



*Be all you can be*  
Hayes School

SHACKLETON'S  
JOURNEY



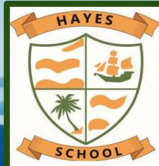
William Grill  
FLYING EYE BOOKS

Year 5 Curriculum Plan: Spring 1 2024

# The Big Question:

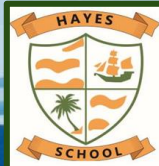
How can we navigate our way through the Antarctic with courage and endurance?

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?

What are the key features of Antarctic landscapes?

What are the differences between the geographical features of the UK and the polar regions?

How are glaciers formed and located?

What is affecting Antarctica's climate?

How has Antarctica been impacted by tourism?

### **ART QUESTIONS**

What mark making techniques are used by artists and why?

How can we observe artwork and suggest improvement?

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 2024

### ENGLISH

- Driver Text: Shackleton's Journey by William Grill.
- Supporting texts: ICE TRAP! Shackleton's Incredible Expedition by Meredith Hooper. Trapped By the Ice: Shackleton's Amazing Antarctic Adventure. By Michael McCurdy, poetry and newspaper clippings.
- 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. Inspired by this book, we will research the original crew and write a letter of application in character. Later on in the term, we will be looking at the features of a newspaper and writing our own article inspired by the events of the Endurance.
- Spelling focus: -cial, -tial and hyphens.
- Handwriting: To be joined, legible and cursive.

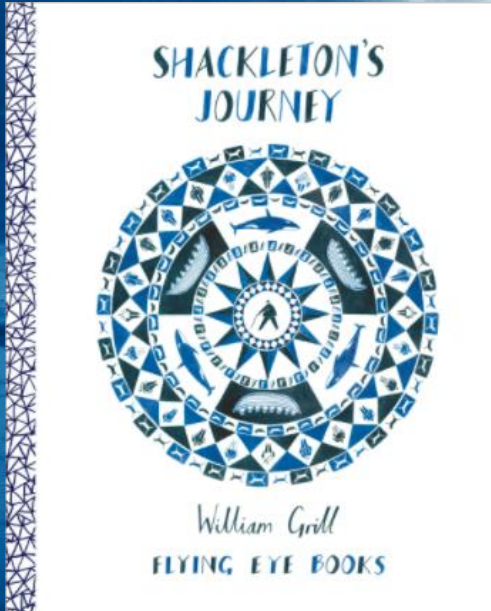
### MATHS

- The children will be learning to measure and calculate the perimeter on a grid, rectangles and rectilinear shapes.
- We will calculating the area of rectangles, compound shapes and irregular shapes.
- 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.
- For division, we will be learning to use the formal short division method including finding remainders.



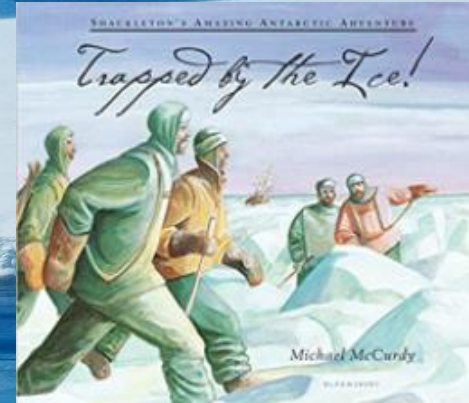
# English - Texts

## Supporting Texts:



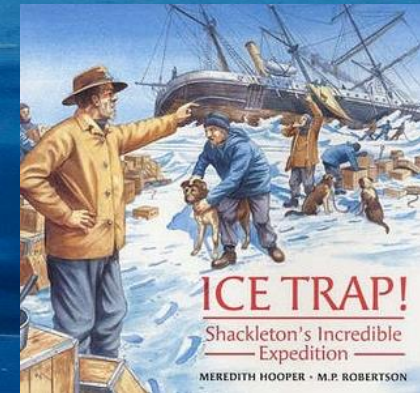
### Main Text: Shackleton's Journey By William Grill

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.

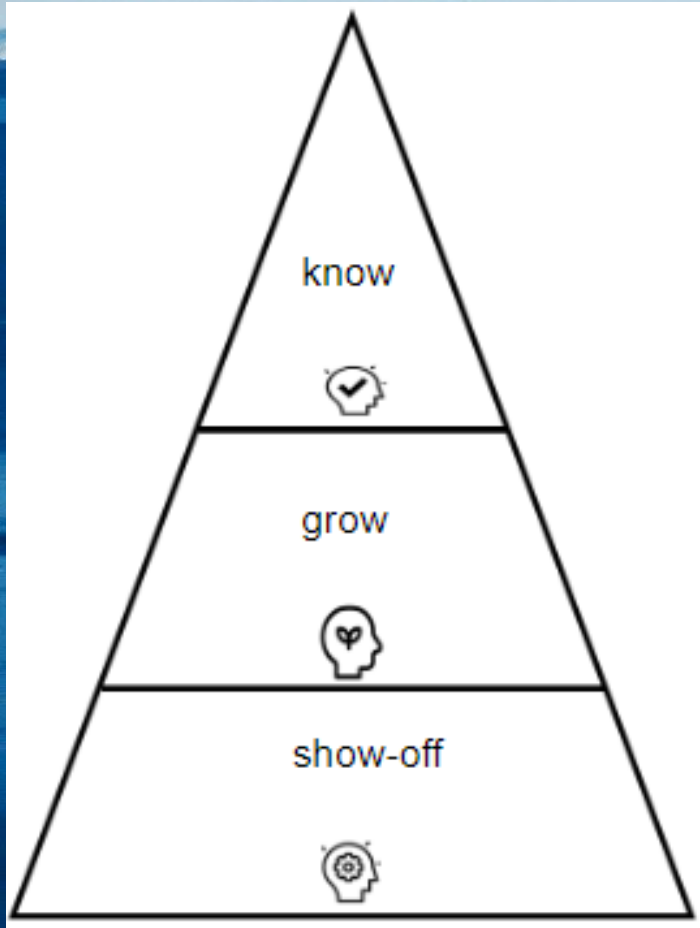


### Trapped By the Ice: Shackleton's Amazing Antarctic Adventure. By Michael McCurdy

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



# Key vocabulary



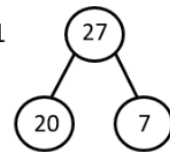
- hemisphere
- equator
- polar
- climate
- temperature
- tourism
- mountain
- biomes
- altitude
- natural disasters

# 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
10 10	
10 10	
10 10	



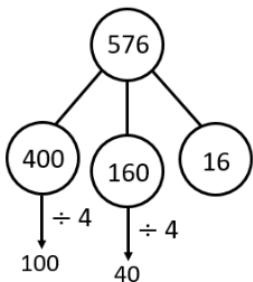
T	O
2	7
	3
2	1
6	0
8	1

(7 × 3)

(20 × 3)

$$576 \div 4 =$$

H	T	O
100	10 10 10 10	1 1 1 1 1 1
100	10 10 10 10	1 1 1 1 1 1
100	10 10 10 10	1 1 1 1 1 1



3 1 4 3  
3 9 4 12 9

Thousands	Hundreds	Tens	Ones
1000 1000	100 100	10 10	1 1
1000 1000	100 100	10 10	1 1
1000 1000		10 10	1 1
1000 1000		10 10	1 1
		10 10	1

## Division:

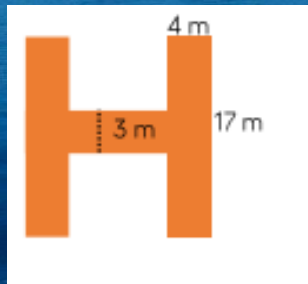
- For division, we will be learning to use the formal short division method including finding remainders.



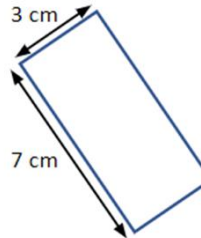
# Maths - models and images

## Area

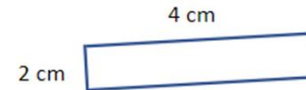
- We will calculating the area of rectangles, compound shapes and irregular shapes by counting squares and using formulas.



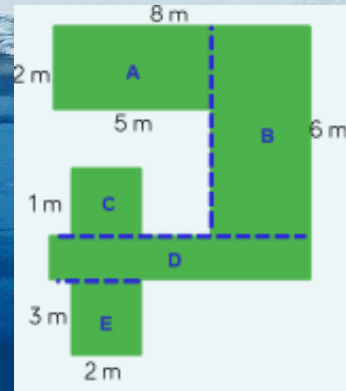
Shape	Description	Calculation
	There are <u>3</u> squares in each row.  There are <u>5</u> rows altogether.  <u>5</u> rows of <u>3</u> squares equals <u>15</u> squares.	$\boxed{3} \times \boxed{5} = \boxed{15}$ or $\boxed{5} \times \boxed{3} = \boxed{15}$



$$3 \times 7 = 21 \text{ cm}^2$$



$$4 \times 2 = 8 \text{ cm}^2$$





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Year 5: Spring 1 2024

## SCIENCE

This half term, the children will be finishing their learning on Earth and Space. We will be studying the scientist Mae Jamison and learning about her contribution to science. We will also be learning to work scientifically when starting our new unit in science, properties and materials.

## COMPUTING

This half term, the children will be learning to plan a game, becoming game creators. They will learn to design and create a game environment, build in a quest and decide which functions they will use to improve their games. Once they have finished their game, they will share it with their peers and evaluate how successful they were and what improvements they would like to make.

### PE - Net Games

This half term, we will be focusing on the following skills,

- How to score a game using the correct scoring system.
- Analyse an opponent and plan ways in which to take advantage/outwit them.
- Perform the forehand stroke with accuracy and consistency, using the correct technique.
- Show self-discipline, develop confidence and self-esteem, reflect on personal performance.



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Year 5: Spring 1 2024

**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 tracking Shackleton's trip across Antarctica using atlases and Google Earth. 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.



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## Year 5: Spring 1 2024

### 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 their own dreams and goals for their future. They will spend time reflecting on professions and what they hope for the future. They will also spend time reflecting on the hope and dreams of children from other countries and what their life opportunities offer.

### Music

**Improvising:** the children will experiment with using a wider range of dynamics from very loud to very quiet. **Composing:** the children will learn how to use triads (3 note chords) in their own compositions. **Performing:** the children will continue to develop their technique in playing marimbas and steel pans.

The children will also have a weekly Music assembly, where they will listen to - and sing - a variety of different musical genres.

### MfL (French)

This half term the children will learn words and phrases in French to present themselves. This will include being able to count to 20, say their name and age, say hello and goodbye and then ask how somebody is feeling and answer how they are feeling. They will also be able to tell you where they live and tell you if they are French or English. This unit will introduce the concept of gender and agreement.