

St. Anne's Catholic Primary School

Year 4 Knowledge Organiser

'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, good news, Resurrection, Pentecost, Holy Spirit, fellowship.

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.



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RE The children will be focusing on the topic New Life which helps believers hear and listen to the Easter message. The children will know how good news brings life and that the new life of the Easter message is spread through the power of the Holy Spirit.

The other faith being learnt about is Islam.

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.

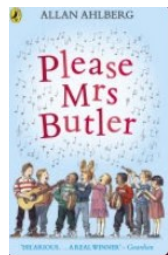
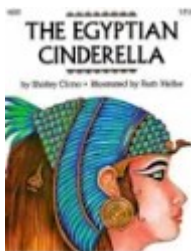
The focus in Design Technology will linked with our Electricity topic running over both the summer half terms. The children will design, make and evaluate their own castle and light up the castle with a designed electric circuit.

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

Computing will focus on creating a website design.

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.

Please Mrs Butler by Alan Ahlberg.

Variety of History sources about Egyptians.

Atlas'

Key dates for this half-term

Term dates— Monday 15th April —Friday 24th May Bank Holiday Monday—6th May.

PE Days— Wednesday and Friday

Sacrament of Reconciliation— TBC by Father Godric

Brockholes Trip— Wednesday 22nd May