

### Literacy

#### Writing:

Fiction - Narrative based on the text 'Alien Landing' with a focus on description and setting.

Non-fiction - Recounts based on Space Centre visit and the Life of Tim Peake.

Poetry - Performance poetry based on the theme of 'Stargazers'.

#### Reading:

Children will focus on retrieval skills using non-fiction texts and inferring characters' feelings and thoughts from fiction/poetry.

#### Spelling, Punctuation and Grammar:

Make links between different paragraphs using adverbials e.g. later, nearby, secondly or tenses choices e.g. he had seen her before.

### Numeracy

#### Place Value:

Children will be taught to 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; interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero; round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000; solve number problems and practical problems that involve all of the above; read Roman numerals up to 1,000 (M) and recognise years written in Roman numerals.

#### Addition and Subtraction:

Children will be taught to add and subtract numbers mentally with increasingly large numbers; add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction); use rounding to check answers to 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.

### RE

#### Creation:

Children will learn some key beliefs about the creation of human beings and the creation of the world. They will understand the story of creation as a way of explaining that God is creator, rather than a re-telling of the order of the created world. They will reflect on their God given talents and how they can live their lives in response to the teaching of Christ.

#### Baptism:

Children will explore the role of John the Baptist in the Baptism of Jesus and will have participated in an in depth study of the signs, symbols and prayers associated with the Sacrament of Baptism.

### Science

Children will be working scientifically by -

- Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations
- Identifying scientific evidence that has been used to support or refute ideas or arguments.

#### Earth and Space

Children will be taught to -

- Describe the movement of the Earth, and other planets, relative to the Sun and the solar system.
- Describe the movement of the moon relative to the Earth.
- Describe the Sun, Earth and Moon as approximately spherical bodies.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

#### Get Sorted and Everyday Materials

Children will be taught to -

- Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.

## St. Anne's Catholic Primary School



### Year 5

### Autumn Term

### History/Geography

#### Geography

Children will be taught to -

- Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones.

#### History

Children will be taught about -

- The history of space exploration
- Significant astronauts and space explorers
- Apollo 11 and the lunar roving vehicle

### Art/D&T

Children will be taught to -

- create sketch books to record their observations and use them to review and revisit ideas - sketches of the solar system
- know about great artists, architects and designers in history - Study of Van Gough Starry Night

### Computing

Children will be taught to -

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

### P.E.

#### Dance:

- To perform dances using a range of movement patterns

#### Tag Rugby:

- To play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending.

### D.T.

Children will make moon buggies and be taught to -

- generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer aided design.
- select from and use a wide range of materials
- select from and use a wider range of materials and components, including construction materials and components according to their functional properties and aesthetic qualities.

### SMSC & British Values Links

- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.
- Democracy - understanding that we have a right to vote. Voting in the School Council Elections.