

Design and Technology		Year 4	
Focus: Levers and Linkages			
mechanism	a device used to create movement in a product	Linkage	the card strips joining one or more levers to produce the movement (the lever and linkage mechanism together)
Lever	a rigid bar which moves about a pivot	Guide or bridge	a short card strip used to keep the lever and linkage in place
Fixed pivot	a split pin joining card strips together	Loose pivot	a split pin joining card strips to the backing card
prototype	a test of the model you are designing.		



Key Knowledge

- a design brief outlines what the project has to achieve, how it will be achieved and what the time frame it will be completed in.
- Designs are a plan of what you aim to achieve. This sometimes needs to be changed along the making process if it isn't working how you planned.
- The planning stage of your project should outline what materials you need, measurements and what equipment will be needed.
- Making - accuracy in measuring and cutting are needed when making a product.
- Evaluation during the making and at the end of the making stages are important as your process can be adapted and changed to make a better quality product.
- Levers and pivots will be used to make a moving picture Christmas card.

