

English – SKILLS – Read Write Inc. (Include but are not limited to below)

Reading

- Responds speedily with the correct sound to graphemes (letters or groups of letters) for all 40+ phonemes, including, where applicable, alternative sounds for graphemes
 - Reads accurately by blending sounds in unfamiliar words
 - Reads common exception words
 - Reads aloud accurately books that are consistent with their developing phonic knowledge and that do not require them to use other strategies to work out words
 - Listens to and discusses a wide range of poems, stories and non-fiction at a level beyond that at which they can read independently
 - Becomes very familiar with key stories, fairy stories and traditional tales.
 - Checks that the text makes sense to them as they read
 - Corrects inaccurate reading as they read
 - Discusses the significance of the title and events
 - Predicts what might happen on the basis of what has been read so far
 - **Applies a growing knowledge of root words, prefixes and suffixes both to read aloud and to understand the meaning of new words that are met**
 - **Listens to and discusses a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks**
 - **Uses dictionaries to check the meaning of words that have been read**
- Writing**
- Begins to form lower-case letters in the correct direction, starting and finishing in the right place
 - Writes sentences by sequencing sentences to form short narratives
 - Writes sentences by re-reading what has been written to check that it makes sense
 - Spells words containing each of the 40+ phonemes already taught
 - Names the letters of the alphabet in order
 - Writes from memory simple sentences dictated by the teacher that include words using the GPCs and common exception words taught so far
 - **Introduces capital letters, full stops, question marks and exclamation marks to demarcate sentences**
 - **Organises paragraphs around a theme**
 - **In narratives, creates settings, characters and plot**
 - **Proof-reads for spelling and punctuation errors**

Geography

- Skills:**
- Identify the position and explain the significance of latitude, longitude, equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, the Arctic and Antarctic Circles, the Prime (or Greenwich) Meridian and time zones (including day and night).
 - Describe the climatic similarities and differences between two regions.
 - To understand why the earth tilts on an axis and how this impacts daylight hours for different countries.
 - Ask and answer geographical questions and hypotheses using a range of fieldwork and research techniques.
 - Explain how the presence of ice makes the polar oceans different to other oceans on Earth.
 - Compare and describe physical features of polar landscapes.
 - To know that the six main physical features of a polar landscape are: iceberg, glacier, mountain, ice field, tundra and boreal forest.
 - Explain how climate change affects climate zones and biomes across the world.
 - Describe the distribution of natural resources in an area or country.
 - Explain how humans function in the place they live.
 - Present a detailed account of how an industry, including tourism, has changed a place or landscape over time.
 - Classify living things, including microorganisms, animals and plants, into groups according to common observable characteristics and based on similarities and differences.
 - Research unfamiliar animals and plants from a range of habitats, deciding upon and explaining where they belong in the classification system.
 - Use and construct classification systems to identify animals and plants from a range of habitats.
 - Identify how animals and plants are adapted to suit their environment, such as giraffes having long necks for feeding, and that adaptations may lead to evolution.
 - Describe some of the significant achievements of mankind and explain why they are important.
 - Ask and answer deeper and broader scientific questions about the local and wider world that build on and extend their own and others' experiences and knowledge.
 - Examine the decisions made by significant historical individuals, considering their options and making a summative judgement about their choices.
 - Think critically, weigh evidence, sift arguments and present a perspective on an aspect of historical importance.

Year 6 - Spring 2023

Frozen Kingdoms



Opener: Turning Blue Class into a Frozen Kingdom
Middle: Investigation into how animals stay warm.
End: Design and creating a programmable device for home.

Science

- Skills: Electrical circuits and components.**
- Choose an appropriate approach to recording accurate results, including scientific diagrams, labels, timelines, classification keys, tables, models and graphs (bar, line and scatter), linking to mathematical knowledge.
 - Compare and give reasons for variations in how components in electrical circuits function (brightness of lamps; volume of buzzers and function of on or off switches).
 - Independently decide which observations to make, when and for how long and make systematic and careful observations, using them to make comparisons, identify changes, classify and make links between cause and effect.
 - Report on and validate their findings, answer questions and justify their methods, opinions and conclusions, and use their results to suggest improvements to their methodology, separate facts from opinions, pose further questions and make predictions for what they might observe.
 - Take accurate, precise and repeated measurements in standard units, using a range of chosen equipment.
 - Ask and answer deeper and broader scientific questions about the local and wider world that build on and extend their own and others' experiences and knowledge.
- Activities**
- Create circuits using a range of components including lamps, buzzers, LEDs and motors.
 - Measuring the voltage and current in series and parallel circuits.
 - Designing and making programmable home devices. (combined design and technology lesson).

Geography

- Activities:**
- Creating a frozen kingdom grotto in Blue Class.
 - Labelling the Earths longitudinal, latitude and meridian lines.
 - Describing and comparing similarities and differences of the geography in our location and arctic and Antarctic locations.
 - Investigation into how animals in cold parts of the world have adapted to their surroundings.
 - How can I insulate my body to keep it warm in cold conditions?
 - Blog article about the climate change crisis.
 - Plotting a landscape of a cold climate country.
 - Creating a presentation showcasing how indigenous communities survive in cold climates.

Music-

- Skills:**
- Understand 'Timbre'
- Activities**
- Body percussion basics
 - Exploring different sounds
 - Developing body percussion
 - Composing a body percussion piece
 - Compose and perform your body percussion piece

Maths

Maths Skills: Multiplication and Division

- Activities:**
- Understanding factor pairs; Using factor pairs; Multiplying by 10; Multiplying by 100; Dividing by 10; Dividing by 100; Understanding related facts involving multiplication and division; Using informal written methods for multiplication; Multiplying a 2-digit number by a 1-digit number; Multiplying a 3-digit number by a 1-digit number; Dividing a 2-digit number by a 1-digit number; Dividing a 2-digit number by a 1-digit number; Dividing a 3-digit number by a 1-digit number; Understanding correspondence problems; Week; Using efficient multiplication methods.

Maths Skills: Fractions

- Activities:**
- Understanding the whole in fractions; Counting beyond 1 in fractions; Partitioning involving a mixed number; Number lines using mixed numbers; Comparing and ordering mixed numbers; Understanding improper fractions; Converting mixed numbers to improper fractions; Converting improper fractions to mixed numbers; Placing equivalent fractions on a number line; Equivalent fraction families; Adding two or more fractions together; Adding fractions and mixed numbers; Subtracting two fractions; Subtracting from whole amounts; Subtracting from mixed numbers.

Maths Skills: Fractions

- Activities:**
- Measuring in kilometres and metres; Finding equivalent lengths (kilometres and metres); perimeter on a grid; Finding perimeter of a rectangle; Finding perimeter of rectilinear shapes; Finding missing lengths in rectilinear shapes; Calculating the perimeter of rectilinear shapes; Finding the perimeter of regular polygons; Find the perimeter of irregular polygons.

Art

- Skills**
- Creating a frozen kingdom grotto in Blue Class.
 - Create a 3-D form using malleable materials in the style of a significant artist, architect or designer. Explain the significance of different artworks and artists from a range of times and cultures and use elements of these to create their own artworks.
- Activities**
- Creating a frozen kingdom grotto in Blue Class.
 - Soap carving.
 - Animal prints

Design and Technology - Food

- Skills:** Understand healthy eating, safety in the kitchen and basic preparation skills.
- Activities:**
- Making banana pancakes; egg fried rice; chicken fajitas.

RE

- Skills**
- Islam (Ramadan and Eid al-Fitr)
 - Judaism (Passover)
- Activities**
- Creating a moon cycle display.
 - Comparison of themes from across different religions.
 - Creating a gratitude list of 10 things I am grateful for.

Computing

- Skills**
- Y4:**
- Can use logic to explain or correct algorithm, and solve a programming problem by breaking it down into smaller parts
- Y5:**
- Use sequence, selection and repetition in programmes
- Activities:**
- Using J2 code to programme movement by creating an algorithm.

Well being

- Skills: Activity passport**
- Activities:**
- Making a model from Paper Mache
 - Create and perform a small play.
 - Making a puppet.
 - Design an Easter egg.
 - Making an Easter card.

Skills: Trampoline

- Activities:** Being safe whilst using the trampoline and using the correct form to bounce. Only one person bounces at a time and when waiting for your turn you must spot.

Skills: Swimming

- Activities:** listening to the safety instructions from the instructor, ensuring they are able to enter the pool appropriately and carry out simple different strokes & using equipment.