Literacy Knowledge

The theme of literacy is non-fiction writing

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
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- **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....

- Know how to throw safely
- Throw in a variety of ways
- Decide which throwing method is best
- Practise short distance running
- Practise balancing skills
- Use skills from the year to compete in team sports

PSHE Knowledge

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

- they should have respect for self and others and the importance of responsible behaviours and actions
- about rights and responsibilities as members of families, other groups and ultimately as citizens
- about different groups and communities
- about the importance of respecting and protecting the environment
- about where money comes from, keeping it safe and the importance of managing it effectively
- the part that money plays in people's lives
- a basic understanding of enterprise

Brief overview of the topic....

The purpose of this topic is to teach children about materials. Children will be able to identify and name materials and their properties. Year 1 will learn to identify which material objects are made from as well as compare and group materials based on their properties. Year 2 will learn how materials and objects can be changed and compare and discuss their suitability.
By working scientifically through a range of investigations they will use their skills and knowledge to solve problems.

Key Vocabulary

materials, wood, plastic, glass, metal, fabric, hard, soft, stretchy, smooth, shiny, dull, waterproof, properties, characteristics, investigate, textile

Shore is fun....

Science Knowledge

Year 1 need to know that....

- A material is what an object is made from.
- Everyday materials include wood, plastic, glass, metal, water, rock, brick, paper and fabric.
- Materials have different properties, such as hard or soft; stretchy or stiff; rough or smooth
- Materials can be grouped according to their properties.

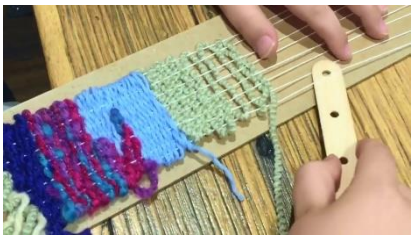
Year 2 need to know that....

- A material's physical properties make it suitable for particular purposes e.g glass for windows and brick for building walls.
- Many materials are used for more than one purpose, such as metal for cutlery and cars.
- Some objects and materials can be changed by squashing, bending, twisting, stretching, heating, cooling, mixing and being left to decay.

RE Knowledge

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

- There are many different religions in the world
- People believe in different things
- sacred texts contain stories which are special to many people and should be treated with respect
- there are links between the messages within sacred texts and the way people live



Innovation week
ART and DT

Year 1 need to know that....

- Ideas can be created through observation, imagination and memory
- Discussion and initial sketches can be used to communicate ideas and are part of the artistic process.
- Textiles can be cut and joined together in different ways
- You can weave different fabrics together
- Sewing in a way to join fabrics
- An axle is a rod or spindle that passes through the centre of a wheel to connect two wheels.

Year 2 need to know that....

- Materials and techniques are well suited to different tasks
- Textiles are woven together to make fabric
- Fabrics are used to create items such as furniture, clothes
- A mechanism is a device that takes one type of motion or force and produces a different one.
- A mechanism makes a job easier to do.
- Mechanisms include sliders, levers, linkages, gears, pulleys and cams.