



LIMITLESS POTENTIAL

IGNITE PASSION

EMBRACE DIFFERENCE

**Year 4/5**

**Autumn I 2017**

**Topic:  
Snow and Ice**

**Mathematics:**

Times tables and mental maths.

Add and subtract mentally with increasingly large numbers up to four digits.

Recognise the place value of digits in a number

Round numbers to the nearest 10, 100 and 1000.

Estimate and use inverse operations to check answers to a calculation

Solve two step problems using addition and subtraction

Count backwards through zero into negative numbers.

Practice 6, 7 and 9 times tables.

**Humanities:**

Locate and describe where Antarctica is.

To name main biomes in the world.

Describe and understand key aspects of the Antarctic Biome.

To use a compass to give directions

Understand what lives in Antarctica.

Understand how Antarctica differs to our home.

Use co-ordinates to find a location.

Use compasses and co-ordinates to plan a route.

**Computing: Retro games**

Control the movements and actions of a sprite in scratch.

Add backgrounds using algorithms

Use Scratch's programming language.

**Art/ DT:**

Create a model penguin

Produce water colour paintings of the Antarctic landscape.

**MFL:**

Numbers 21-30

Weather

**Music:**

Understand why people sang sea shanties

Perform sea shanties with call and response structure.

**PSHCE: Health and Wellbeing**

How do we make informed choices?

What influences the choices we make?

Recognise strengths and reflect on achievements

Deepen understanding of feelings

Dealing with change

**English:**

To revise correct punctuation in sentences

To confidently use a dictionary and thesaurus.

To explore the cultural background of a piece of text to understand settings, characters and plots.

To develop characters to use in a descriptive story.

To learn the features of a non-chronological report

Write a non chronological text.

To read a variety of texts and answer questions.

To read for pleasure.

**SCIENCE –**

understand what a material is and identify a number of materials that surround us.

state characteristics of a range of materials and make comparisons.

investigate and identify materials that are thermal conductors and insulators.

investigate and identify materials that are electrical conductors and insulators

understand the difference between dissolving and melting and to identify which materials will dissolve in water.

investigate factors which affect the dissolving of a material.

**RE: Christianity**

What is religion?

What do followers of Christianity believe?

What does Christianity teach?

Why are some people important to followers of Christianity?

How do followers of Christianity worship?

Christian practices of Baptism and holy communion.

**PE:**

Cricket