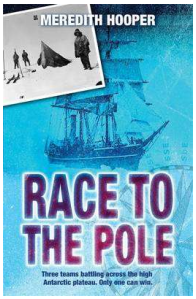


SUMMERLEA COMMUNITY PRIMARY SCHOOL

Year 6

Guide to

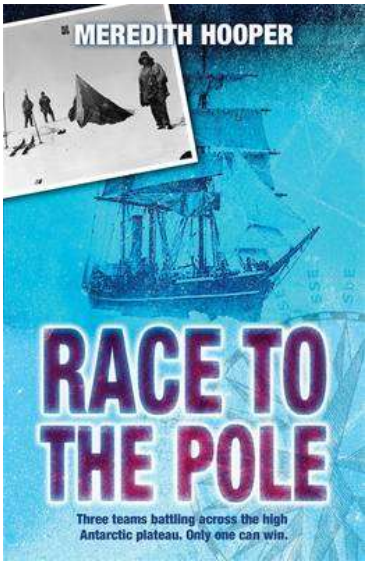
Spring Term 1

2021

Our curriculum at Summerlea is creative and designed to forge links between the different areas of learning. Each topic we study is led by a big question to get us thinking. We have listed the **main** curriculum areas that will be addressed through each question and have given a brief outline of what we will be learning.

This term our driving question is…

Survivors and Explorers: What can the Wild Teach you?



The key drivers for this topic are

Geography and Writing

Geography:

During this half term, we will be immersing ourselves in the incredible stories of the brave polar explorers, Shackleton, Scott and Amundsen. These three heroic figures were each determined to be the first to reach the South Pole, and endured unbelievable hardships in a fight to survive in the most extreme conditions of Antarctica.

The children will be learning how to read longitude and latitude on maps to plot grid references. They will be using a range of maps to plan their own polar expedition, plotting distances and landmarks on their routes. We will also be learning how to use compasses to orientate maps, and combining all of these skills to compete in orienteering challenges.

Writing:

In contrast to our studies around the first explorers of Antarctica, we will also be investigating modern-day polar explorers. Our first piece of writing in 2021 will be about a brave solo explorer called Ben Saunders. We will be creating our own magazine articles, going into detail about how to survive a solo polar expedition!

Later this half term, we will be studying the moving diary entries of Captain Scott, as he and his team struggled hopelessly through unthinkable conditions. We will then be composing our own diary entries using powerful emotive language features and vocabulary.

Mathematics:

Our main objectives are to:

- Identify the value of each digit in numbers given to 3 decimal places and multiply numbers by 10, 100 and 1,000 giving answers up to 3 decimal places.

- Multiply one-digit numbers with up to 2 decimal places by whole numbers.

- Use written division methods in cases where the answer has up to 2 decimal places.

- Solve problems which require answers to be rounded to specified degrees of accuracy.

- Solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360] and the use of percentages for comparison.

Year Group Objectives

On the following pages are the key year group objectives for reading, writing and maths that we use in school to assess the children. For a child to achieve age related expectations they need to have met all of these objectives by the end of the year.

On the school website you can also view a Year 6 English and Maths guide which has been published by Twinkl. This useful document can be found in Our School > Curriculum and Assessment > Year Group Objectives and gives guidance on the key skills covered throughout the year.

Reading:

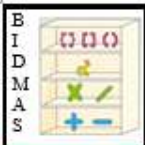
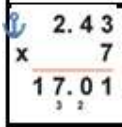
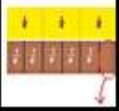
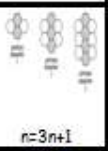
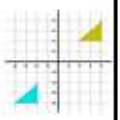
	Read age-appropriate books with confidence and fluency (including whole novels).
	Read aloud with intonation that shows understanding.
	Work out the meaning of words from the context.
	Explain and discuss their understanding of what they have read, drawing inferences and justifying these with evidence.
	Predict what might happen from details stated and implied.

	Retrieve information from non-fiction.
	Summarise main ideas, identifying key details and using quotations for illustration.
	Evaluate how authors use language, including figurative language, considering the impact on the reader.
	Make comparisons within and across books.

Writing:

Objective
write effectively for a range of purposes and audiences, selecting language that shows good awareness of the reader (e.g. the use of the first person in a diary; direct address in instructions and persuasive writing)
in narratives, describe settings, characters and atmosphere
integrate dialogue in narratives to convey character and advance the action
select vocabulary and grammatical structures that reflect what the writing requires, doing this mostly appropriately (e.g. using contracted forms in dialogues in narrative; using passive verbs to affect how information is presented; using modal verbs to suggest degrees of possibility)
use a range of devices to build cohesion (e.g. conjunctions, adverbials of time and place, pronouns, synonyms) within and across paragraphs
use verb tenses consistently and correctly throughout their writing
use the range of punctuation taught at key stage 2 mostly correctly^ (e.g. inverted commas and other punctuation to indicate direct speech)
spell correctly most words from the year 5 / year 6 spelling list,* and use a dictionary to check the spelling of uncommon or more ambitious vocabulary
maintain legibility in joined handwriting when writing at speed.

Maths:

	Understand the order that a calculation needs to be carried out, including using brackets.		Match fractions to equivalent decimals and percentages in different contexts.
	Round any whole number to a required degree of accuracy, e.g. nearest hundred, thousand, and use this to help solve problems.		Solve problems involving the calculation of percentages (eg. 15% of 360).
	Use negative numbers in context and calculate intervals across zero.		Solve ratio and proportion problems using fractions.
	Solve addition and subtraction multi-step problems in context.		Compare and order a set of fractions with different denominators.
	Multiply one-digit numbers with up to 2 dp by whole numbers.		Work out equivalent fractions and use this knowledge to add and subtract fractions.
	Divide up to four digits by a 1 or 2-digit number using a formal written method of division. Interpret answer using a remainder, fraction or decimal (up to 2 dp).		Use, read, write and convert between standard units, including using decimal notation up to 3 decimal places.
	Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.		Use simple formulae to solve basic algebra calculations.
	Multiply multi-digit numbers by a 2 digit number using the formal written method.		Interpret and construct pie charts and line graphs and use these to solve problems.
	Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.		Calculate and interpret the mean as an average.
	Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.		Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.