



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.

