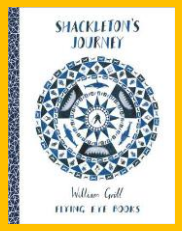
Newchurch Community Primary School - Share in our learning…Year 5 Spring A

English:

Reading:

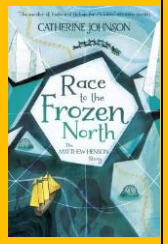
Shackleton's Journey – William Grill

The inspirational true tale of Ernest Shackleton's Antarctic journey and the bravery, sacrifice and heroism linked to it will be used to craft our own diary accounts.

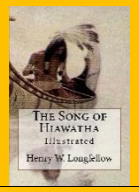


Race to the Frozen North - Catherine Johnson

When orphan Matthew Henson ran away from his violent stepmother to find a new life in the big city, no one could have predicted that he would become the first man to reach the North Pole. A little luck and a lot of hard work led to a life of adventure on the high seas and in the Arctic, but back home in America his achievements were ignored due to the colour of his skin.



Poetry:



During the first week of the spring, the children will be looking at the narrative poetry form. They will focus on the story of Hiawatha and the Native American connection to the environment. The children will investigate syllabic rhythm in poetry and continue to work on their own ability to perform.

Writing:

We will be using our class texts to focus on the following targets in our grammar and writing:

- Distinguish between statements of fact and opinion.
- Use further prefixes and suffixes and understand the guidance for adding them.
- Identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own.
- Using passive verbs to affect the presentation of information in a sentence.
- Using semicolons, colons or dashes to mark boundaries between independent clauses.
- Using the perfect form of verbs to mark relationships of time and cause

Mathematics:

We will be using our maths mastery techniques to learn all about the following areas:

Year Five		Spring One
Week	Unit	Expectations
1	Place Value	Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 Have a concept of numbers well beyond 1,000,000 and their relative association to distances to planets; historical data and geographical aspects
2	Addition and subtraction	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) Add and subtract numbers mentally with increasingly large numbers Use rounding to check answers to estimate, make calculations and determine, in the context of a problem, levels of accuracy Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Introduce algebraic reasoning, for example, $2x - 3 = 5$
3	Multiplication and Division	Solve problems involving addition, subtraction, multiplication and division and a combination of these Understand the meaning of the equals sign in different contexts Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates
4	Fractions and decimals	Read, write, order and compare numbers with up to 3 decimal places Solve problems involving number up to 3 decimal places Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction Solve problems which require knowing percentage and decimal equivalents of 1/2 , 1/4 , 1/5, 2/5 , 4/5 and those fractions with a denominator of a multiple of 10 or 25
5	Measurement	Estimate volume [for example, using 1 cm^3 blocks to build cuboids (including cubes)] and capacity [for example, using water] Solve problems involving converting between units of time Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling
6	Position and Direction	Describe position after reflection or translation Use correct vocabulary Understand that shape does not change after transformation

We will be looking to master a wide range of targets linked to these areas, such as:

Useful websites:

https://www.bbc.co.uk/bitesize/topics/zvmxsbk

Science:

We will be looking at the world around us and how materials behave and the way we use them. Everything from magnetism to dissolving will be covered this half term and we will be investigating a whole range of complex vocabulary, from solutes and saturation to reversible and irreversible.

Our lessons will help us understand the properties of the materials in our everyday life.

Useful websites

https://www.stem.org.uk/resources/community/collection/12742/year-5-properties-materials

https://www.bbc.co.uk/bitesize/topics/z4339j6/articles/zx8hhv4

https://www.bbc.co.uk/bitesize/topics/zjty4wx/articles/zpbdpbk

Places to visit:

https://www.scienceandindustrymuseum.org.uk/

Physical Education:

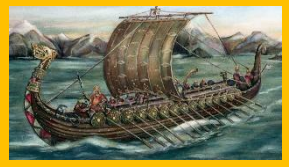
We will be focusing on our gymnastics skills this half term. This will include developing our balance and ability to work with a range of equipment.

Our swimming lessons begin this term, where we will visit the local swimming baths to work on front crawl.

Geography:

We will be considering the importance of the oceans for life on earth. This will include key features of the oceans and how mankind has had a negative effect on this resource.

History:



We will be developing our knowledge of the Saxons by looking at one of their main rivals this half term: the Vikings. We will look at their lives, achievements and impact on the world.

Useful websites:

https://www.kids-world-travel-guide.com/north-america-facts.html

Art:

Our next unit is **printing** and will focus on the work of pop artist Andy Warhol. Allowing us to to link back to our drawing studies, the unit will see us using engraving and gouging tools to craft our own print blocks. This will allow us to look at mass production in art in greater detail.

Useful websites:

https://www.tate.org.uk/kids/explore/who-is/who-andy-warhol

https://www.youtube.com/watch?v=DhEyoDCTSDQ

Religious Education:

Hinduism

In RE, we will be looking at how we can learn about and from religious beliefs and how they guide others and can ultimately support our own journey. We will be investigating scripture and narrative in Hinduism and how they offer guidance to believers.

Useful websites:

https://kids.britannica.com/kids/article/Hinduism/353249

Music:

Looping and remixing

Dance music may not be to everyone's tastes but the skills of looping key elements within tracks is a universal part of music which is essential to this art form. We will be looking at how we can use our composition skills to mix, loop and edit our own tracks in GarageBand and live.

Useful websites:

https://kids.kiddle.co/Remixing

PSHE:

Renewable energy

Our PSHE studies will take us through the ways in which we impact on our planet and the ways we can make positive changes.

Useful websites:

https://www.bbc.co.uk/bitesize/topics/zp22pv4/articles/ztxwqty

Languages:

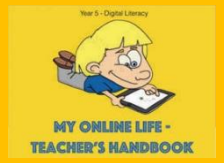
Weather

Children will learn how to describe the weather in Spanish with an emphasis on map work and oral presentation skills. There is also ample opportunity for integrating ICT.

Useful websites:

https://www.spanish.academy/blog/spanish-weather-words-for-your-preschooler/

Computing:



Digital safety

We will be looking and staying safe online this half term and how we can use the technology around us maturely. We will look at how we use our data and the risk of sharing information. This will include the range of modern platforms including gaming, social media and mobile networks.

Useful websites:

https://school-learningzone.co.uk/key_stage_two/ks2_computing/ks2_e_safety_for_kids.html