

Waddington Primary School Summer in Year 5

Pole to Pole

If I travel Pole to Pole How Would The World Change Around Me?

Stepping into Sir David Attenborough's domain, we have been set the challenge to work as geography researchers for the latest BBC nature documentary: Pole to Pole.

This incredible experience will take us on a majestic journey through the biomes of our world. Using the UK as our base, we prepare for this adventure by retrieving all the geography skills and knowledge we have acquired in KS1 and KS2. Using and **reading atlases**, we secure our understanding of location and place knowledge, underpinned by our new learning of latitude, climate zones and how to use a climate zones map. Through application of this understanding, we will then compare the biomes of the world, using a biome map, **drawing connections** between climate and their physical features.

Beginning their journey at the North Pole, we will travel on a southwards journey, through the Americas and to the continent of Antarctica and the South pole. We will explore the biomes along the way, **making links** to our understanding of lines of latitude and climate zones, whilst using **observations of physical features** and **making comparisons** between the biomes of the Americas to Europe and the UK. As we travel through different biomes, we will delve deeper into the threats environments can face. We will **ask geographical questions** about living in the rainforest and use **observations** and **virtual fieldwork** to find answers. We will then identify and explain the **causes and effects** and the impact of humans on biomes.

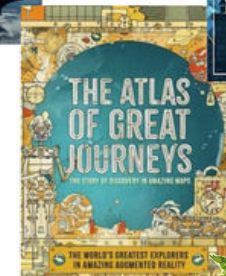
Geography

Activation

We will use Google Earth and become geographers exploring the climates and biomes of Earth traveling from Pole to Pole through the Americas.

Authentic Outcome
Working as researchers for the BBC's Environment Sector, we will create research notes, journal entries and reports to answer the question: If I travel from pole to pole, how will the world change around me? We will present our findings to experts!

We are reading...



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English

Author Study

In our aim of developing a community of readers, reading and stories sit at the heart of everything that we do.

This term, we engage with stories from the author Abi Elphinstone

Her stories inspire us to become authors ourselves, as we learn to write for a range of purposes and audiences. These include writing biographies, diaries and setting descriptions.

We will be focusing on embedding our composition skills, in writing through the use of precise vocabulary to create an effect on the reader, using a variety of sentence structures for impact and use formality depending on our intended audience.

As authors we take pride in publishing our final outcomes and sharing them with our intended audiences.



Poetry

Poetry helps develop communication and language, as well as developing our listening.

As Authors, we will listen to a range of poems such as The Walrus and the Carpenter and Jabberwocky. We will then write our own poems based on these,

Maths

Working as mathematicians we will:

- Calculate with decimal fractions
- Identify factors, multiples and primes
- Investigate fractions
- Convert units of measure
- Explore angles

We will speak like mathematicians using the correct vocabulary to explain our thinking and understanding. We will demonstrate our mathematical knowledge and understanding through using manipulatives and a range of pictorial representations.

Reading Drive

We are continuously working hard to develop our reading fluency. Our Reading Drive lessons focus on:

- Running Wild
- The Great Kapok Tree
- The Fantastic Flying Books
- Around the World in 80 Days
- Shackleton's Journey
- The Hobbit

Science

Living things and their habitats

Animals including humans

Working as scientists, we will generate scientific questions and follow lines of enquiry to develop our scientific understanding.

Using observations, we will explore life and reproductive cycles of plants, mammals, birds and humans.

We will use scientific vocabulary and draw conclusions on how offspring grow and develop during gestation and make links between gestation and life expectancy.

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French

Chez Moi

identifying different types of houses and the names of the rooms

PSHE

Staying safe online

What choices help health?

We will be exploring our attitudes to risk, peer pressure and how to stay safe when online. We will also be discussing emotions and puberty looking at how feelings and our bodies change as we grow up.

Commando Joe

Ernest Shackleton

Legendary Antarctic explorer, ideal for discussing polar regions.



Art

As artists, we will explore movement using technology to capture images. We will then work with the medium of wire to create out our **sculptures** with increased control and accuracy, capturing a movement.



Movement in Sculpture Wire

DT

Structures- Frame , Structures/CAD

As engineers, we will develop use knowledge of box and frame structures and more complex 3D structures. We will develop and use knowledge of how to construct strong, stiff frame structures. We will **design, make** and **evaluate** our creations, whilst using technical vocabulary.

Computing



Creating Media- Vector Graphics

We will use drawing tools, creating images and combining shapes, becoming graphic designers.

Programming -Selection in Quizzes

We will be planning, designing and evaluating our quizzes, using selections.

PE

Golf

Tennis

Athletics

Cricket

RE

- Spirituality and new
- religious movements

How does this effects people?

- What are your thoughts on spirituality and how it can affect people's lives?



Music

We will be learning how to sing and perform a traditional African song called Shosholoza. We will also be performing, using Musical Theatre, Learning how singing, acting and dancing can be combined to give an overall performance.

Experience Days

8.04.25- Art week. Andy Warhol

8.5.25- VE Day

19.5.25 - Intensive Swimming Week

13.6.25- Creswell Craggs

23.6.25- Showcase.