

Geography

This half-term, we will focus on **Africa**, specifically the geography of this **Amazing** continent. Children will revisit the skill of locating countries using an Atlas. We will study Africa's physical and geographical features, as well as learn about food, trade, climate and land use.

English

One of the many amazing things about Africa, is its deep-rooted, oral tradition of storytelling.

All across Year 3, we will be reading a range of African folktales and studying their features. We will work towards writing our own traditional stories with morals, including a descriptive writing. During the writing process, there will be particular focus on the use of vivid language, prepositional phrases to add detail and a clear written structure.

Children will also have the opportunity work collaboratively in groups to conduct research on a specific African country. They will review note taking and extending ideas to produce a detailed report on their allocated country.

Science

In Science, the children will learn about forces. They will investigate the effects of friction on speed. They will also explore magnets, learn about their strength, structure and how they work. By the end of the unit, children will use their knowledge and scientific skills to design an interactive game that incorporates the use of force with magnets.

Year 3
AMAZING
AFRICA

Spring 2, 2020

Art & DT

This half-term, children will study the work of a famous African artist. They will design and create an African mask, taking into consideration the importance of patterns, colours and materials to express the message of their different designs.

PSHE

This term is all about KINDNESS!

We will get together as a class and review our understanding of kindness and how it can be showed. We will also reflect upon the impact kindness can have. The children will have the opportunity to discuss the importance of empathy and acceptance, while also exploring how they can inspire kindness in others.

Maths

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

Money – using the understanding of place value in money to add, subtract and solve British money word problems.

Capacity – learning to measure and compare capacity in ml and L. Children will also be expected to convert between different units of measures, add, subtract and solve problems involving capacity.

Weight and Temperature - measure, compare, add and subtract weights. Children will also be expected to measure and estimate temperatures.

Time – recall key time facts, review how to tell the time using vocabulary such as am, pm. Then also compare time intervals and solve problems.

Computing

Building upon their introduction to Scratch Jr. last term, the children will now extend their programming skills using the MS Turtle Logo and Scratch 2.0 software. They will use both to develop their skills to create short animations for their chosen sprites.

English: Raging Rivers

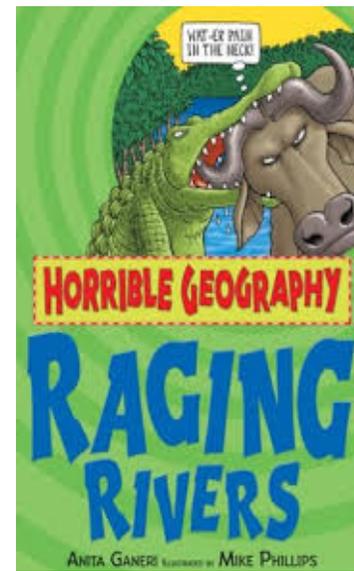
This half term, the English theme is **RIVERS**. English and Geography will be closely linked, as students research, read and write about a variety of the World's most famous rivers in both subjects.

Writing: Informal Letters will be the focused text type.

Reading: Students will continue to follow the **VIPERS** reading strategies to boost key reading skills:

- V**ocabulary – give/explain the meaning of words in context
- I**nference – make inference from the text/explain and justify using evidence from the text
- P**rediction – predict what might happen based on details stated or implied
- E**xplain – identify/explain how information/narrative content is related and contributes to the meaning as a whole
- Identify/explain how meaning is enhanced through choice of words and phrases
- Make comparisons within the text
- R**etrieve and record key information/details from fiction and non-fiction
- S**ummarise main ideas from more than one paragraph

Grammar & Spelling: Grammar will be embedded into English lessons and suitable to the text type being taught. Reading Eggs will be a major platform for practicing the English National Curriculum for Year 4 spelling words as we apply these words within the context of our English lessons.



YEAR 4

SPRING TERM 2, 2020

Mathematics

In line with the school's Mastery approach to learning, students will continue to develop their fluency, reasoning and problem solving skills and knowledge in their assigned mathematical tasks, to reach a greater depth of understanding in Maths.

Students will also have the opportunity to apply their Mathematical knowledge by conducting Mathematical investigations and solving some examples of real life problems.

- **Number & Place Value** – identify, read and write the value of digits to two decimal places; count up and down in hundredths, and solve problems involving decimals. Students will also partition numbers in different ways, order and compare numbers with up to 2 decimal places and solve simple measure and money problems.
- **Addition & Subtraction** – embed the different strategies that can be utilised to solve both mental and written addition and subtraction problems including decimal numbers.
- **Fractions** – compare and order fractions using a number line. There will also be a review of decimal equivalents of fractions, finding fractions of a quantity, as well as solving measure and money problems.
- **Measurement: Money** – Year 4 will use related facts to convert between pounds and pence. They will calculate fractions of an amount as well as estimate and calculate sums of money using real life examples. Students will have the opportunity to apply their knowledge of the four basic operations and fractions to investigate and reason a variety of multi-step word problems. This will all be applied in the context of British (GBP) money.
- **Times tables** – Students' knowledge of all their times tables will continue to be practiced regularly.

Science: Sound

Year 4 will learn about how sounds are made, exploring how vibrations determine the different sounds that we hear. Students will investigate the relationship between sound and distance, testing and evaluating the changes in sound in relation to the distance travelled. Students will also use the scientific method to plan and investigate ways in which sound is absorbed.

Finally, students will also identify patterns between the pitch of a sound and the features of different objects that produce sound, in order to make their own musical instruments from recycled materials.

Computing – Programming

Extending on their previous knowledge and skills of using the Scratch 2.0 software, students will explore different types of quiz formats to create their own programmed version. During the project they will learn to debug faulty programs, work with variables, review sequencing and explore the repetition blocks.

Art: Claude Monet



Year 4 students will be learning about 'The Father of Impressionism' – Claude Monet. Students will learn about his life story, the impact he had on the Impressionist movement in art and have an opportunity to replicate one of his paintings using the same techniques with watercolours.

P.S.H.E. – KINDNESS

In line with the CES learner charter and Guiding Statements, students will explore the meaning and importance of KINDNESS through a range of activities including: discussions, games, role play and presentations.

Geography: Rivers

In Geography this half term, Year 4 will be taught about the water cycle, and locate the key rivers of the world. Using iPads, students will also research key features of a river system and create a 3D model using modelling clay. Students will develop their literacy skills, by describing the different ways that rivers are used, while also exploring both the positive and negative impacts humans can have on river systems around the world.

ENGLISH

Children will first study the film unit 'Little Freak'. They will further develop their reading comprehension skills using the VIPERS question stems, with a focus on identifying the key language and structural features of discussion texts. They will then plan and write their own discussion texts. Children will also explore a range of descriptive writing pieces, analysing the key features of structure and language before writing their own.

GEOGRAPHY

As Geographers, children will learn about the difference between physical and human geography. They will explore the key features of sketch maps before creating their own using a range of mapping symbols. Children will also learn about the different types of settlements and Egypt's water crisis.

DESIGN & TECHNOLOGY

As designers, we will become aspiring engineers and architects. Children will find out about the purpose of a greenhouse and how it works. Then progress to how structures like these can be made stable and what materials would be most appropriate to use. They will design, make and evaluate their own mini greenhouses.

SCIENCE

As Scientists, we will study the unit 'Properties of Materials'. Children will carry out a range of practical activities and scientific enquiries to understand the difference between a range of materials, how materials can be mixed, alongside reversible and irreversible changes.

YEAR 5

SPRING TERM 2 2020

EVERYONE COUNTS AND EVERYTHING MATTERS!



PSHE

Through our topic of Kindness, children will learn about the importance of treating adults, children and themselves with Respect. They will help to develop a Bully Free zone in school and their use kind words to others.

MATHEMATICS

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

Fractions, Decimals, Percentages

- Compare and order fractions mixed numbers and improper fractions
- Add and subtract mixed number fractions
- Count on and back in mixed number fractions
- Read and write decimals as fractions
- Write percentages represented by diagrams
- Represent percentages using diagrams
- Convert percentages to decimals and fractions
- Write the equivalence between fractions, decimals and percentages

Geometry

- Estimate and compare angles
- Measure angles
- Draw angles
- Calculate missing angles on a straight line
- Calculate missing angles around a point

Properties of shapes

- Identify regular and irregular polygons
- Solve problems involving missing lengths and angles

Position and Direction

- Translate shapes
- Plot and read coordinates

Measures

- Understand the difference between liquid volume and solid volume
- Estimate and calculate the volume of 3D shapes
- Estimate capacity

COMPUTING

Children will extend their coding language skills by writing HTML scripts to create different forms of digital media using the Trinket software platform.

Year 6 Curriculum Overview

Spring Term 2020

Looking Back

Art:

We will explore the theme of 'Looking Back' by looking closely at a variety of techniques used in Islamic art. We will explore and research on identifying the main elements of Islamic art, look at how Islam has influenced art and create our own art work based on our findings and the techniques explored.

Maths:

In Year 6, we teach a mastery approached maths curriculum that enables children to develop a deep and secure understanding of mathematics by focusing on a teaching cycle of fluency, problem solving and reasoning, to show their knowledge and understanding. The topics that we will cover this term include:

Shape

- To identify and describe properties of 2D shapes
- To identify and describe properties of 3D shapes
- To sort geometric shapes using Venn diagrams
- To sort geometric shapes using Carroll diagrams
- To solve a range of problems involving shapes

Statistics

- To identify and calculate intervals
- To construct and interpret bar graphs
- To construct and interpret line graphs
- To interpret pie charts
- To calculate and interpret averages

Problem Solving

- To solve 2 step problems
- To solve multi-step problems

Ratio

- To solve percentage comparison problems
- To solve problems involving the calculation of percentages
- To solve ratio problems
- To solve scaling problems
- To solve problems involving unequal sharing and grouping

Shape

- To recognise angles
- To calculate missing angles
- To draw 2D shapes using given angles
- To solve problems involving angles



English:

This term we will be producing the following as we explore the famous and legendary text '1001 Arabian Nights':

- Newspaper Reports
- Stories with Flashbacks

Within this unit, we will examine the features hybrid texts and explore the advantages and disadvantages of a text within a text to delve deeper into character motives, drives and actions.

Grammar will continue to be embedded within lessons, with links made to the focused text types. While the VIPERS tool will continue to be used to develop students' comprehension skills.

History:

We will look at and explore within our theme of 'Looking Back' the Early Islamic Civilisation. We will begin by researching when and where the Early Islamic Civilisation existed and explain the importance of Baghdad's role within it.

We will also look at the key aspects of the House of Wisdom, explain some of the significant discoveries and understand the roles and responsibilities of a Caliph.



Science:

In our second Chemistry unit, this term we will be teaching the following:

- Elements
- Atoms
- Compounds



We will also continue to work on developing our scientific reasoning and vocabulary to produce explanation texts and non-chronological reports, whilst developing the following practical skills:

- Observation - through scientific enquiry and investigation
- Classifying - by noticing similarities and differences
- Inference - to provide an explanation based on an observation
- Communicating - in order to share our findings using graphs and diagrams

PSHE:

Our second value of this term will be **Kindness**.

We will explore this value by looking at how we portray ourselves in different situations and what kindness looks like to different people.

The topic will encourage us to think about different acts of kindness and how we can show this more often to the many people around us.



Computing:

Year 6 will extend their programming skills by learning to code using Python - a type of programming language.

We will explore how to use this textual programming language to solve a variety of computational problems, develop our ability to write simple programs that respond to user inputs and understand the importance of annotating codes.

