to 1,000,000.
- Round numbers to the nearest 10, 100, 1,000.
- Order and compare numbers to 100,000.
- Round numbers within 100,000.

Addition and subtraction

- Add whole numbers with more than 4-digits.
- Subtract whole numbers with more than 4-digits.
- Round to estimate and approximate answers.
- Use inverse operations.
- Solve multi-step addition and subtraction problems.
- Solve addition and subtraction problems.

Multiplication and Division

- Identify factors, common factors and multiples.
- Identify prime, square and cube numbers.
- Multiply by 10, 100, 1000.

Statistics

- Interpret charts, tables, timetables.
- Read and interpret line graphs.
- Make comparisons and calculate sum and difference.
- Draw line graphs.

COMPUTING

As **Digital citizens**, we will study the topic of E-Safety. Children will learn about the E-Safety code of conduct and how to create strong passwords. They will learn the importance of using technology safely, responsibly and respectfully. They also use a range of software to collect and present information.

English

Students will be exploring the graphic novel 'The Arrival' by Shaun Tan as a stimulus in their English lessons. Over the term, they will respond to the text; explain and discuss their understanding of what they have read. They will also explore new vocabulary; develop their inference and summary skills, to support concluding. The learning will then be extending to gain an understanding of flashbacks and key narrative writing elements. In this first half-term, particular focus will be on creating meaningful dialogue and developing powerful descriptive and figurative language. Finally, the students will demonstrate their understanding by planning and writing a narrative with flashbacks based on the theme of migration.

Also, as a class book, the students will be reading, 'Refugee Boy,' by Benjamin Zephaniah, responding to the text and discussing their understanding.

Science

This first half of the term, the student will study cells and their organisation. They will develop their knowledge to cultivate ideas into questions (working scientifically), understand what variables are and learn the significance of making predictions. They will also learn that all living organisms are made of cells. Then, using a microscope, will observe what both animal and plant cells consist of. They will then extend their knowledge by looking at specialised cells and how they differ to other plant and animal cells. Then conclude the unit considering the movement of substances in and out of cells, understanding the process of diffusion.

Humanities

In this first half of the term, students will study an aspect of British history that extends their chronological knowledge beyond 1066. They will explore the concept of migration, understanding how the movement of people from one place to another was/is necessary for skills acquisition, knowledge and innovation for global growth.

Migration

Year 6 Term 1A, 2020

Curriculum Overview



Maths

In Maths, we will explore a range of fluency, reasoning and problem-solving questions.

Number and Place Value

- I. Read, write, order and compare numbers up to 10,000,000.
- II. Round any whole number to a required degree of accuracy.
- III. Use negative numbers in context.
- IV. Solve number and practical problems that involves all of the above.

Addition and Subtraction

- I. Add/subtract whole numbers with more than 4 digits.
- II. To understand and use inverse operations.
- III. Solve addition and subtraction multi-step problems in contexts.
- IV. Use estimation to check answers.

Multiplication and Division

- I. Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method.
- II. Divide numbers up to 4 digits by a two-digit number using the formal written method.

Fractions

- I. Understand and use equivalent fractions, simplify fractions, convert improper fractions to mixed numbers and vice versa.
- II. Identify and represent fractions on a number line, compare and order fractions, and add and subtract fractions.

PSHE

Staying positive in such unpredictable times is a value that must be encouraged. Students will learn to recognise their worth as individuals by identifying positive things about themselves and their achievements. They will be encouraged to face new challenges positively by making responsible choices and taking action.

Computing

The 21st century and the internet go hand in hand, which is why the students will study the topic of E-safety. They will learn how to use technology safely, respectfully and responsibly. They will recognise acceptable/unacceptable behaviour and identify a range of ways to report concerns about content and contact.