

Preston Primary School Knowledge Organiser

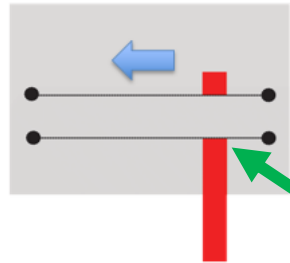
Design and Technology: How Can I Make a Moving Picture?

Term: Autumn 1

Unit 2 - Year 1 & 2

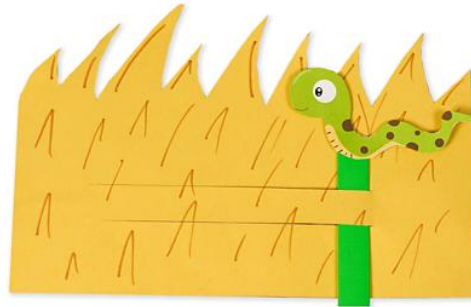
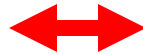
Duration: 7 Weeks

Sliders

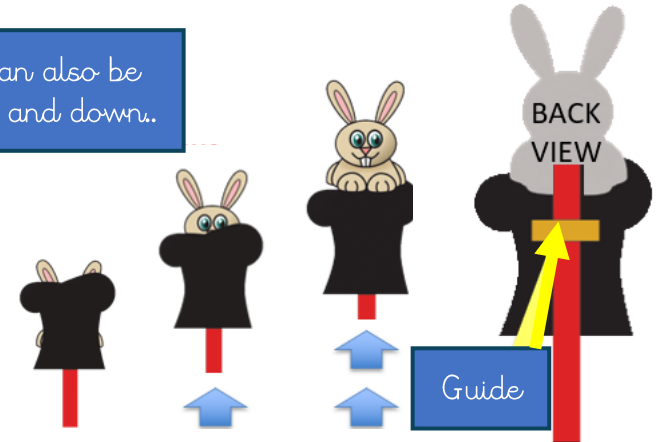


Guide

Sliders can be moved left to right.



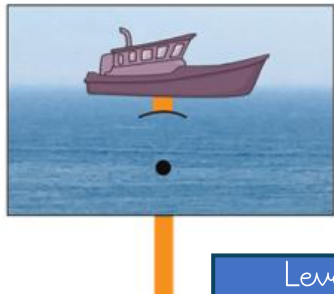
Sliders can also be moved up and down..



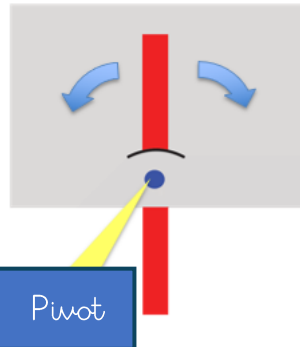
BACK VIEW

Guide

Levers



Levers create a rocking movement in a curve.



Pivot





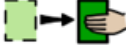



Lothar Meggendorfer

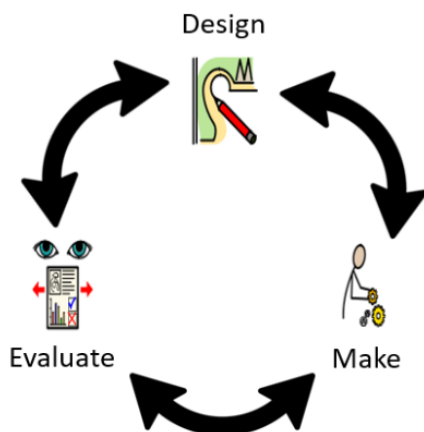


Lothar Meggendorfer is important because he made the first moving picture books, and he showed us how pictures can move using sliders and levers..
















What we are making? Who for? How can we be successful?

	Design Brief: A moving picture.
	Clients: Our parents and carers.
	Purpose: To make a moving picture of you at school to share with your parents and carers.
	Design Criteria: (The steps I need to take for my product to be successful) <ol style="list-style-type: none"> 1) My picture needs to be able to move.  2) My picture needs to have a slider and/or lever.  3) I need to choose the right materials and tools to make my moving parts work.  4) My picture needs to be colourful. 



In DT, we evaluate existing products. We then follow a cycle where we design, make, and evaluate our products but we don't just do it once! We go back and forth between each step to keep checking, improving, and making our work even better..

Key Vocabulary		
	Design	Design in DT means to plan out what we are going to make and how we are going to do it. We think of the tools and materials we need.
	Make	In DT, make means using the appropriate (right) tools and materials to make a product safely and following a design or plan.
	Evaluate	Evaluate means to look closely at something, say what you like or don't like, if it works well or not, and think about how it could be better.
	Product	A product in DT is the item we are making for someone to use.
	Mechanical System	Mechanical systems are part of a product or item that can move.
	Slider	A slider can be part of a moving picture. It is a mechanical system that moves in a straight line. Up and down or left and right.
	Guide	A guide is the part that helps the slider move in the right direction. It's like a little track or tunnel that the slider goes through, so it doesn't wobble or fall out.
	Lever	A lever can be part of a moving picture. It is a mechanical system that swings or turns to make something move.
	Pivot	The pivot is the little spot (often a split pin) that holds the lever in place and lets it turn or swing.
	Paper Engineer	A paper engineer is someone who makes clever things with paper - especially parts of books that move, pop up, or fold out.
	Materials	Materials are what things are made of such as paper, card, metal, wood. We must choose the right materials for what we want to make so it works properly.
	Tools	Tools are things we use to help us make or fix something. In DT, tools help us cut, stick, join, or shape materials.
	Improve	Improve means to make something better. We can evaluate something to make improvements.