

Science

The 'States of Matter' unit will teach us about the differences between solids, liquids and gases, classifying objects and identifying their properties. The children will work scientifically and collaboratively to investigate the weight of a gas. Furthermore, they will have the chance to find the ideal temperature to melt chocolate. They will explore in-depth how water changes state, exploring melting, freezing, condensing as well as a particular focus on evaporation. Finally, they will learn about the stages of the water cycle.

Scientific Skills we will gain this term:

- Know that materials can be grouped into solids, liquids and gases.
- Know that some materials change state when they are heated or cooled.
- Know the temperature at which change of state occurs in degrees Celsius (°C)
- Know the part played by evaporation and condensation in the water cycle.
- Know that the rate of evaporation is associated with temperature.

Geography

Can you name and locate cities of the UK? Can you identify key topographical features? Can you identify the position and significance of latitude, longitude, the Equator and the hemispheres? Can you describe and understand key aspects of physical geography including mountains, volcanoes and earthquakes?

Geographical Skills:

Using a map to identify cities of the UK
Using an atlas to improve locational knowledge
Using secondary sources of information



RE

How and why do religious people show they care for others? Do you know who founded Christianity and where was it founded? What are the main beliefs of Christianity? Why do Christians call Jesus the light of the world? Can you name the main Christian festivals? Do you know any symbols of Christianity?

Skills:

- Ask and answer questions
- Critical thinking
- Personal reflection
- Reflect and respond

Art, Design & Technology

Can you master different design techniques, including drawing, painting and sculpting using a range of materials? Do you know about great artists in history?

Can you select materials, textiles and ingredients according to their properties and qualities? Can you select from and use a wider range of tools and equipment to perform practical tasks for example, cutting, shaping, joining and finishing?

Maths

Count in multiples of 6, 7, 9, 25 and 1000

Find 1000 more or less than a given number

To read and use Roman Numerals to 100 (**to 1000 for Year 5**)

Count backwards through zero to include negative numbers

Recognise the place value of each digit in a four-digit number

To order and compare numbers beyond 1000 (**up to 1 million for Year 5**)

To add and subtract numbers with up to 4 digits (**more than 4 digit for Year 5**)

To solve addition and subtraction problems (**multi-step for Year 5**)

To recall and use multiplication and division facts

To recognise and use factor pairs & commutativity in mental calculations

To multiply two-digit and three-digit numbers by a one-digit number

Class 4 Rivers to the Sea

Geography

In class 4, we will be looking at the journey of a river, from source to mouth. We will look at our Local River and famous rivers in the world.

Geographical Skills:

Children will describe and understand key aspects of:

- Physical geography: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.
- Human geography: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.

Computing

Can you design, write and debug programs to accomplish specific goals? Can you explain simple algorithms? Can you use search technologies effectively? Do you understand the importance of using technology safely, respectfully and responsibly?

Computing Skills:

Sequencing, selecting and repeating programs

Using logical reasoning

Recognising acceptable/unacceptable behaviour

Identifying a range of ways to report concerns about content and contact

Music

What is the history of music? Can you play a musical instrument with control and expression? Can you perform in a group and as a solo? Can you improvise and compose music for a range of purposes? Do you appreciate and understand music from great composers and musicians? Amy will be visiting our classroom this term to educate us about a range of musical instruments and genres.

English

Reading

Listening to and discussing a wide range of texts.

Using dictionaries to check the meaning of words.

Drawing inferences, making predictions and retrieving information.

Writing

Using prefixes and suffixes

Accurately placing the possessive apostrophe

Writing from memory

Planning, drafting, evaluating and editing our work

Using a wider range of conjunctions

Using fronted adverbials, adverbs and prepositions

Choosing nouns and pronouns appropriately for clarity and cohesion

Using and punctuating direct speech