

English

Rainforest and conservation

Throughout this topic children will write factual texts incorporating their learning about the world around us concentrating on Rainforests, animals and conservation, including plastic pollution.

Mouse Bird Snake Wolf By David Almond

A thought-provoking book, which provides opportunity to study emotional response to the characters and setting. It provides an excellent stimulus for persuasive writing, debate and written arguments.

The Great Kapok Tree by Lynne Cherry (linked to Geography unit)

A narrative text exploring global issues and how illustrations can enhance and influence a reader's experience. Opportunities for debate, which allow children to make connections with their own lives and express thoughts and views. Children will compose and illustrate their own narratives.

SPAG

Activities promoting the choice of nouns or pronouns for clarity and cohesion within writing and to avoid repetition. Indicating possession by using the possessive apostrophe with singular and plural nouns. Opportunities to use the present perfect form of verbs in contrast to the past tense.

Class Readers

Michael Morpurgo

Homecoming
Alone on A Wide Wide Sea
Kenzuke's Kingdom
Half a Man

Maths

Decimals – compare, order and round up to two decimal places. Decimal equivalents of $\frac{1}{2}$ $\frac{1}{4}$ and $\frac{3}{4}$.

Measurement – money

Estimate, compare and calculate with pounds and pence. Solve money problems using two decimal places.

Time – Convert from hours to minutes, minutes to seconds, years to months and days to weeks. Convert between 12 and 24 hour clock times.

Statistics – Interpret continuous and discreet data using bar charts and time graphs.

Geometry - properties of shape

Identify acute and obtuse angles. Identify various triangles and quadrilaterals. Identify lines of symmetry in 2d shapes. Complete symmetrical figures.

Geometry - position and direction

Identify positions as coordinates in the first quadrant. Plot specified points to complete a polygon. Describe translations as left right and up/down,

Science

All Living Things

Recognise that living things can be grouped in a variety of ways
Use classification keys to help group and identify animals
Recognise that environments can change and this can pose dangers to living things.

States of Matter

Compare and group materials together, according to solids, liquids or gases
Observe that some materials change state when they are heated or cooled, Identify the part played by evaporation and condensation in the water cycle.

History

Mining and our local history.

Children will study Sunderland/Durham's mining history and heritage, how local pits employed high percentages of the local community and the location of local pits across Sunderland and Seaham. They will explore the pit closures in the 1980's and redevelopment of pit sites e.g Herrington Park, Stadium of Light and Dalton Park. Explore mining traditions, the role of children working in the mines and local pit disasters. This will then lead to mining today in other parts of the world.

Year 4 Summer Term Our Green World



Geography

Rainforests

Research and understand the effects of climate change upon the rainforests to and the people, plants and animals within them. Learning linked to Class Reader: Homecoming – Michael Morpurgo.

Land use - mining/nuclear power

Look at the change of land use in Sunderland i.e. the former coal mines of Monkwearmouth, Silksworth and Herrington Collieries compared to their current use.
Study how power is generated today as an alternative to fossil fuel, solar and wind.
(Linked to History topic of mining)

Computing

We are meteorologists Collecting and analysing data and information using computers; organising, manipulating and presenting this to an audience. (Links with Geography)

We are html editors Using and understanding the internet, the web and search engines, effectively and safely. (Design web page linked to Rainforests)

Music

Compose a piece of Samba music

Listen and respond to pieces of Samba music. Encourage children to pick out instruments they can hear. Identify beat patterns and rhythm. Learn about the origins of Samba music (Linked to Geography topic - Rainforests). Children play Samba beats on various percussion instruments following simple music notation. Rehearse and perform a piece of Samba music in an ensemble.

DT

Design and make a bug hotel (linked to Science).

Research examples of various bug hotels. Investigate and analyse a range of natural products from the environment and assess their suitability for the purpose. Investigate joining techniques using natural materials. Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

RE/PSHE/British Values

Recycling, looking at the importance of caring for the environment and the consequences of littering and environmental damage. Study of school grounds, daily litter picks with site supervisor of perimeter. Types of litter found and identify their sources. Children to visit the coastline and organise a litter picking session and discuss the effects upon fish and other wildlife. Recognise how values have a positive influence on our classroom and the outside world.

PE

Athletics/Summer Games

Use running, jumping, throwing and catching in isolation and in combination
Play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending
Outdoor and Adventure
Take part in outdoor and adventurous activity challenges both individually and within a team
(Linked to Broomley Grange Residential Visit)

Languages

Numbers

Listen and respond to simple rhymes and songs.
Memorise and present short spoken text.
Listen for sounds, rhyme and rhythm.
Recognise and respond to sound patterns and words.
Perform simple communicative tasks using single words, phrases and short sentences.

Art and Design

Improve mastery of drawing and shading techniques. Use a range of pencil strokes to create different effects and colours. Draw and shade a rainforest parrot and tree frog. Evaluate paintings by Henri Rousseau and David Miller.