

Year 1/2: Sliders and Levers –What did the journey to Bethlehem look like?

Subject Specific Vocabulary		Prior Learning EY	Sticky Knowledge
mechanism	a device used to create movement in a product.	Early experiences of working with paper and card to make simple flaps and hinges. Experience of simple cutting, shaping and joining skills using scissors, glue, paper fasteners and masking tape	<p>Use a single hole punch to make a hole then cut a slot</p> <p>Tape or staple car onto card strip</p> <p>Sticky fixers on back of card strip</p> <p>A card strip could be used instead of cutting slots to allow movement</p> <p>Masking tape</p> <p>Rabbit moves up and down</p>
lever	a rigid bar which moves around a pivot. Levers are used in many everyday products. In this project children will use card strips for levers and paper fasteners for pivots.	Future Learning Y3/4	
slider	a rigid bar which moves backwards and forwards along a straight line. Unlike a lever, a slider does not have a pivot point.	Construct systems with levers and simple linkages. Know the difference between fixed and loose pivots. Evaluate existing products with levers and linkages. Create a order of making using annotated drawings and instructions.	
slot	the hole through which a lever is placed to enable part of a picture to move.		
guide or bridge	a short card strip used to keep lever and linkage mechanisms in place and control movement.		
		<h2>Moving Christmas Story</h2>	<ul style="list-style-type: none"> • Develop their ideas of what they could make through talk, pictures and mock ups. • Make a lever mechanism suggesting what order to do things and explain the tool choices they have made. • Use simple finishing techniques. • Evaluate how well their product achieves its purpose.