

## St. Anne's Catholic Primary School

### Year 2 Knowledge Organiser

#### 'We are Scientists'

*"Loving God In All We Do."*



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

exploring plants, trees, seeds and fruits across the curriculum in a fun, investigative way. The children will be engaging in a wealth of outdoor learning tasks across our school grounds: planting, observing, classifying and growing. We then can't wait for them to take their findings back to the classroom to learn about the life cycles of plants, and the best conditions for plant growth and survival.

The wider curriculum tasks are also inspired by all things that grow! The children will be developing their observational and comparative skills through Science and Geography sessions.

#### What we already know...

The children are familiar with common names of flowers, examples of deciduous and evergreen trees, and plant structures (including leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem), but this will be revisited.

They will have compared familiar plants; describing how they were able to identify and group them, and drawing diagrams showing the parts of different plants including trees. They have kept records of how plants have changed over time, for example the leaves falling off trees and buds opening; and compare and contrast what they have found out about different plants.

#### By the end of the theme we will know ...

The children will use the local environment to observe how different plants grow. They will be introduced to what plants need for germination, growth and survival, as well as the processes of reproduction and growth in plants.

They will work scientifically by: observing and recording the growth of a variety of plants as they change over time from a seed or bulb. They will also look at similar plants at different stages of growth by setting up a comparative test to show that plants need light and water to stay healthy.

#### Vocabulary

##### RE

message, risen, resurrection, Holy Spirit, Ascension, witnesses, blessing, Pentecost, promise, Good News

##### Maths

O'clock, half past

Quarter past/ to

Minute/ hour

Shortest/ longest

Hands

##### Science

Leaf/ leaves

Fruit

Roots

Bulb/ seed

Bud/ flower

Germination

Life cycle

Observing/ comparing

##### Geography

Season

Weather

##### Music

Rhythm, pulse, dynamics, timbre

Beat, melody, notation

##### Computing

Block graph, cell, column, copy, count tool, data, drag, equals, label, row, speak tool, table, total



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#### Wider curriculum learning

This half term, in RE we will be learning about Pentecost: spreading the Gospel message through the gift of the Holy Spirit. We will also be learning about the religion of Islam: the Muslim home and the way that the family pray.

In Maths we will be learning to tell the time to o'clock, half past, quarter past and quarter to.

The focus for Science is plants: how seeds and bulbs grow into plants, and that plants need water and light to grow.

Our Geography learning will be centred around the children will be looking at seasonal and weather patterns and the effect on the environment.

In PSHE this half term will begin the theme of living in the wider world.

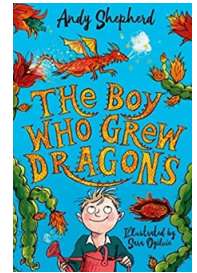
#### We are going to read a range of texts from

##### **Stories with a familiar setting**

The children will be able to write their own story based on the story 'The Boy Who grew Dragons' by Andy Shepherd.

##### **Riddles**

The children will then write a riddle about a mystery fruit.



#### Let's try this at home

Have fun in the garden by planting vegetables, fruit or plants.

Enjoy some outdoor art: making a sun catcher, a stone sculpture or a bird feeder.

Try some fruits that you have never tasted before: a dragon fruit, a fig, a star fruit, papaya, mango, guava.

Read some other books by Andy Shepherd.

#### Key dates for this half-term

Term dates: Monday, 17th April—Friday, 26th May

Bank Holidays: Monday, 1st May and Monday 8th May

Open Classroom Celebration: Wednesday, 17th May 3.30-5pm

Walk to School Week: Monday, 15th —Friday, 19th May

Stay and Pray : Wednesday, 24th May

Whole School First Aid Day: Friday, 26th May

PE Days: Tuesday and Wednesday

Homework: Reading, spelling, TT Rockstars will be set on Friday for the following Friday.