

# MATHS



## Ratio

Add or multiply? Use ratio language and symbol; Ratio and fractions; Scale drawing and scale factors; Similar shapes; Ratio and proportion problems; Recipes

## Algebra

1-step and 2-step function machines; Form expressions; Substitution; Formulae; Form equations; Solve 1-step and 2-step equations; Find pairs of values; Solve problems with two unknowns

## Decimals

Place value within 1; Integers and decimals; Round, add and subtract decimals; Add and subtract decimals Multiply and divide by 10, 100 and 1,000; Multiply and divide decimals by integers and in context



# ENGLISH

Diary of an polar expedition

Poetry: Polar landscapes

Newspaper Report:

Titanic

Persuasive

Writing/Debate:

Impact of tourism in Antarctica



# YEAR 6 TERM 3

## From Titanic to the Tundra

# SCIENCE



## Physics - Light

How we see; Light and straight lines; Shadow formation; Plan, investigate and evaluate - shadow experiment; Refraction; Explore light

## Sustainability - Light Pollution

What is light pollution? How can we reduce light pollution?



# GEOGRAPHY

## From Titanic to the Tundra

How do human and physical processes interact in the Arctic and Antarctica?

- What do we know about polar regions?
- What is the polar landscape like?
- Why do the polar regions experience the largest differences in daylight?
- What natural resources are available in the Arctic?
- How do the climate and landscape affect the lives of people in the Arctic?
- What is the impact of tourism in Antarctica?



# ENRICHMENT

## Enrichment Day

### Thursday 16<sup>th</sup> January Virtual polar expedition

Complete a virtual polar expedition: Map the route, complete a log of weather, wildlife, flora, fauna, people and human and physical features.



# WE ARE READING...

*Tragedy at Sea* by David Long,



# KEY DATES

- **Monday 6<sup>th</sup> January:** Start of Term 3
- **Thursday 16<sup>th</sup> January:** Enrichment day (non-uniform)
- **Friday 31<sup>st</sup> January:** Year 6 Hearing & Vision Catch-up
- **Friday 7<sup>th</sup> February:** Galapagos Islands Class Assembly
- **Week of 10<sup>th</sup> February:** Online Safety Week
- **Thursday 13<sup>th</sup> February:** Last day of term





# YEAR 6 TERM 3

From Titanic to the Tundra

## MUSIC

### Charanga:

#### A New Year Carol

Learning is focused around one song from Benjamin Britten's Friday Afternoons: A New Year Carol. Research Benjamin Britten's life and to listen to many of his other works through links to <http://fridayafternoonsmusic.co.uk/>

## SPANISH

Clothes; using a bilingual dictionary; Describing things: adjectives in Spanish and how they work.



## R.E

### Why is it better to be there in person?

Explore factors that can shape someone's experience of a religious or non-religious event. Understand the significance of places for some Jewish and non-Jewish people. Evaluate the rules around attending significant places. Consider the challenges that many Muslims may face when travelling to Makkah. Understand the significance of attending a non-religious event as a Humanist. Explore the concept of pilgrimage and its relevance in the UK.



## P.S.H.E

### Dreams and Goals

- Personal learning goals, in and out of school
- Success criteria
- Emotions in success
- Making a difference in the world
- Motivation
- Recognising achievements
- Compliments



## ART

### Frozen Kingdom

We will be looking at the work of artists Ted Harrison and Olivia Pilling and creating collage fish. We will be discussing and creating art involving landscapes, bears and the indigenous people through animals



## COMPUTING

### Online Safety

Benefits and risks of devices giving the user/device location and personal information and access to different software; Identify secure sites; Digital footprint; appropriate online behaviour; Understand how what they share impacts on themselves and others long-term; importance of balancing game and screen time with other activities; positive and negative influences of technology.



## D.T

### Digital world: Navigating the world

Design and program a navigation tool to produce a multifunctional device for trekkers using CAD 3D modelling software. Pitch and explain the product to a guest panel!



## P.E

### Gymnastics

Perform sequences, building on previous learning - key shapes, balances, movement and travelling, and skills to work in pairs, small groups and individually; Applying compositional principles fluently and effectively.

### Dance

Movement patterns inspired by a stimuli; Combine movements to create and perform dances with confidence, clarity and rhythm.