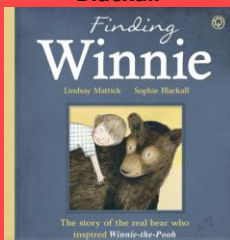


# Newchurch Community Primary School - Share in our learning...Year 6 Autumn B

## English:

### Reading:

**Finding Winnie – Lindsay Mattick & Sophie Blackall**



Our class text is Finding Winnie. The beautifully written story (based on real life events) details the relationship between a Canadian soldier and a wild bear whom he rescues from a bear trapper. The story ends with quite a remarkable twist which always leaves the reader surprised!

**Flamingo Boy – Michael Morpurgo**



We continue with our story of three young poverty-stricken who believe their lives will change for the better when they find a wallet full of money. Little do they know they will end up embroiled in political corruption with monumental repercussions.

## Writing: Biography

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

- Use relative clauses beginning with who, which, where, when, whose, that or an omitted relative pronoun
- Use a wider range of devices to build cohesion e.g. conjunctions, synonyms, adverbials, punctuation
- Use a colon to introduce a list and use semi-colons within lists
- Use hyphens to avoid ambiguity

## Mathematics:

Along with our arithmetic and calculation skills we will be looking at the following areas of the curriculum:

Year Six		Autumn Two
Week	Unit	Expectations
1	Place Value	Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit Use negative numbers in context, and calculate intervals across zero Round any whole number to a required degree of accuracy and solve problems which require answers to be rounded to a specific degree of accuracy Use $=$ , $\neq$ , $<$ , $>$ , $\leq$ , $\geq$ correctly
2	Four operations	Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context Estimate and check answers
3	Four operations	Perform mental calculations, including with mixed operations and large numbers Identify common factors, common multiples and prime numbers Use their knowledge of the order of operations to carry out calculations involving the four operations (BODMAS)
4	Fractions	Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $4 \frac{1}{2} \times 2 \frac{1}{2} = 8 \frac{1}{2}$ ] Divide proper fractions by whole numbers [for example, $3 \frac{1}{2} \div 2 = 6 \frac{1}{4}$ ] Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$ ]
5	Algebra	Use simple formulae Generate and describe linear number sequences Express missing number problems algebraically Find pairs of numbers that satisfy an equation with two unknowns Enumerate possibilities of combinations of two variables. Recognise arithmetic progressions and find nth term
6	Measurement	Recognise that shapes with the same areas can have different perimeters and vice versa Recognise when it is possible to use formulae for area and volume of shapes Calculate the area of parallelograms and triangles Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm <sup>3</sup> ) and cubic metres (m <sup>3</sup> ), and extending to other units [for example, mm <sup>3</sup> and km <sup>3</sup> ]. Convert between units using decimals Solve problems with length, mass, volume, and time Convert miles to kilometres
7	Properties of Shape	Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. Draw 2D shapes with given dimensions Build 3D shapes and nets
8	Statistics	Interpret and construct pie charts and line graphs and use these to solve problems Calculate and interpret the mean as an average Calculate costs and time involved to visit a destination in another part of the world relating to on-going learning in history or geography Collect own data on personal project and present information in formats of their choosing, charts, graphs and tables and answer specific questions related to their research

### Useful websites:

[Maths.co.uk](https://www.maths.co.uk)

## Science:



Our scientific studies will focus on **Electricity**. We will build on our prior knowledge from learning about electricity in Year 4 by building more complex circuits with a greater range of components, identifying, and fixing faults in a circuit, understanding and using symbols to represent components and associating the effectiveness of components with the number of voltage and cells within the circuit.

### Useful websites

<https://www.bbc.co.uk/bitesize/topics/zbssgk7>  
<https://www.stem.org.uk/resources/communit/collection/12741/year-6-light>

Places to visit: Imagine That, Liverpool



## Poetry - Blitz - Mary Desiree Anderson



Linked closely to the writing text 'Finding Winnie', this poem will help to immerse the children in the themes of war and conflict. The aim of the unit is for the children to write a narrative poem exploring the experience of the Blitz from the viewpoint of a child.

<https://www.amathsdictionaryforkids.com/>

### Geography:

Geographical skills and fieldwork will be combined with developing the children's knowledge and understanding of the local environment. In order to do this, the children will:



- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world
- use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.

### Useful websites:

<https://kids.kiddle.co/Warrington>

### History:



Historical inquiry will be at the heart of our learning as we explore some of the major events of World War II and begin to consider how Warrington and its residents were affected by the events of the War. With the town being such a strategic town due to being home to Burtonwood Airbase, its industrial output and proximity to Manchester and Liverpool, it will be a fascinating insight for the children to understand more about how we played our part in overcoming the axis powers.

### Useful websites:

<http://www.rafburtonwoodheritagecentre.co.uk/>  
<https://www.bbc.co.uk/history/ww2peopleswar/stories/19/a4647819.shtml>

### Physical Education:



The children will be developing their knowledge of teamwork and technique through a range of invasion-based games.

Along with this, the children will build on their netball skills to include further dribbling, passing and defensive techniques in basketball.



### Design & Technology:



The children have an exciting CAD project on their hands as they take on a challenge from a 'client' who requires a multipurpose outdoor education device that helps to streamline the need for multiple pieces of equipment in their rucksack. The children will create a design brief before using the program 'Tinkercad' and 'makecode.microbit' to help produce a 3D concept of their prototype.

#### Useful websites:

<https://www.theschoolrun.com/key-stage-2-design-and-technology-what-children-learn>

### Religious Education:



#### Christianity

In RE, we will be looking at what journeys life can take us on and linking them to some inspirational stories of journey from the bible. Commitment will also be an important component of this unit of RE

#### Useful websites:

<https://www.bbc.co.uk/bitesize/guides/zdcbcj6/revision/5>

### Music:



#### Songs of celebration

Year 6 children will be focusing on World War II in this unit and learning some of the most famous songs which were sung by both the soldiers on the front line, as well as loved ones back home to keep their spirits high. In this unit, the children will develop pitch and control as well as learn how to identify pitches and notate a melody using pitches. To enrich this, the children will also continue their gospel singing lessons with our partners from Accent Music.

#### Useful websites:

<https://www.youtube.com/watch?v=4b6DgeTf1BE>

## PSHE:



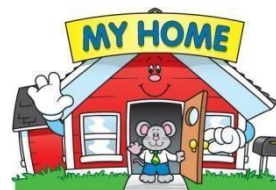
### Respect

Expressing opinions and respecting other points of view, including discussing topical issues will be essential in this unit of the PSHE curriculum. We will be linking in these key components with anti-bullying week.

#### Useful websites:

<https://anti-bullyingalliance.org.uk/anti-bullying-week>

## Languages:



### Where I live, where you live

In this area of learning, the children will be able to articulate where they live, who with and briefly describing rooms and their local area. Through verbal communication, the children will be ask their peers about their hometown and respond accordingly.

#### Useful websites:

<https://www.youtube.com/watch?v=OZBiiiMhIGU>

<http://www.duolingo.com>

## Computing:



### Digital Content

The children will be inspired by an enjoyable Kahoot quiz and from this, they will be identifying ways to safely source, gather and store digital content to produce a quiz of their own to share with their peers.

#### Useful websites:

<https://kahoot.com>

<https://www.bbc.co.uk/bitesize/clips/zw8mtfr>