

Science - Objectives

- Recognise that environments can change and that this can sometimes pose dangers to living things,
- Making systematic and careful observations and, where appropriate, taking accurate measurements,
- Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions,
- Recognise that living things can be grouped in a variety of ways,
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment,
- Recognise that environments can change and that this can sometimes pose dangers to living things,
- Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers,
- Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant,
- Investigate the way in which water is transported within plants,
- Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Activities - Science

Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions,
Identifying differences, similarities or changes related to simple scientific ideas and processes,
Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables,
Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions,
Setting up simple practical enquiries, comparative and fair tests,
Draw whole plants using close observation and art crayons to blend and match colours,
Spot differences in the health of seedlings and begin to think about reasons and investigate the way in which water is transported within plants.

Maths - Objectives

Pupils can represent and explain the multiplicative nature of the number system including how it extends into decimal numbers, as whole numbers are divided by 10 or 100 and connect this understanding to units of measure. Pupils can represent and explain the relationship between decimals and fractions. They use this understanding to solve problems.

- Find groups of equivalent fractions by multiplying,
- Recognise hundredths and count in steps of multiple hundredths using a hundred square if needed,
- Add and subtract fractions up to and over one whole using fraction bars
- Identify fraction and decimal equivalents for halves, quarters and tenths;
- Use place value grids to divide by 10 and 100,
- Draw number lines to round decimals to the nearest whole number,
- Compare decimals with same number of decimal places,
- Solve a variety of problems involving fractions selecting support where needed.

French - Objectives

- Read and understand a familiar fairy tale in French
- understand and respond to some spoken and written instructions in French
- Write short, simple sentences in French using a noun and an adjective
- Identify and use masculine and feminine forms of some French adjectives
- Identify and correctly pronounce the French *qu* sound and the nasal *an, en* and *on* sounds

Physical Education Objectives

- Focus : Multiskills - outdoor education where possible
- Travel in different ways with confidence and control
- Can send and receive objects
- Improve on travel with confidence and skill around, under, over and through climbing equipment
- Improve on jumping from different heights
- Shows some agility, balance and coordination with control
- Shows awareness of space adjusting speed and direction
- Improve on controlling objects with pushing, patting, throwing, catching, and kicking
- Avoid, chase and dodge
- Make up simple games.

RE - Objectives

RE Objectives

How do festivals and worship show what matters to a Muslim?

How do festivals and family life show what matters to Jewish people?)

To learn of two Pillars; prayer (salah) and fasting (sawm), using a more in-depth study of a text from the Qur'an to deepen understanding about God and the Prophet.

To explore the importance of the family and home in Judaism.

Activities - RE

Labelling the main features of a mosque and how they're used by Muslims.

Create fact files about how festivals such as Ramadan and Eid-ul-Fitr show what matters to Muslims .

Describe how Jews show their beliefs through worship in festivals, both at home and in wider communities.

Forces of Nature

Computing - Objectives

Spreadsheets - exploring different features of spreadsheets and create a table and block graph using a spreadsheet.

Logo - Learning common commands and constructs of the Logo programming language and developing their ability to compose algorithms for drawing mathematical structures and turn these into Logo code.

Coding - algorithms, creating computer programme with different features and debugging.

Design and Technology - Objectives

Design purposeful, functional, appealing products for themselves and other users based on design criteria.

Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]

Select from and use a wide range of materials and components. Explore and evaluate a range of existing products. Evaluate their ideas and products against design criteria. To use running stitch, back stitch and over stitching techniques.

Activities - Design and Technology

Explore different sewing techniques used to attach components such as zips, poppers and buttons to materials. To design and create a money container.

Activities - Geography

- Use coloured card to create an annotated version of the structure of the Earth,
- Investigate the effects of volcanic eruptions such as Montserrat (Caribbean island - North America) in the world and discuss the pros and cons of why people choose to settle near active volcanoes,
- Group research in role as tour reps for TUI with the aim of researching information about a chosen state of North America and creating a brochure of information for holiday makers!

English - Objectives

Reading

- Read common suffixes and understand how they affect root words,
- Read common prefixes and understand how they affect root words,
- Read and re-read age-appropriate books,
- Read common 'exception' words,
- Discuss and express views about fiction, non-fiction and poetry,
- Use skimming and scanning skills for efficiency,
- Re-reading a sentence which surrounds unfamiliar words to deduce meaning,
- Ask and answer questions; make predictions,
- Referring to specific sections to text to support inferences,

Speaking & Listening

- Articulate and justify answers appropriately
- Initiate and respond to comments
- Use spoken language to develop understanding
- Maintain attention, participate and contribute to whole-class and group discussion

Writing

- Learn to spell common 'exception' words
- Use appropriate size letters and spaces
- Develop positive attitude and stamina for writing
- Use punctuation and grammar techniques more consistently

Activities - English

- Researching and writing biographies of famous inventors,
- Researching and writing a non-chronological report about wildlife,
- Writing a chronological report in the form of a newspaper article,
- Designing their own invention before writing an explanation piece about how it works,
- Applying SPaG techniques based around a Take One Book sequence.

Art and Design - Objectives

Use a range of materials creatively to design and make products.
To use drawing, painting and sculpture to develop and share their ideas, experiences and imagination
To develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space.
Learn about the work of a range of artists, craft makers and designers, describing the differences and similarities between different practices and disciplines, and making links to their own work.

Art and Design Activities

Look at North American landscape artworks by Leonid Afremov and explore his impressionistic painting style. To look at James Ayers' fine art portrayals of Native American people and infer what life was like living in North America for these clans. To focus on use of pencil and oil pastels for shade, tone and proportion.

Geography - Objectives

- Explore similarities and differences, comparing the human geography of a region of the UK and a region of North America,
- Understand geographical similarities and differences through the study of physical geography of a region of the United Kingdom,
- Identify the position and significance of latitude, longitude, Equator and the Prime Meridian,
- Use key vocabulary to demonstrate knowledge and understanding of volcanoes and earthquakes: mantle, outer core, inner core, magma, volcano, active, dormant, extinct, epicentre, shock wave, magnitude, tsunami, tornado, climate, settlement, settler, site, shelter, food.