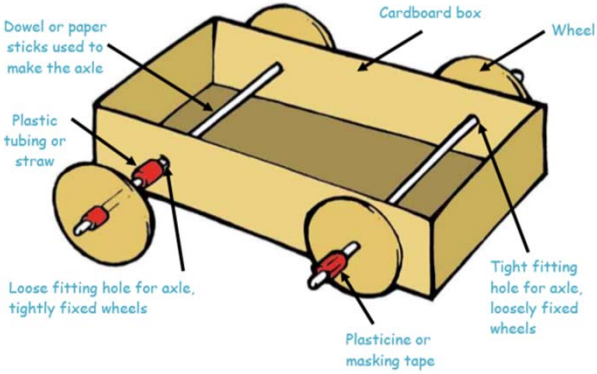
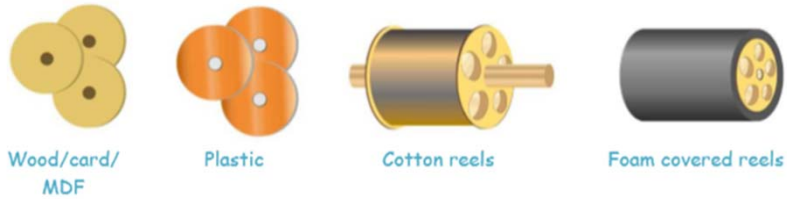


Year 1/2: Wheels and Axles-How will teddy get home?

Subject Specific Vocabulary		Prior Learning EY	Sticky Knowledge
axle	a rod that enables a wheel to rotate. The wheel can rotate freely on the axle or be fixed to, and turn with, the axle.	Assembled vehicles with moving wheels using construction kits. Explore moving vehicles through play. Gained some experience of designing, making and evaluating products for a specified user and purpose. Developed some cutting, joining and finishing skills with card.	 <ul style="list-style-type: none"> Explore wheeled products to establish how they are attached. Develop a simple design with labelled parts. Practice different ways to make an axle holder. Cut and join materials carefully. Select appropriate materials and equipment. Use their drawing as a guide to construction. Use resources to finish their product appropriately. Evaluate their product based on how well it fulfils the function to move.
axle holder	the component through which an axle fits and rotates.	Future Learning Y3/4	
friction	resistance which is encountered when two things rub together.	Write more detailed plans and lists of instructions. Use exploded diagrams to illustrate their ideas. Work collaboratively with others on DT projects. Assess their work against more detailed criteria and offer constructive criticism to others.	
chassis	the frame or base on which a vehicle is built.		
dowel	wooden rods used for making axles to hold wheels.		
mechanism	a system of parts that work together.		
		<h3 style="color: orange;">A vehicle for teddy</h3> 