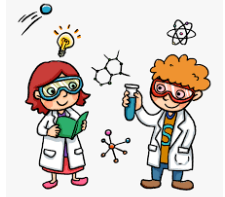




St. Anne's Catholic Primary School

Year 5 Medium Term Plan 'We are Scientists'



RE

Sacrifice (Lent/Easter - Giving Assessment.)

Focuses on Jesus' loving self-giving on the cross, the Father's love that raises him to new life and the challenge to Christians to follow Jesus' example of self-giving.

Transformation (Pentecost - Serving.)

Focuses on the on-going mission of Jesus Christ in the church through the power of the Holy Spirit.

English

Novel as a Theme (4 Weeks.)

A short story or chapter for a novel about an invention based on the fictional story of Professor Branestawm by Norman Hunter.

Magazine: Information Text Hybrid (3 weeks.)

Children to understand the features of the 6 non-fiction text types, and apply this knowledge to producing a page for a magazine and a presentation.

Maths

Week 1 - Place Value including Decimals

Week 2 - Fractions

Week 3 – Measures (Time and Converting Units) and Statistics

Week 4 - Geometry

Week 5 - Addition and Subtraction

Week 6 – Multiplication and Division

Week 7 - Assessment Week

Driver Subjects

Science: Forces and their effects on movement.

Inventors & Inventions. To research famous inventors such as Leonardo da Vinci and Aristotle.

Design Technology: Mechanical and Electrical Systems.

To research and evaluate existing products and consider their use and purpose, before designing their own inventions.

Science

In addition to learning about Inventors, the children will be studying the effects of gravity and how it acts between the Earth and falling objects.

They will develop their knowledge of different types of forces such as: push, pull, friction, air resistance, water resistance, magnetic forces and gravity, to understand why forces are sometimes taken into account when designing new inventions.

Scientific Enquiry

Researching and Communicating

The children will spend time learning about and researching information about famous inventors.

They will discuss their findings and record their evidence in scientific reports.

Art & Design/ Design Technology

Researching and designing our own inventions.

The children will be thinking about and researching useful inventions for the future.

They will research and evaluate existing products and consider their use and purpose, before designing their own inventions.

Computing

Creating Spreadsheets

The children will create formulae to convert m to cm. They will apply this to creating a spreadsheet that converts miles to km and vice versa.

Their spreadsheets will also be used to solve different mathematical problems such as finding the area of rectangles or how many weeks there are in x number of years.

RSE/ PSHE

CORE THEME 3: LIVING IN THE WIDER WORLD

Throughout this unit of work the children will learn about why we have human rights, and the relationship between rights and responsibilities. We will be discussing shared responsibilities, communities and economic wellbeing.

PE

The children will play in competitive games and modified team games outdoors and indoors, Covid rules permitting.

History

Famous Inventors and Inventions

Our history lessons have strong cross curricular links with Science and Design Technology. Children will research Aristotle's work to consider early thinking about how things fall and how Galileo and Newton were responsible for altering this view by providing further scientific evidence.

Music

To improvise and compose music for a range of purposes using the inter-related dimensions of music via Rhythmic Composition.

Collaborative Learning

The children will collaborate with one another in lessons when researching and delivering presentations.