

Sully School
Spring Term 2020
Curriculum Newsletter Year 6 Topic- Fire and Ice

Language, Literacy and Communication Skills



Oracy

Interview the survivors of the Titanic/Explorer
 Debate about climate change (Natural v Man made)
 Role Play (see expressive arts)

Reading

Whole class reading – Non fiction – Shackleton The Survivor – Christine Butterworth

Fiction – Lost in the Antarctic – Tod Olsen

Biographies of Explorers – Shackleton, Edmund Hillary
 Internet searches on climate change, wild fires, explorers, Titanic etc

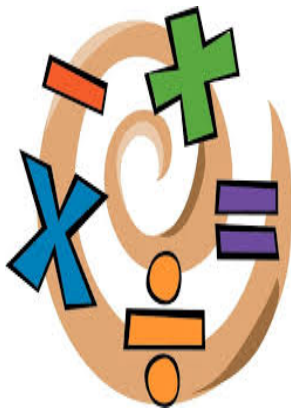
Writing

Write a recount of Shackleton's expedition on the Endurance
 Write a diary entry (ship's log) of a journey or day in the life of...
 Writing a balanced argument about Climate Change
 Write a fictional story about exploration (Extreme climates or conditions)
 Poetry - Write poems of our own choice (Acrostic/Shape/Shanties etc.)

Welsh

Hamdden - Sentence patterns:
 Dw i eisiau/Dw i ddim eisiau/Wyt ti eisiau? Ydw/Nag ydw
 Beth rwyd ti eisiau wneud? Mae Cris eisiau... Maen nhw eisiau...
 Ble mae...yn mynd/Dw i wedi brifo fy
 Reading – Pa Glwb
 Leisure activities – vocabulary
 Dialogues, posters, brochures
 Writing a rhyming poem

Mathematics and Numeracy



Mathematics and Numeracy

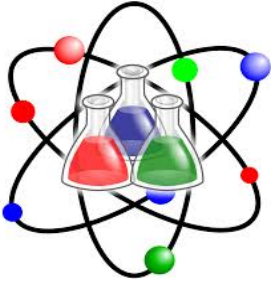
Four rules – Adding and subtracting with decimals, long multiplication/division
 Rounding to 10, 100, 1000. Rounding to decimal places and significant figures
 Adding/Subtracting Fractions, Equivalent Fractions, Simplifying fractions
 Finding Percentages of amounts, calculating percentage increases/decreases
 Converting fractions/Decimals/Percentages
 Ratio and proportion
 Measuring and drawing acute, obtuse and reflex angles, Angles of different 2D shapes
 Properties of quadrilaterals
 Prime numbers, factors, multiples - HCF, LCM.
 Statistics – mean, mode, median, range
 Data – Pie charts, line graphs, conversion graphs, distance and time line graphs
 Coordinates – translation, rotation and reflection across the axes.
 Algebra and express formulae using letters
 Nth Term – number patterns and predicting the next number, 100th term etc

Topic maths
 Temperature of Lava / Magma / Pyroclastic Flows
 Temperatures in the poles and different regions around the World.
 Pie charts to share ice coverage through the ages
 Statistics of volcanic eruptions.

Science and Technology

Science

Research how penguins keep warm in the arctic
 Complete the huddle experiment
 Research the fire triangle and combustion
 Complete the fire and oxygen investigation
 Research how animals in different biomes are adapted to stay warm/cool



Complete the insulation investigation
Research man surviving in extreme weather conditions
Research clothing materials used in keeping warm/cool
Testing our different clothing – which keeps us warmer outside?
Study how gases, liquids and solids form when we heat or cool different products
Reversible and irreversible changes when heating and cooling.

Technology

Take photos, crop pictures, add screen grabs by annotating and voice over
Use their chosen form of multimedia to create an instructional video
Use QR codes to link their created video to the appropriate resource
Stop motion animation of the sinking of the Titanic
Create a computer aided design model of volcanoes & icebergs
Create a scratch animation of a part of Shackleton's journey.
Stop animation of natural disasters.
Creating a creature that is adapted to living in Fire and Ice Environment
Design tin foil boats to test how well they float with weight
Design and create a model of a ship using different materials

Humanities



Humanities


Study climate throughout history and compare them to current temperatures whilst predicting what they will be in the future.
Look at historical fires eg great fire of London, and compare. Create a timeline.
Identify environments around the World which are cold / hot (look at their features)
Look at how the Ice caps have changed (the effect on the environment/organisms)
Mapping work - temperature scale / Mapping regions & their characteristics
Mapping work - temperature of oceans/Mapping wildfires around the World
Choose a geological feature to study and present back on (present back in medium of your choice)
Identify volcanoes around the World and produce statistical information on these places
Learn about the Titanic (Create a presentation / VR tour of Ship Building)
Research Shackleton and observe how the landscape affected his expedition
RE – The Creation
How the world was created according to the bible
Compare to other faiths and note similarities and differences.
Look at the big bang theory
Debate religion v science – How was our world created?

Expressive Arts



Expressive Arts

Create a role play about the sinking of the Titanic
Draw illustrations of the Titanic
Freeze Frames of Shackleton's Journey choice of multimedia they wish to use
Abstract Artwork (Fire and Ice pictures) - Use as their topic front cover
Analyse and select different types of music that may reflect the Great fire of London
Learn songs related to fire and ice eg They built the ship Titanic/London's burning etc. Create rounds in groups or as a whole class.
Create their own simple song about fire and ice. Use a familiar tune and perform.
Create a dance on the Great Fire of London. Use the music to accompany the dance
Create a trailer for a movie of Shackleton's adventure.
Research in pictures of how human activity is affecting climate change.
Design their own poster of images to show how human activity is affecting climate change

	<p>Select an image of their choice which can be printed. Print images using different coloured inks Research artwork and images of a wildfire Design their own image of a wildfire Create a collage/painting of a wild fire using their previous designs</p>
<p>Health and Well Being</p> 	<p><u>Health and Well-Being</u> Internet safety - Treating peers responsibly online/ regulate screen time Daily 10 minute activity – games, relays, mile etc Mental health – How do humans survive extreme conditions, explorers, survivors etc Seal – Our worries and how we can overcome them. Compare them to the worries of explorers, survivors. What are our worries about the future of our world –global warming/wars etc. Look at solutions and how we can play our part. PE Warm up – sending receiving the ball in various ways, teamwork, travel, coordination, adapting quickly to changing skills Creative Skills – Creating games and adapting skills to suit the game. Floor skills – Balance, core and coordination Indoor mini games – Seated volleyball and scorpion handball Games Warm up – Ball skills – individually/pairs/groups, throwing/bouncing/ catching Bat and Ball skills – feeding/striking/catching/controlling Racket skills – forehand/backhand/volley/serve Relays – different movement running/side stepping/backwards with bat and ball skills Mini games – throw catch tennis, champion, double bounce, team tennis, doubles Rallying – in pairs over a net – make a record Tennis Games – individual/doubles or team tennis games</p>