



Specific Areas of Learning

Maths – Reception

- How long would it take to travel to the South Pole?
- Number bonds to 5
- Combining 2 groups
- Numbers 6-10
- Comparing groups up to 10

Maths – Year 1

- Place Value – 10s and 1s
- Adding by counting on
- Addition to 20
- Subtraction to 20
- Counting forwards and backwards
- Counting 2s and 5s

Understanding the World

- Looking at Antarctica/The South Pole on a globe or in an atlas/on a map
- Polar animals and how they survive
- Different species of penguin
- Food chains
- Hot and cold places
- How to keep warm
- Salt water experiment
- Drawing maps to get to the South Pole
- How to get to the South Pole
- Freezing and melting - changes of state
- Antarctic explorers
- Recycling and sea pollution

Personal, Social & Emotional Development

Free-flow choosing time within a planned Early Years Environment provides children with opportunities to develop self-confidence, their sense of self and begin to make established friendships within their class group. Children will make independent choices about their learning by carefully selecting resources both on their own and with others, which will enable them to use and apply their knowledge of the world around them, subsequently leading to a greater level of understanding. Children will converse with one another, negotiate, take turns, learn about each other's feelings and begin to understand how their actions can affect these.

Prime Areas of Learning

Topic Title:

Frozen/ Antarctica



Communication & Language

- Talk Partners provide regular opportunities for children to converse, discuss and peer assess their learning
- Free-flow choosing time promotes an expanse of communication – listening, talking, responding, understanding
- Weekly **Spanish lessons**
- **Talk Homework** in preparation for Big Write
- Daily phonics teaching, including the introduction and discussion of new vocabulary

Physical Development

Weekly **Physical Education lessons**

Outdoor Environment -

Trim trail, bikes and scooters, mud kitchen, stage, den building, large scale construction resources

Sensory/Fine Motor Tray -

Developing muscle tone, develop hand-eye coordination and experience and explore different textures

- Build an igloo/boat
- Cotton wool snowballs
- Making wool snowball pompoms

Expressive Arts & Design

- Can you build a boat for the boy and penguin to get back home? How will you make it strong enough? Materials
- Cardboard tube penguins
- 'Cold colours' – shades and tones of blue, white and silver
- Painting on foil
- Various Antarctica themed crafts
- Sugar cube igloos
- Sensory and texture play – making ice rinks for penguins

Literacy

Fiction

- Lost and Found – Oliver Jeffers
- Up and Down – Oliver Jeffers
- The Emperor's Egg – Martin Jenkins

Non-fiction

- National Geographic Kids: Penguins!
- Antarctica Usborne Beginners

Big Writing, including Talk Homework

Phonics

Letters & Sounds: Phase 2 and Phase 3
Segmenting and blending
CVC/CVCC/CCVC words
Introduce tricky words
Y1 – Phases 3 and 4

Literacy ideas may include:

- Book review
- Label a penguin
- Write the penguin's packing list for his trip to Antarctica
- Make LOST posters for the penguin
- Write postcard from the South Pole
- Small world story characters or puppets
- Penguin fact pages
- If you could have a penguin or different animal as a pet, what would it be? How would you look after it?