

Design & Technology Subject Knowledge Organizer – Key Stage 1

Year 1 – Mechanisms using Levers & Sliders

My Key Objectives	
1	I understand that levers and sliding mechanisms can be used to make things move
2	I can use tools safely
3	I can suggest my own ideas and explain what I am going to do
4	I can produce a simple drawing and label parts
5	I can make a simple sliding and lever mechanism
6	I can make my design using appropriate techniques
7	I can evaluate my product by talking about how well it works
8	I can think about one way I could improve my design



Teacher Resources	
1	A selection of products with moving parts e.g. scissors, balances, story books, badges, puppets, cards
2	Disposable pictures which can be cut up for experimentation
3	Paper
4	Card
5	Paper fasteners – split pins, masking tape, glue
6	Plier punch/single hole punch
7	Scissors
8	Coloured pens/paints
9	Design Templates
10	Camera

Skills	
1	Marking out materials
2	Cutting
3	Joining
4	Modelling ideas
5	

My Vocabulary	
1	Movement – push/pull
2	Moving – forward/backwards
3	Handle
4	Lever
5	Slider
6	Pivot
7	Direction
8	Length
9	Mechanism
10	Join
11	Product