Can We Stop The Ice From Melting?

Beaver Class Topic Web   Spring Term 1

English - Our work will be inspired by our class novel, Island by Nicky Singer. We will be writing informatively, writing an island adventure story and trying our hand at poetry.

Science – We will be thinking about classification of animals and plants, adaptation and evolution. We will be thinking about how the changes in the environment can be a danger to animal and plant life. We will be discussing our key question in this context and thinking of ways in which we can make changes in our own lives.

History and Geography - The book is set on a real island off the coast of Canada (Herschel) so we will be finding out about this area in Geography. Our History this term will be about polar exploration and the explorers of the past.

Yeti maths

- Compare and order decimal numbers.
- Add and subtract 4 digit numbers using and efficient method. Recall multiplication and division facts for all times tables.
- Multiply and divide mentally by a multiple of 10, 100
- Step challenge

Maths -In Year 5 we are learning about multiplication and division (including long multiplication) and then building our knowledge of fractions. Now would be a very good time to practise times tables at speed and out of order.

In Year 6 we are moving into the first stage of our preparation for SATs by revising key ideas taught in Years 3 – 6. This does not mean the children will just be looking at old test papers, but that they will get a chance to revisit things they may have forgotten about.

Please do not use old test papers at home as it will make any areas the children need help with harder for me to identify.

In **RE** we are thinking around the question: **Why do Hindus want to be good?**

PSHCE - LIVING LONG, LIVING STRONG!

1. Why do we keep clean?
2. What keeps me healthy/in balance?
3. The concept of well-being. How do I feel and what affects my mood? How can I manage my feelings and develop my resilience?
4. What is a healthy relationship? What is an unhealthy relationship? Online safety
5. What behaviour affects our feelings and how (including appropriate and inappropriate touch)

Trusting in God, together we live learn and grow.

Art and DT

In Art this term we are continuing to develop our use of colour and texture through painting and collage with an ice theme running throughout.

In **PE** we are having rowing lessons from an external coach and learning some gymnastics skills with our Atlas Sports coach. Please ensure your child has a full indoor and outdoor kit in school every day.

We will be visiting Bristol Zoo this term for a workshop about evolution and adaptation and a chance to see some animals that have adapted to extreme conditions.

Our value is PERSEVERENCE – why not try to learn a new skill?

Computing - In computing this half term we are making music digitally using Sonic Pi. This is available to download free at home as well so you can carry on the good work together and create things to share in school.

History National Curriculum objectives
- a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066

Year 5 Maths National Curriculum		Year 6 Maths National Curriculum	
Multiply and divide numbers mentally drawing upon known facts. Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for 2 digit numbers. Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context. Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign.	Compare and order fractions whose denominators are multiples of the same number. Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$]. Add and subtract fractions with the same denominator and denominators that are multiples of the same number.	Read and Write Time Convert 12/24 Hour Times Calculate duration of events Compare and order numbers Round any whole number to nearest power of 10 Negative numbers Count forwards/backwards and sequences Multiples, factors, primes and squares Add and subtract numbers with up to 2 significant figures Add and subtract numbers with more than 4-digits Multiply whole numbers mentally using 12x12 fcts and place value Divide whole numbers mentally using 12x12 fcts and place value Multiply whole numbers and decimals up to 2d.p. by powers of 10 Divide whole numbers and decimals up to 2d.p. by powers of 10 Multiply 4-digit numbers by 1-digit numbers Multiply 4-digit numbers by 2-digit numbers Divide 4-digit numbers by 1-digit numbers Divide 4-digit numbers by 2-digit numbers Recognise and use equivalent fractions Recognise and use equivalencies between simple fractions, decimals and percentages Find simple fractions and percentages	Solve problems with negative numbers Compare and order numbers up to 1 000 000 Compare and order decimal numbers Round numbers to the nearest 10, 100, 1000, 10 000 and 100 000 Round decimal numbers Use place value or adjusting to add numbers mentally Add numbers with more than 4-digits using efficient written or mental methods Add decimal numbers using efficient written or mental methods Use place value or adjusting to subtract numbers mentally Subtract numbers with more than 4-digits using efficient written or mental methods 100 000 Subtract decimal numbers using efficient written or mental methods Multiply by 10, 100 and 1000 Multiply numbers mentally using factors or partitioning Multiply numbers mentally using known facts and place value Multiply numbers using efficient written or mental methods Double decimal and whole numbers Divide by 10, 100 and 1000 Divide numbers mentally using factors or partitioning

Year 5 Writing (not including punctuation and spelling)	Year 6 Writing (not including spellling)
- Use embedded clauses - Use main and subordinate clauses and move their position in sentences - Use commas accurately to demarcate clauses in complex sentences - Use figurative devices such as metaphors and personification	- Add detail and create specific effects to engage the reader through crafting a range of sentence structures and lengths - Use hyphens to avoid ambiguity Punctuate bullet points consistently - Punctuate bullet points consistently - Use an effective range of sentence structures, including sentences with multiple clauses - Use semi colons, colons or dashes to mark boundaries between independent clauses accurately - Use a colon to introduce a list and semi colons within a list - Use figurative devices such as extended metaphors and colloquialisms

Art and Design National Curriculum	Science National Curriculum
Pupils should be taught to develop their techniques, including their control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design. to create sketch books to record their observations and use them to review and revisit ideas to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay] to learn about great artists, architects and designers in history.	- recognise that living things can be grouped in a variety of ways - explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment - recognise that environments can change and that this can sometimes pose dangers to living things. - describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals - give reasons for classifying plants and animals based on specific characteristics. - recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago - recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents - identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.