

Etal Class Overview – Autumn 2 2025

Subject	What we will learn this half term	
English	Our class book this half term is The Polar Bear Explorers' Club by Alex Bell. We will use this book, alongside a range of fiction and non-fiction texts, to continue to develop our vocabulary and skills in inference, prediction, clarification and evaluation. This half term we will produce a range of writing including: • Diary entry- based on the book Scott of The Antarctic by E & J Dowdeswell / Angela Seddon • Persuasive letter to Mr Scrooge	
Maths	<u>Year 5</u> Multiplication and Division • Multiples • Common multiples • Factors • Common factors • Prime numbers • Square numbers • Cube numbers • Multiply by 10, 100, 1,000 Fractions • Find fractions equivalent to unit fraction • Find fractions equivalent to non-unit fractions • Recognise equivalent fractions • Convert improper fractions to mixed numbers	<u>Year 6</u> Multiplication strategies for larger numbers and long multiplication • Solve problems involving multiplications • Short division • Division using factors • Introduction to long division • Long division with remainders • Solve problems with division • Solve multistep problems • Order of operations • Mental calculations and estimation • Reason from known facts Fractions • Equivalent fractions and simplifying

	• Convert mixed numbers to improper fractions • Compare fractions less than 1 • Order fraction less than 1 • Compare and order fractions greater than 1 • Add and subtract fractions with the same denominator • Add fraction within and greater than 1 • Add to a mixed number • Add two mixed numbers • Subtract fractions • Subtract from a mixed number With and without breaking the whole Subtract two mixed numbers	• Equivalent fractions on a number line • Compare and order (denominator) • Compare and order (numerator) • Add and subtract simple fractions • Add and subtract any two fractions • Add mixed numbers • Subtract mixed numbers • Multistep problems
Science	Circulatory system • Identify and name the main parts of the circulatory system • Describe the functions of the heart, blood vessels and blood • Recognise the impact of diet, exercise, drugs and lifestyle on the way the body functions • Describe the ways in which nutrients and water are transported within animals, including humans	
Humanities (History & Geography)	The North and the South Pole • Know that the polar regions extend from the North pole to the Arctic Circle at 66.5° north latitude and from the South Pole to the Antarctic Circle at 66.5° south latitude. • Know that Antarctica is a continent because there is a land mass below the ice; the Arctic is <u>not</u> a continent as there is no land beneath the ice; however, the Arctic circle reaches out to include the northern part of other land masses	

	● Know that there are deserts at the North Pole and the South Pole called the Arctic Desert and Antarctic Desert respectively; this is because rainfall is exceptionally limited in both of these places; the Antarctic Desert is the largest Desert on Earth ● Use digital maps to evaluate the size of Antarctica relative to other continents ● Know that the polar regions are dominated by ice-sheet and tundra regions ● Know that the tundra is characterized by permafrost, a layer of soil that is frozen all year round ● Know that animals and plants are adapted to their environment ● Know that Norway, Sweden, Finland, Russia, the United States (Alaska), Canada, and Denmark (Greenland) are the countries located in the Arctic Circle and identify these on a map. ● Know that the sea ice of the Arctic Ocean changes in the total area it covers through the year and that it is slowly diminishing over time as one of the major effects of climate change; know that this change, if it continues, will cause sea levels to rise threatening lives and major cities around the world
Art & D&T	Textiles – stuffed toys ● Design a stuffed toy, considering the main component shapes of their toy. ● Create an appropriate template for their stuffed toy. ● Join two pieces of fabric using a blanket stitch. ● Neatly cut out their fabric. ● Use appliqué or decorative stitching to decorate the front of their stuffed toy. ● Use blanket stitch to assemble their stuffed toy, repairing when needed. ● Identify what worked well and areas for improvement.
RE	What sort of a King was Jesus? Make sense of belief: ● Explain connections between biblical texts and the concept of the Kingdom of God. ● Consider different possible meanings for the biblical texts studied, showing awareness of different interpretations Understand the impact: ● Make clear connections between belief in the Kingdom of God and how Christians put their beliefs into practice.

	• Show how Christians put their beliefs into practice in different ways Make connections: • Relate the Christian 'Kingdom of God' model (i.e. loving others, serving the needy) to issues, problems and opportunities in the world today. • Articulate their own responses to the idea of the importance of love and service in the world today
PSHE	Safe relationships (recognising and managing pressure; consent in different situations) • to compare the features of a healthy and unhealthy friendship • about the shared responsibility if someone is put under pressure to do something dangerous and something goes wrong • strategies to respond to pressure from friends including online • how to assess the risk of different online 'challenges' and 'dares' • how to recognise and respond to pressure from others to do something unsafe or that makes them feel worried or uncomfortable • how to get advice and report concerns about personal safety, including online • what consent means and how to seek and give/not give permission in different situations
PE	We will have PE with NUFC on a Thursday- children should come to school in their PE kit. We will also run the daily mile every afternoon!
Computing	Creating Media – Video production Learners will learn how to create short videos by working in pairs or groups. As they progress through this unit, they will be exposed to topic-based language and develop the skills of capturing, editing, and manipulating video. Learners are guided with step-by-step support to take their idea from conception to completion. At the conclusion of the unit, learners have the opportunity to reflect on and assess their progress in creating a video.
Music	Social theme: How Does Music Bring Us Together? Musical spotlight: Developing Melodic Phrases This unit celebrates a wide range of musical styles. The clearly sequenced lessons support the key areas of the English Model Music Curriculum; Listening, Singing, Playing Composing and Performing.
French	

Notices

Homework is set on Fridays for pupils to hand in the following Thursday. Homework diaries should be signed each week by a parent or guardian and pupils are expected to record independent reading in their homework diaries.

Useful Links

Maths:

<http://www.bbc.co.uk/bitesize/ks2/maths/>

<http://www.topmarks.co.uk/maths-games/7-11-years>

<https://play.prodigygame.com/>

<https://play.ttrockstars.com/ttrs/dashboard>

Sat's Companion

English:

<http://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar>

<https://www.spellingshed.com/en-gb/index.html>

[ReadTheory | Free Reading Comprehension Practice for Students and Teachers](#)

Sat's Companion