Year 5 Spring Term 2024
Topic Web

Maths

Fractions, Decimals and Percentages

- Compare and order fractions with common multiple denominators
- Identify, name and write equivalent fractions
- Recognise and convert between mixed numbers and improper fractions
- Add and subtract fractions with common multiple denominators
- Multiply fractions and mixed numbers by whole numbers
- Read and write decimal numbers as fractions
- Recognise and use thousandths
- Round decimals
- Read, write, order and compare numbers with up to 3 decimals places
- Solve problems involving decimals
- Understand that percent relates to 'parts per hundred'
- Write percentages as a fraction
- Solve problems which require knowing percentage and decimal equivalents

English

R – Reading W – Writing G – Grammar

Percy Jackson: The Lightning Thief by Rick Riordan

- R: Drawing inferences and justifying inferences with evidence
- W: Describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action
- G: Using brackets, dashes or commas to indicate parenthesis

Journeys through Greek Myths by Marcella Ward

- R: Increasing familiarity with a wide range of books, such as myths
- W: Using a wide range of devices to build cohesion within and across paragraphs
- G: Using relative clauses beginning with who, which, where, when, whose, that or with an implied relative pronoun

DK Eyewitness: Ancient Greece by Anne Pearson

- R: Retrieve and record information from non-fiction
- W: Noting and developing initial ideas, drawing on research were necessary
- G: Using different clauses, such as compound, complex and embedded with the correct use of commas

Playscripts – Various Authors

- R: Preparing poems and plays to read aloud and perform
- W: Perform their own compositions, using appropriate intonation, volume and movement so that meaning is clear
- G: Using semi-colons, colons or dashes to mark boundaries between independent clauses

Science

Working Scientifically

- Taking measurements with increasing accuracy and precision, taking repeat readings when appropriate
- Recording data and results of increasing complexity using labelled diagrams, tables, and graphs
- Planning different types of scientific enquiries to answer questions

Forces

- Explain that unsupported objects fall towards the Earth because of gravity
- Identify the effects of air resistance, water resistance and friction that act between moving surfaces

Living things and their habitats

- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- Describe the life process of reproduction in some plants and animals

Ancient Greeks

Big Question:
What am I?
Where are we going?
What has God given us?

Topic (History) – Ancient Greeks

- Complete a study of Greek life and achievements and their influence on the western world.
- Note connections, contrasts and trends over time
- Establish clear narratives within and across periods studied.

Art

- To create sketch books to record observations and use them to review and revisit ideas
- To improve mastery of art techniques such as drawing and sculpting
- To learn about great artists and architects

DT

- To understand how key events and individuals in design and technology have helped to shape the world
- Become competent in a range of cooking techniques

RE

Christmas

- Explore the difficulties faced by Mary and Joseph and the tensions that arose with King Herod.

Parables and Sayings of Jesus

- Know some important parables and sayings of Jesus
- Know the Kingdom of God was part of the language Jesus used to explain his preaching
- Identify ways in which the Church lives out this teaching

Lent

- Reflect on what nurtures and damages human relationships and recognise the Sacrament of Reconciliation as the Church's celebration of forgiveness.

Holy Week

- Recognise links between Passover, the Last Supper and the celebration of Mass

Music

- Appreciate a range of music drawn from different traditions and from great composers and musicians

Computing

I2ITSOW computing scheme

- Unit: Programming Microbits

PSHE

TenTen Scheme of Work

- Unit: Personal Relationships
- Unit: Life Online

Physical Education

PE at School with Hockey coach – Mondays
Swimming – Fridays

- Swim competently, confidently and proficiently
- Use a range of strokes effectively
- Perform safe self-rescue in water

Year 5 Spring Term 2023 Knowledge Organiser

TOPIC	SCIENCE	
Key Vocabulary: Primary sources Secondary sources Archaeologist Artefacts Chronological Timeline Temples Gods and goddesses Influence Culture Olympics	Key Vocabulary: Forces Gravity Pressure Push Pull Friction Resistance	Key Vocabulary: Life cycle Mammal Insect Amphibian Reproduction
Star Questions- these are key questions to think about and discuss at home		
*When did the Ancient Greeks live? **What did the Ancient Greeks believe in? ***Compare the Ancient Greeks to the Ancient Romans. ****Were the Olympic Games more entertaining in Ancient Greece or modern day? *****Create a presentation about an influential person from Ancient Greece.	*Name a type of force. **What do levers, pulleys and gears do? ***How do unsupported objects fall towards the Earth? ****Describe the forces acting on a hot air balloon. ****Explain the effects of air resistance, water resistance and friction, that act between moving surfaces.	*What is a life cycle? **How are the life cycles of mammals and insects similar and different? ***Create a diagram with labels to show the life cycle of an animal of your choosing. ****Create a 3D model to show the life cycle of an animal of your choosing. *****Categorise 50 or more animals according to their life cycle.

These questions are of increasing difficulty, encouraging pupils to be 'ambitious for the higher gifts'. The 'four' and 'five star' questions are designed to be opened ended and rely on higher order thinking (see Bloom's Taxonomy). Perhaps these questions could form the basis of discussions at home, as well revisiting key knowledge in the first 'three-star' questions.