

## Science:

**Seasonal Change** – observe/describe weather associated with season & day length.

### Animals (including Humans)

Identify common features of the main groups of vertebrates.

Suggest whether an unfamiliar animal might be a carnivore, herbivore or omnivore.

Compare key features of familiar and unfamiliar animals.

Notice that animals, including humans, have offspring which grow into adults.

Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)

**How do our senses help us to experience the animal life that God creates?**

### Geography – Human and Physical Cold Places (Polar Regions)

Identify hot and cold areas of the world in relation to the Equator and the Poles. Use a range of maps and globes and vocabulary. Locate land and sea and key features on maps. What are the native people who live in the Arctic circle like? Who were the first explorers to visit the North Pole? When? What did they take with them? Compare with polar expeditions today.

**What does Jesus teach us to help us follow the right path?**

### Design and Technology – Houses/Animal Homes

Explore structures & materials for building model houses/homes.

Build structures, exploring how they can be made stronger, stiffer and more stable.

Use and name the materials and tools they are using safely.

**Can we create stronger structures like the Wise Man who built on rock?**

### Art and Design - Sculpture (Clay)

Skills for working with malleable materials - 3-D clay – develop skills for manipulating malleable materials. Rolling, kneading, changing surfaces. Use tools safely and carefully. Use clay tools.

Create a clay penguin sculpture

### P.E – Dance (3 Little Pigs Unit) & Gymnastics (Making Shapes)

Create a simple sequence of movements to music.

Dance movements for use in Nativity

Pike, Straddle, Tuck, Arch and Dish shapes.

Link shapes to make a simple sequence of movements.

### Computing – Coding (Espresso Coding Units) & applying Online Safety Rules

Understand what algorithms are; how they are implemented as programs on digital devices; Create and debug simple programs;

Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

Year 1 - Unit 1A On the Move & Year 2 – Unit 2A Different sorts

**British Values - Online Safety – using websites/devices at home safely & respectfully.**

**How can we use technology wisely to reflect God's compassion?**

### PSHE – Staying safe in the Community (PPA)

Begin to understand about being safe.

Have an awareness of which adults they can trust and who to go to for help if they feel unsafe.

**British Values – Rule of Law – protects us and helps those who help us stay safe**

**MC – Rules protect all groups in our society from bullying/hatred/unfair treatment**

**How can following God's rules help us to live better lives?**



## “Polar Adventure”

Mrs Ramsay - Class 2  
Autumn 2 – 2018

### R.E – Year 1 Unit 1.3 Christmas Gifts

Discuss the thoughts and feelings associated with giving and receiving gifts. Deepen understanding of the true meaning of Christmas.

### R.E - Year 2 NCF Holy Books & Unit 2.2 Christmas and Jesus

Begin to develop children's understanding of holy books from faiths other than Christianity and their significance in the lives of believers.

Look at the story of Christmas from the perspective that it was good news then and now.

**British Values – Freedom of Faith and Acceptance**

**MC – the importance of Holy Books for other Faiths**

**How can we use our God given talents and gifts to make the lives of others better?**

### Music - Songs for Christmas Nativity

Use voices expressively through singing and chanting.

Create musical patterns and rehearse and perform with others.

Use simple instruments to accompany singing and performances.

**MC – exploring different music styles for celebrating Christmas traditions**

## Mathematics

### Counting, Multiplication and Sorting

Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. Understand multiplication as repeated addition.

Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.

### Statistics

Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.

Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.

### Fractions and Measurement

Understand and use the terms numerator and denominator.

Understand that a fraction can describe part of a set.

Understand that the larger the denominator is the more pieces it is split into and therefore the smaller each part will be.

Recognise, find, name and write fractions  $1/3$ ,  $1/4$ ,  $2/4$  and  $3/4$  of a length, shape or set of objects or quantity.

Count on and back in steps of  $1/2$  and  $1/4$ .

### Money

Recognise and use symbols for pounds (£) and pence (p).

Combine amounts to make a particular value.

Find different combinations of coins that equal the same amounts of money.

### Time

Know the number of minutes in an hour and the number of hours in a day.

Compare and sequence intervals of time.

Tell and write the time, including o'clock, half past, quarter past/to the hour and draw the hands on a clock face to show these times.

## English

**Shared Story: Mr Penguin and the Lost Treasure (Adventure story) - Alex.T. Smith**  
**Stories by the same Author: Simon Bartram**

Generate and write questions; Identify and discuss new/exciting vocabulary; Listen to stories by the same author; Innovate their own stories; Write stories based on a model including subordination, apostrophes for contracted forms and original story features.

### Non-chronological reports (Animals in Polar Regions)

Ask and answer how, where, why and what questions.

Discuss how information is used and organised.

Non-chronological report about an animal studied presented as an information poster/booklet/ICT outcome. eg. penguin booklet

Safety posters: Bonfire Night/Fireworks

### Poems on a Theme (Animals – Penguins & Remembrance – In Flanders Fields)

Listen to a range of poems at a level beyond that they can read independently.

Use tone and intonation when reading aloud or performing a poem.

Write simple poems based on models. Shape, sense and acrostic poetry.

Review of a themed poem(s).

### MFL – Spanish (PPA)

- Map of Spain – foods and traditions for Christmas

**MC - Culture and Language of Spain**