Literacy Knowledge

The theme of literacy is non-fiction and explanation texts linked to our topic of Science

Year 1 need to....

- Listen to, enjoy and talk about poems, stories and *non-fiction* texts.
- Listen to and discuss a wide range of poems, stories and *non-fiction* at a level beyond that at which they can read independently.
- Listen and respond appropriately to adults and their peers.
- Ask relevant questions to extend their understanding and knowledge.
- Sit correctly at a table, holding a pencil comfortably and correctly
- Begin to form lower-case letters in the correct direction, starting and finishing in the right place.
- Write sentences.
- Sequence sentences to form short narratives.

Year 2 need to....

- Recognise simple recurring literary language in stories and poetry.
- Be introduced to *non-fiction* books that are structured in different ways.
- Listen to, discuss and express views about a wide range poetry, stories and *non-fiction* at a level beyond that at which they can read independently.
- Develop positive attitudes towards and stamina for writing
- Write for different purposes.
- Make simple additions, revisions and corrections to their own writing.

Maths Knowledge

Year 1 need to....

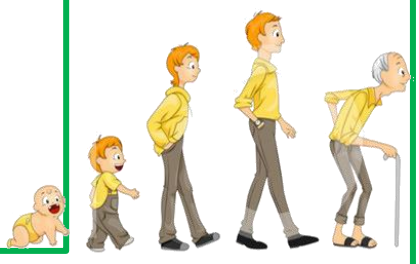
- Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs.
- Represent and use number bonds and related subtraction facts within 20.
- Add and subtract one-digit and two-digit numbers to 20, including zero.
- Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.
- Identify and represent numbers using objects and pictorial representations
- Use the language of: equal to, more than, less than (fewer), most, least.
- Given a number, identify one more and one less.
- Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- Compare, describe and solve practical problems for: lengths and heights, mass/weight, capacity and volume and time
- Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume and time

- **Year 2 need to**....
- Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.
- Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.
- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.
- Recognise, find, name and write fractions ⅓, ¼, 2/4 and 3/4 of a length, shape, set of objects or quantity

PE Knowledge

Year 1 and Year 2 need to....

- Change direction when travelling
- Travel at different speeds and levels
- Develop gestures as moves
- Understand and move to beats in music
- Move in time to the music
- Perform dance moves that flow smoothly
- Explore movement with a partner



PSHE Knowledge

Year 1 and Year 2 need to know....

- the scientific names of male and female body parts
- some differences between males and females
- the body parts that we keep private
- that people's bodies and feelings can be hurt.
- about their own likes and dislikes
- that different people like different things.
- how they have changed since they were a baby
- that peoples' needs change as they grow older
- about things they would like to do when they are older
- some changes that people might go through in life

Brief overview of the topic….

The purpose of this topic is to teach children about plants. Year 1 will learn to name, sort and classify a wide variety of common plants as well as understanding their structure. They will also learn about the seasons and weather patterns and how this affects plants. Year 2 will learn to describe the lifecycle of a plant and what a plant needs to survive.
By working scientifically through a range of investigations they will use their skills and knowledge to solve problems.

Key Vocabulary

plant, tree, germinate, stem, leaf, root, seed, bulb, flower, petal, fruit, deciduous, evergreen, Summer, Autumn, Winter, Spring, seasons, weather,

Roots, Shoots and Juicy Fruits

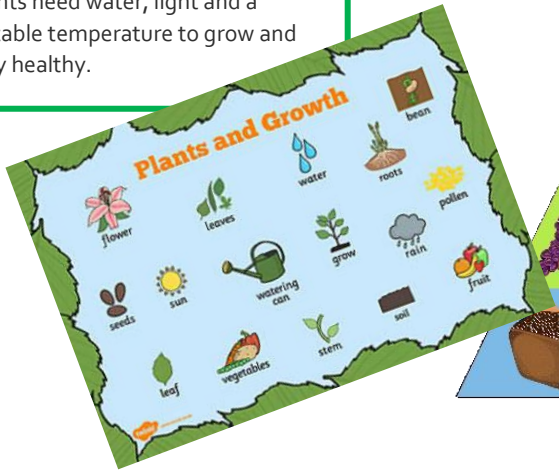
Science Knowledge

Year 1 need to know that….

- Plants are living things.
- Common plants include the daisy, daffodil and grass.
- Trees are large, woody plants and are either evergreen or deciduous.
- Trees that lose their leaves in the autumn are called deciduous trees.
- Trees that shed old leaves and grow new leaves all year round are called evergreen trees.
- The basic plant parts include root, stem, leaf, flower, petal, fruit, seed and bulb. Trees have a woody stem called a trunk.
- There are four seasons: spring, summer, autumn and winter.
- Different types of weather include sunshine, rain, hail, wind,
- The weather can change daily and some weather types are more common in certain seasons, such as snow in winter.

Year 2 need to know that….

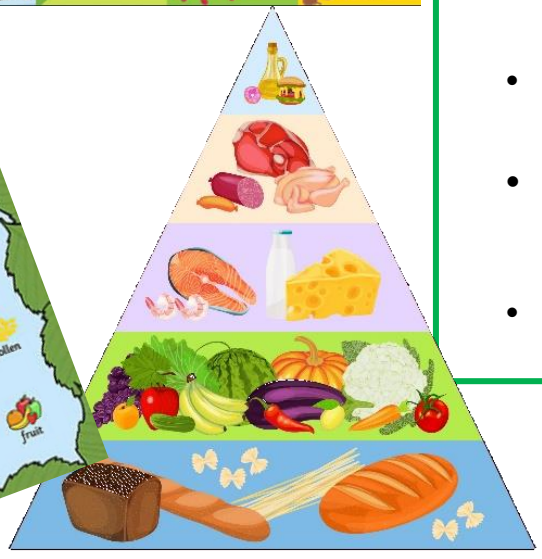
- Plants grow from seeds and bulbs.
- Seeds and bulbs need water and warmth to start growing
- As the plant grows bigger, it develops leaves and flowers.
- Plants need water, light and a suitable temperature to grow and stay healthy.



RE Knowledge

Year 1 and Year 2 need to know that….

- There are many different religions in the world
- People believe in different things
- Different people celebrate in different ways depending on their religion and beliefs
- A wedding and a baptism is a type of ceremony
- Other religions have different ceremonies to mark these occasions
- Some people don't belong to a religious community



Innovation week
ART and DT

Year 1 need to know that….

- Ideas can be created through observation, imagination and memory
- A print is a shape or image that has been made by transferring paint, fabric paint, ink or other media from one surface to another.
- Fruit and vegetables are an important part of a healthy diet.
- It is recommended that people eat at least five portions of fruit and vegetables every day.
- Some foods come from animals, such as meat, fish and dairy products. Other foods come from plants, such as fruit, vegetables, grains, beans and nuts.

Year 2 need to know that….

- Materials and techniques are well suited to different tasks
- A block print is made when a pattern is carved or engraved onto a surface, covered with ink, and then pressed onto paper or fabric
- Some ingredients need to be prepared before they can be cooked or eaten.
- A healthy diet should include meat or fish, starchy foods, dairy foods, a small amount of fat and plenty of fruit and vegetables
- Food comes from two main sources: animals and plants.