Lodge Farm Primary School- Knowledge Organiser

Design and Technology Topic: Design and create a moving picture.

Year: 1 **Term:** Summer 1

Key Knowledge/Content:

- I know that different mechanisms and levers produce different types of movement.
- I know that when I assemble a mechanism, I need to use the appropriate fasteners for the job. This might be a split pin, tape, string or glue.
- I know that I can hide my mechanism on my moving picture by creating slots to house mechanisms behind the picture and flaps to hide mechanisms.

Key vocabulary with definition:
Prior vocabulary:
- Method – A manner in which a thing is done or in which it happens.
- Product – An item offered for sale.
- Appealing – To look attractive or interesting.
- Label – Adding notes to a drawing to explain the features.

New vocabulary:
- Function – The purpose of something.
- Movement – The act of moving.
- Mechanism – A system of parts working together in a machine.
- Appearance – The way that someone or something looks.

Links to:
Prior learning:
The children designed, made and evaluated their aeroplane. The children learned about different materials and how to make their product appealing.

Future learning:
The children are going to design and create a lighthouse.

By the end of this unit
All children can: **recognise** that you need a range of tools to make a picture and **demonstrate** how to draw a simple design, creating a picture with a simple movement.
Most children can: **demonstrate** how a product moves and **explain** the technique they use to create the simple movement.
Some children can: **demonstrate** and **explain** the audience of their products and **compare** their work to others, discussing strengths and weaknesses.

Background understanding for teachers and parents:
The children are to design, make and evaluate a moving picture. The children are going to be exploring a simple mechanism. Once the product is made, the children are going to test to see if their product works.

Curriculum Driver (one):
Communication
Evidence outcome:
The children will be discussing their ideas and discussing their final products.