

Knowledge Organiser Year 4 Spring 1

Learn these facts to help you
with your work.

Science-Sound 3 lessons carried over from previous
term

States of Matter

Important vocabulary

Solid, liquid, gas, solidify, melt, freeze, evaporate, evaporation, condense, condensation, temperature, thermometer, water cycle.

To identify a material as solid, liquid or gas. Compare & group materials together based on whether they are a solid, liquid or gas.

Know that some materials change state when heated or cooled and measure or research the temperature at which this happens in degrees Celsius (°C)

Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

Amazing Antarctica!



Key texts this term: Einstein the Penguin by Iona Rangeley

Winter's Child-Grahame Baker-Smith, Angela McAllister

Geography

Important facts

Identify the position & significance of the Northern & Southern Hemisphere.

That Antarctica is located at the South Pole.

Be able to identify some plants and wild-life whose habitat is Antarctica.



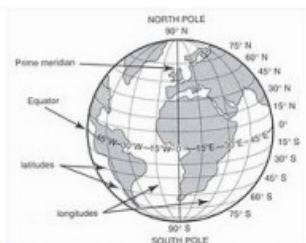
Famous people and places

Northern Hemisphere

Southern Hemisphere

Antarctica

South Pole



Religious Education

Symbols & religious expression

To know what a pilgrimage is.

To know some places of pilgrimage for Christians.

To understand that the Hajj is an important pilgrimage for Muslims.

To know what happens at Hajj

To explore the idea of life being like a journey.

English

English: non-chronological reports, narrative animal story, character description-focus texts Einstein the Penguin Iona Rangeley, Winter's Child-Grahame Baker-Smith, Angela

McAllister

Week 1- Week 2– Non chronological reports (penguins) note making, use of headings/subheadings, rhetorical questions,

Week 3-4 -Einstein the Penguin, use of expanded noun phrases to describe characters & settings, fronted adverbials of time, place, manner

Week 5-6-Winter's Child, use of adjectives, similes to describe main character in story, possessive apostrophes to show belonging.

Handwriting-Following Sheffield structured scheme-use the diagonal and horizontal strokes that are needed to join letters and understand which letters, when adjacent to one another, are best left unjoined. Increase the legibility, consistency and quality of their handwriting

SPaG-singular & plural apostrophes, question marks, adjectives, expanded noun phrases, paragraphing, capitals for proper nouns, possessive apostrophes.

Reading-Comprehension exercises (Cracking Comprehension) retrieving

Info from texts to answer questions. Book reviews-giving own opinion on a text. Daily reciprocal whole class reading.

Maths

Multiplication & division.

Factor pairs, use factor pairs, Multiply by 10 & 100, Divide by 10 & 100.

Informal written methods for multiplication. Multiply 2 digits by 1 digit. Multiply 3 digits by 1 digit.

Divide 2 digits by 1 digit. Divide 2 digits by 1 digit with remainders.

Divide 3 digits by 1 digit. Correspondence problems. Efficient multiplication.

Measurement-length & perimeter

Measure in kilometres & metres, equivalent lengths (kilometres & metres)

Perimeter on a grid, perimeter of a rectangle, Perimeter of rectilinear shapes, find missing lengths in rectilinear shapes, perimeter of regular polygons, perimeter of polygons

Fractions

Understand the whole, count beyond 1, partition a mixed number, number lines with mixed numbers, compare and order mixed numbers.