



*Be all you can be*  
Hayes School

SHACKLETON'S  
JOURNEY



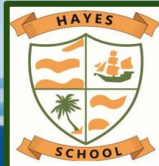
William Grill  
FLYING EYE BOOKS

Year 5 Curriculum Plan: Spring 1 2023

The Big Question:

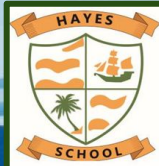
How can we navigate our way through the Antarctic with courage and endurance?

Responsibility Success **Aspiration** Resilience Discovery Friendship



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At Hayes, we strive for our children to push beyond any perceived idea of potential, to be all they can be, regardless of background in order that they leave us as good human beings - happy, kind and responsible. Our curriculum is integral in shaping the children to become independent and life-long learners. At Hayes, we also aim to equip our children with the ability to 'think' in order to make sense of an ever-changing world. Our curriculum has been designed, with thinking at its heart, to achieve our ultimate vision: all children will live fulfilling and happy lives, being all they can be.



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## Learning Experience Context and Outcome

This learning experience follows Ernest Shackleton and his crew on their epic journey to the frozen heart of Antarctica. We will follow them on their courageous encounter of discovery. This adventure will inspire pupils' curiosity to discover more about the beautiful, treacherous and less densely populated landscapes on earth. On learning more about the world around them, the children will unearth the different regions of the northern hemisphere.

## **BIG QUESTION**

How can we navigate our way through the Antarctic with courage and endurance?

### **Geography**

What can we discover about our polar regions on earth?

How can we navigate our way around the polar regions?

How are our different time zones affecting Antarctica?

How can we effectively use a map to discover new places?

What are the key features of Antarctic landscapes?

How are glaciers formed and located?

What is affecting Antarctica's climate?

What impact is tourism having on Antarctica?

### **ART QUESTIONS**

What oil pastel techniques are used by artists and why?

How can I successfully plan out an effective piece of artwork?

How can I use artistic techniques successfully to create a final piece?



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Year 5: Spring 1 2023

### ENGLISH

- Driver Text: Shackleton's Journey by William Grill.
- Supporting texts: Trapped By the Ice: Shackleton's Amazing Antarctic Adventure.
- Reading: Whole class reading will take place each week and include comprehension skills such as fluency, retrieval, vocabulary and inference. These will be based around a variety of texts.
- Writing Opportunities: We will be reading and analysing the story, 'Shackleton's Journey' written by William Grill. Based on this book, we will research the original crew and write a letter of application in character. We will also be focusing on our persuasive writing when encouraging Shackleton to either stay and complete his crossing or to leave the treacherous landscape of Antarctica. Finally, we will use Shackleton's Journey as a template to write our own adventure story.
- Spelling focus: adverbs of time,
- Handwriting: To be joined, legible and cursive.

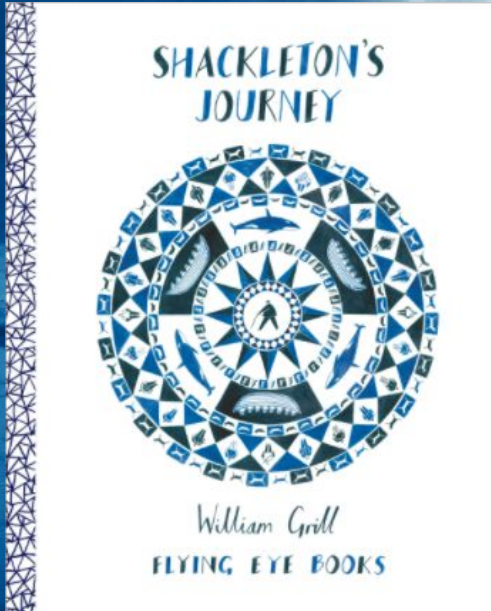
### MATHS

- We will begin the term exploring multiplication and division.
- We will be learning to multiply 2, 3 and 4-digit numbers by 1-digit and 2, 3, and 4-digit numbers by 2-digits. We will be using formal long multiplication to do this.
- For division, we will be learning to use the formal short division method including finding remainders.
- We will then move onto fractions, where we will be finding equivalent fractions, ordering and comparing fractions as well as adding and subtracting fractions.



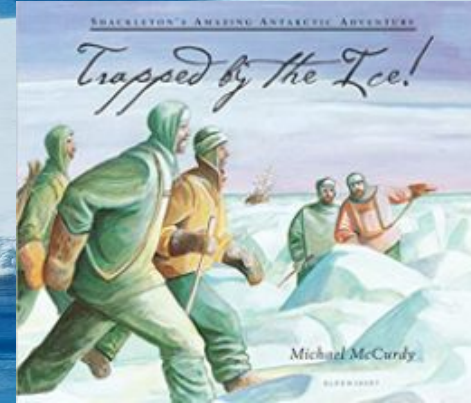
# English - Texts

## Supporting Texts:



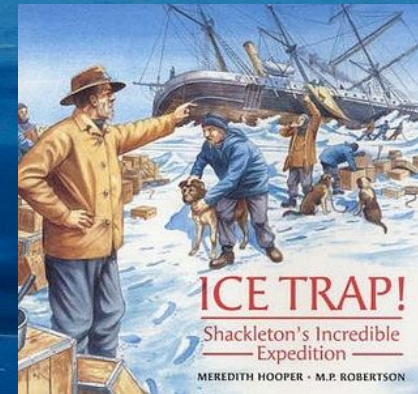
### Main Text: Shackleton's Journey By William Grill

Stranded in a cold, white world, and thousands of miles from home, the men of the expedition set out on a desperate trek across the ice in search of rescue. Shackleton's Journey is the true story.



### Trapped By the Ice: Shackleton's Amazing Antarctic Adventure. By Michael McCurdy

### ICE TRAP! Shackleton's Incredible Expedition by Meredith Hooper



# English - Key vocabulary

## Vocab Dozen

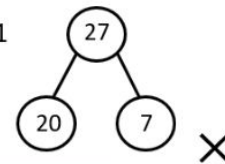
<b>Crevasse</b>	A deep crack in a glacier
<b>Floe</b>	A sheet of floating ice
<b>Glacier</b>	A river or large mass of ice formed by packed down snow
<b>Hazardous</b>	Extremely dangerous
<b>Latitude</b>	The distance north or south of the earth's equator
<b>Longitude</b>	The distance east or west of the the Greenwich Meridian line
<b>Pack Ice</b>	Large piece of floating ice waged together
<b>Uncharted</b>	Not shown on any map
<b>Stowaway</b>	A person who hides on board a ship so that he/she can travel for free
<b>Expedition</b>	A journey made in order to do something
<b>Endurance</b>	Suffering or putting up with something unpleasant
<b>Antarctica</b>	The continent surrounding the South Pole: almost entirely covered by an ice sheet

# Maths - models and images

## Multiplication:

- We will also be learning to multiply including 2, 3 and 4-digit numbers by 1-digit and 2, 3, and 4-digit numbers by 2-digits.

$$3 \times 27 = 81$$



Tens	Ones

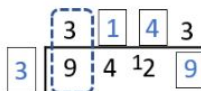
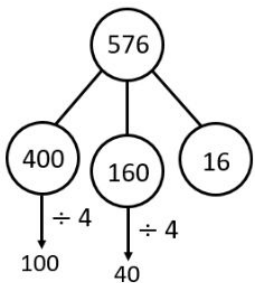
$$(7 \times 3)$$

$$(20 \times 3)$$

T	O
2	7
	3
2	1
6	0
8	1

$$576 \div 4 =$$

H	T	O



Thousands	Hundreds	Tens	Ones

## Division:

- For division, we will be learning to use the formal short division method including finding remainders.





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Year 5: Spring 1 2023

### SCIENCE

This half term, the children will continue to learn about life cycles. They will explore life cycles of commonly known mammals, amphibians, reptiles and birds. They will also look specifically at the life cycles of animals found in Antarctica. Following this topic, the children will begin to learn about materials. They will explore language linked to materials and conduct an insulating experiment with the aim of understanding which materials keep ice cool for the longest period of time.

### COMPUTING

This half term, the children will learn how to use spreadsheets. They will learn to insert information, convert measures. This focus will link with our maths lessons as the children will use a spreadsheet to work out the area and perimeter of rectangles and use these calculations to solve real-life problems. The children will create simple formulae that use different variables.



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**Driver Subject: Geography**

As part of the geography curriculum, we will be taking an in-depth look at Antarctica, studying its climate, terrain and geographical location. The children will be plotting Shackleton's trip across Antarctica using their mapping and co-ordinate skills, including the use of the 8 points of a compass, 4- and 6-figure grid references, symbols and keys. We will also be exploring climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle linked to Antarctica

**Driver Subject: Art**

In art, the children will be taught to develop their techniques in painting and drawing. They will use an array of different materials when painting and drawing such as acrylics, charcoal, oil pastels and watercolours with creativity, experimentation and an increasing awareness of the craft.

Children will be taught to paint and sketch and to then review and revisit their ideas to improve their mastery of these art and design techniques.

The children will learn about the great artists of the world who are recognised for their drawings and paintings.

The children will spend a considerable amount of time creating a final painting or drawing linked to our learning experience and then exhibit it for others to critique and admire.

**PE: OAA**

Pupils develop teamwork skills through completion of a number of challenges. Pupils work individually, collaboratively in pairs and groups to solve problems. They are encouraged to be inclusive of others, share ideas to create strategies and plans to produce the best solution to a challenge. Pupils are also given the opportunity to lead groups and utilise negotiation skills. Pupils learn to orientate and navigate using a map.



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### R.E

The children will be exploring the question: Why do Christians believe that Jesus is the Messiah? They will be able to explain the place of Incarnation and Messiah within the 'big story' of the Bible, identify Gospel and prophecy texts, using technical terms and show how Christians put their beliefs about Jesus' Incarnation into practice in different ways in celebrating Christmas.

### PSHE/SRE

The children will reflect on respecting the boundaries and beliefs of other people. They will discuss how to listen to other people's opinions respectfully even if they do not agree with them. Year 5 will also be learning about the importance of the NHS. They will investigate different jobs within the NHS as well as how they help us when we are unwell.

### Music

How Does Music Improve Our World? The children will take them on a musical journey from South African freedom songs to Do you ever wonder? The question will evolve as they grow, while encouraging them to be responsible and kind citizens of the world.

### MfL (French)

This half term the children will learning about how to discuss the weather in French. They will be able to ask what the weather's like today as well as answering with a variety of different weathers. The children will create a French weather map and present the weather in different regions of France.