



Year 2 will be exploring the topic: “Materials”. This unit of work will have a specific focus on developing the children’s knowledge, skills and understanding in DT and Science.

Maths Learning

Geometry- properties of shape

- Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.]
- Compare and sort common 2-D and 3-D shapes and everyday objects.

Number – fractions

- Recognise, find, name and write fractions $1/3$, $1/4$, $2/4$ and $3/4$ of a length, shape, set of objects or quantity.
- Write simple fractions for example, $1/2$ of $6 = 3$ and recognise the equivalence of $2/4$ and $1/2$.

Number recap

- place value, addition and subtraction written methods, 2 step problems.

Revisit and consolidation: multiplication and division

English Learning

We will be reading ‘The three little wolves and the big bad pig’ by Eugene Trivizas & Helen Oxenbury and the traditional tale of the 3 little pigs.

Newspaper

- Recognise features of a newspaper article – headlines, pictures, captions, direct quotes
- Planning the layout of a newspaper by writing down key ideas
- Writing about fictional experiences
- Writing in the past tense

Letter writing

- Revisit the features of a letter
- Writing in the role of a character
- Using range of subordinating conjunctions independently – when, if, that, or, because

Poetry:

- Learn a poem by heart.
- Perform a poem using rhythm
- Discuss favourite words and phrases and give reasons.
- Look in detail at similes and metaphors used in poetry and the impact on the reader.
- Use own examples of similes and metaphors in own poems.

Home Learning

Parents can support in the following ways:

- Looking at child friendly newspaper articles at home and discussing features and language used.
- Reading a range of traditional stories such as 3 bears or red riding hood and looking at similarities and differences between stories.
- Writing letters to friends or family members and talking about the layout and features of a letter.
- Performing and reading aloud poems
- Looking for 2D and 3D shapes around the home and discussing what they look like.
- Looking at real life fractions e.g. cutting a pizza into quarters and thirds.
- Practicing addition and subtraction using 2 digit numbers and looking at related facts and number bonds.





What I already know and can do:

In Science I have:

- Looked at properties of materials and which materials would be best for clothes in different weathers.
- Named different types of materials around the classroom.
- Described materials using words like hard, soft, rough, smooth.
- Completed an investigation looking at which material would be best for a poncho.
- Taken part in whole class investigations and given simple predictions explaining what I think will happen.

In Design Technology I have:

- Create a 3D egg using paper Mache.
- Designed and created models using junk.
- Planned, designed and created a pirates treasure chest.
- Folded, cut and torn paper.
- Use glue to join and stick

Key Vocabulary I will learn:

| | |
|-------------|--------------------------------------------------------------|
| Material | What something is made from |
| Evaluate | To talk about what went well or could be better. |
| Properties | What something is like e.g. hard or soft. |
| Joining | How to link things together |
| Suitability | Whether something will do its job correctly |
| Landmark | Object or feature of a landscape or town that is easily seen |

My new learning is:

- To name and compare the suitability of different materials for particular uses for example best used for a coat or roof for a house.
- To look at properties of wood, metal, plastic, glass, brick, rock, paper and cardboard.
- To find out how shapes of materials can be changed by bending, twisting, squashing and stretching.
- To use pictures and words to explain what to design linked to the brief of creating a new London landmark.
- To describe their plan and add notes to their drawings to help explanations.
- To discuss their work as it progresses discussing good and bad points and make changes where needed.
- To find out different ways to join materials e.g. glue, tape.
- To see how a glue gun is used by an adult.
- To explore and find out about the Hindu religion and what they believe about God.

