

## St. Anne's Catholic Primary School

### Year 4 Curriculum Information

#### 'We are Scientists'

*"Loving God In All We Do."*



#### The 'We are Scientists' topic is about ...

Our Science topic for this half term is all about states of matter. The children will learn that things are composed of a material in one of three states of matter: solids, liquids and gases. The children will take part in a series of investigations to find out what constitutes as a solid, liquid and gas. They will find out the properties of each state of matter and will be able to explain the differences using key vocabulary and labelled diagrams. The children will also observe evaporation and condensation and will be able to explain how it happens, when it happens and why it happens. They will further their knowledge by studying the water cycle .

The children will also start to study Electricity and this will flow over to the second half term .

#### Prior learning

- To group together forces into pushes or pulls.
- To show how forces can help us or hinder us.
- To recognise forces in our environment.
- To know how forces act against each other.
- To create a series of tests to learn more about friction and gravity.
- To know magnetism is a non-contact force.

#### Our current learning

- To identify and explain what a solid, liquid or gas is.
- To identify and group materials together according to their state.
- To observe how materials change state when they are heated or cooled.
- To discuss and explain precipitation, evaporation and condensation.
- To identify different processes in the water cycle.

#### Vocabulary

##### **RE**

life, church, Resurrection, Pentecost, Holy Spirit, apostles, Peter.

##### **Computing**

assessment, audience checklist, collaboration, homepage, content, design.

##### **Design Technology**

Prototypes, 3D, 4D, materials, design, make, evaluate, strengthen, weakness, product, technical vocabulary.

##### **History**

Egyptians, Pharaohs, Gods, Goddesses, mummification, tomb, hieroglyphics, dynasty, sarcophagus, pyramid, canopic jars, civilisation, chronological,

##### **Geography**

River Nile, flood, Egypt, water source, Africa, Mediterranean Sea, fertile land, transportation, equator .

##### **MFL**

Le café, le restaurant, le menu, une boisson, une entrée, je voudrais, s'il vous plait, merci, l'addition.

##### **Music**

Ostinato, acapella rounds, harmony, cue

##### **Science**

Solids, liquids, gases, materials, temperature, melt, freeze, water vapour, particles, properties, evaporation, condensation, precipitation, water cycle, ground water, fair test, investigation, observation, communication.



## St. Anne's Catholic Primary School

### Year 4 Knowledge Organiser

#### 'We are Scientists'



**RE** The children will be focusing on the topic To the Ends of the Earth. This branch helps the children understand the importance of Peter the Rock and the foundations of the Christian church. The words apostleship and community will be discussed and the children will think about how these events and ideas link with their own lives.

#### Wider curriculum learning.

In History, the children are going to study the Ancient Egyptians, learning about the early civilisation and how their way of life is different to ours.

In Geography, which is linked to the Ancient Egyptian topic, the study will be the River Nile . This is also linked with a study in the UK which is rivers.

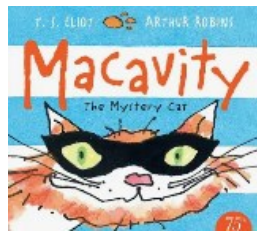
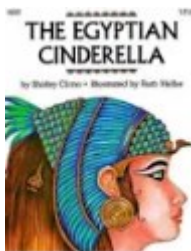
The focus in Design Technology will linked with our Electricity topic which will run over both the summer half terms. The children will design, make and evaluate their own castle and light up the castle with a designed electric circuit.

In French, the children will learn about French food, which includes food, café menu, money and shops.

Computing will focus physical systems which is linked to coding and recycled musical instruments.

In Music the children will focus on changes in pitch, dynamics and tempo which is linked to our Geography topic.

#### We are going to read a range of texts from



The Egyptian Cinderella by Shirley Climo.  
Variety of History sources about Egyptians.  
Using atlases during Geography lessons.  
Macavity: The Mystery Cat by T.S Elliot.

#### Key dates for this half-term

**Term dates**— Monday 13th April—Friday 22nd May.

**Bank Holidays**—Monday 4th May.

**PE Days**— Tuesdays ( Athletics ) Wednesdays (Tennis)

**Stay and Pray**— Thursday 23rd April at 3:15pm

**Sacrament of Reconciliation**— TBC by Father Godric