



**English**

**Key vocabulary:**

Pronoun, relative pronoun, relative clause, parenthesis, bracket, dash, cohesion, ambiguity, dialogue, inverted comma

**What pupils will learn:**

Over the Autumn term the children will write a biography of a famous astronaut, write a narrative, an information text, a persuasive letter, use direct and indirect speech and write a newspaper article. As they write in a variety of styles, they will learn to use devices to build cohesion within a paragraph, to link ideas across paragraphs using adverbials of time, place, number, and tense choice, to use brackets, dashes or commas to indicate parenthesis, to use commas to clarify meaning or avoid ambiguity.

**Geography**

**Key vocabulary:**

scale, symbol, continent, country, county, physical feature, human feature

**What pupils will learn:**

We will recap the continents and countries from both the Northern and Southern hemisphere on a globe and/or a map. We will also identify regions and counties of the UK, including those that border Cheshire and identify some key physical and human characteristics, e.g. Shropshire hills, Derbyshire Peak District and the beaches of Flintshire. We will also learn about the significance of the equator and of the Arctic and Antarctic circles.

**Design Technology**

**Key vocabulary:**

saw, sand, smooth, truss, reinforce, support

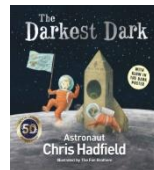
**What pupils will learn:**

During the Autumn term, the children will design, plan, create and evaluate a bridge – focusing on what make a good one and learning the practical skills to ensure it is fit for purpose.

Year 5  
Autumn Term 2023

# To Infinity and Beyond...

Focus texts:



**Trips**  
Crewe Library – FREE

New Vic Theatre Christmas Production – Price  
approx. £19.50  
21.11.23

**Maths**

**Key vocabulary:** ones (1s), tens (10s), hundreds (100s), thousands (1,000s),

ten thousands (10,000s), place value, position, partition, equivalent, estimate, closer to, between, round, next multiple, previous multiple, nearest multiple of 10, 100, 1,000, add, subtract, total, difference, inverse, round, compare, order, greater than (>), less than (<), Roman numerals, line graphs, timetables, factors, multiples, common factors, prime numbers, area, perimeter.

**What pupils will learn:** Through the use of Power Maths, the children will learn about place value, addition and subtraction, statistics (line graphs and tables), multiplication and division, perimeter and area.

**Science – The Earth and Beyond and Forces**

**Key vocabulary:** sun, star, moon, planet, sphere, spherical bodies, satellite, orbit, rotate, axis, astronomer, heliocentric, geocentric.

Force, gravity, mechanism, resistances, lever, pulley

**What pupils will learn:** To describe the movement of the Earth and other planets relative to the sun in the solar system. To describe the movement of the moon relative to the Earth. To describe the sun, earth and moon as approximately spherical bodies. To use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky. The children will also learn that unsupported objects fall towards the Earth because of the force of gravity. They will identify the effects of air resistance, water resistance and friction that act between moving surfaces. To recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

**PE**

**Key vocabulary:** tactics, defending, attacking, techniques, implement and strategy. Gymnastics - complex extended sequences, combine, perform, consistency, audience, link, vault, spring.

**History – Changes across the 20<sup>th</sup> Century**

**Key vocabulary:** Timeline, chronological, 20<sup>th</sup> Century, leisure, entertainment, unions, labour laws, entertainment, propaganda.

**What pupils will learn:** The children will learn about the changes in an aspect of social History. We will focus on leisure and entertainment, linking with our space topic through the televising of the moon landings.

**Art**

**Key vocabulary:**

shade, tone, blend, perspective, cross-hatch, composition, sketch, texture, line

**What pupils will learn:**

To develop their control, use of materials, creativity, experimentation and awareness of different kinds of art. They will use their sketchbooks to record their ideas and to experiment with the various media. They will use different techniques to create mood and feeling. They will improve their mastery of painting, mixing and matching colours/ tones/ tints/ shades to create atmosphere and light effects. They will look at the artist, Peter Thorpe and complete a study of his work.

**Computing**

**Key vocabulary:**

timer, if/else, variable, sequence, algorithm, collision detection, repeat, output, input, sequence.

**What pupils will learn:**

In our computing sessions, the children will develop their skills of coding to create a playable game using a range of variables. The children will also further their knowledge of online safety. They will be aware of the possible dangers faced when using the internet and understand the advantages and disadvantages of sharing information online.

**PSHE including well-being and mental health**

**Key vocabulary:**

family, support, stereotype, disability, friendship, bullying, bystander, attributes, marriage

**What pupils will learn:**

**Family & relationships** – throughout this unit the children will learn to recognise how their actions affect themselves and others and explore the ups and downs of friendships. They will explore the concept of marriage and self-respect as well as human rights. They will discuss and begin to understand more about bullying and how to get help and explore the impact of stereotypes and how it can lead to discrimination. Throughout the term the children will have weekly discussions based on the No Outsiders topic, covering LGBTQ+, race, disability, equality and resilience.

**RE**

**Key vocabulary:**

sacred, bible, text, importance, religious, psalm, proverbs, chapter, verse, wise, law, purpose, saviour, prophet, trinity, father, son, Holy Spirit.

**What pupils will learn:**

The children will learn about the origins and meaning of the Holy Trinity and investigate why Christians say that Jesus is the Son of God and God of man. We will gather and compare viewpoints from different religions and look in detail at the prophecies detailed in the Old Testament. Looking at the Lord's Prayer and parables of the kingdom the children will explain how Christians seek to live. The children will also suggest lines of enquiry and investigate differing religious and non-religious viewpoints of creation and marriage.

**What pupils will learn:** Through our weekly Sportscape sessions, the children will learn to: choose a tactic for defending and attacking, use a number of techniques to pass, dribble and shoot, to gain possession by working as a team and to pass in different ways. In gymnastics the children will make complex extended sequences, combine action, balance and shape and perform consistently to different audiences.

**Music**

**Key vocabulary:** composer, notation, tuned, untuned, composition, ostinato.

**What pupils will learn:** We will learn about the composer/musician: Holst and look closely his orchestral suite, 'The Planets'. We will also use musical notation to play a short piece on a tuned instrument with increasing control.

**MFL**

**Key vocabulary:** mon [my], ton [your], anniversaire (m) [birthday], la date (f) [date], premier (m) [first], J'habite à... [I live in...], Où [where], Où habites-tu? [Where do you live?].

**What pupils will learn:** To read carefully and show understanding of words, phrases and simple writing. To appreciate stories, songs, poems and rhymes in French. To listen to and respond to simple French conversations (including hello, how are you, name, age and where they live). To talk about important dates e.g. birthdays. They will listen to, read and interact with a traditional story (the Christmas story). Write 3-4 sentences in French (based on a topic that they have been taught).