

Curriculum Outline

“To Infinity and Beyond”

Southwell Year 6 Spring Term

English

Our English this term will be linked heavily to our topic. We will be writing various genres across the curriculum predominantly through history and science. Linking to our topic, we will be reading the book ‘**Phoenix**’ by S.F. Said, which will provide the stimulus for many of the text types that will be taught. Additionally, we will be using a variety of multi-modal texts, including a picture book and an animation, to allow the children to write for a range of purposes.

Maths

- Addition, subtraction, multiplication and division
- Fractions, decimals and percentages
- Algebra
- Measurement
- Patterns and number
- Geometry
- Statistics

Geographical and Historical Understanding

Linked to our topic of space, our main enquiry question will be about the significance of the telescope. We will briefly delve into the history of The Renaissance Period and The Age of Discovery; leading on to when and who invented the telescope; exploring how telescopes work; learning about Galileo’s development of the telescope and the effect it had on astronomy. Using this knowledge, we will be researching all about The Space Race between the USSR and USA and looking at developments in space exploration between 1940 and 1970. Finally, we will be examining methods of space exploration used today, including space shuttles, the Hubble Telescope, satellites, observatories, space stations, while learning about the lives of famous scientists who study space.

Science

Our topic this term is “*To Infinity and Beyond*” where we will be studying the Earth, Sun and Moon. We will be learning about the size and names of the planets in our solar system and the children will be inventing their own mnemonics to remember the names. We will then go on to learn about the phases of the Moon and night and day. Following this, we will be learning about orbits, seasons, the Sun and shadows. After half term, the class will be learning all about gravity and forces.

French

This term, the children will be focusing on telling the time and embedding this knowledge into conversation. Within this unit, Year 6 will be looking at a.m./p.m.; five-minute intervals; and converting into 24 hours. This knowledge will be used to support their speaking and listening skills in various locations.

Computing

This term, the children will be using internet search engines to carry out research linked to our topic and for the first half term we will be developing our skills in Coding. We will learn how to: use variables and formulae in code to create an area calculator and convert one measurement into another; learn how to use variables and loops to solve maths challenges and finally we will develop our own app, choosing our own objects, events and using formula. In the second half of the term, we will be learning how to create and use databases and we will be creating our own database in the form of the popular “Top Trumps” game.

Religious Education (RE)

Within this term, the children will be understanding all about The Creation Story. Linking to the book of Genesis, the children will be debating contemporary scientific accounts and its connections and conflicts. Additionally, the children will be examining Psalm 8, while making connections to the ways that Christians respond to God as a Creator.

Personal Social Health Education (PSHE)/Jigsaw

During the first half of the term, we are going to be looking at the theme of “Going for Goals”. This will provide us the opportunities to reflect on ourselves as individuals, particularly our strengths as learners, and how we can learn most effectively. Through different activities, we will investigate what is needed for successful self-directed learning and behaviours, for example: taking responsibility and building feelings of confidence and developing the belief that what we do makes a difference. In the second half of the term, we will be looking at the theme of “Good to be Me”. In this unit, we will be focusing particularly on understanding feelings, and why and how they lead us to behaving the way we do.

Creative Development

We are going to be very creative this term and again, this will all be linked to our space topic. At the start of term, in design and technology, the children will be designing and making a space buggy thinking carefully about a specific set of criteria. After the half term, we will be creating our own space art using a variety of different medium. In Music, we will be discovering a musical journey into space through different sound sources.

Physical Education (PE)

The PE focus for this term is hockey. The children will be using their prior knowledge of the taught skills and use them in game situations. In addition to this, children will be composing dances linked to our space topic. After half term, we will also be pushing our own fitness levels considering how physically fit astronauts would have to be to journey into space. **PE days will be MONDAY (indoor) and THURSDAY (outdoor). Please ensure that you child is dressed in their PE kit on these days.**

Homework

Homework this term will be handed out on a Thursday to be handed in on the following Tuesday (however, additional homework may be set if I believe the children will benefit from it). Each week, the children will have a piece of English and Maths work to complete plus one other piece of homework. This could consist of science, research or a project linked to our topic. Reading regularly should continue to be part of our weekly homework routine. Please ensure **homework and reading** diaries are **signed** on a weekly basis.

Mr Ross

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