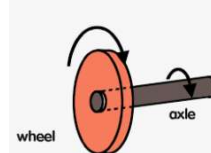
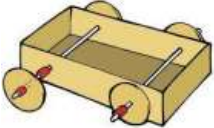




Subject: DT	Year group: 2 Term: Summer	Title: Mechanisms - Bathing Machines
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What should I already know? • How to use simple tools safely and appropriately. • How to construct with a purpose in mind. • How to select the materials I need for building and joining. • How to select different materials for different purposes. • How to evaluate existing products. • How to design a product based on existing products and their own ideas. • How to select materials for a purpose. • How to join materials for a purpose.	Facts I will learn • What an axle is and its purpose in the design and construction of vehicles. • That the prototypes must be tested to identify strengths and weaknesses. • That designers often plan and create more than one prototype. • That a range of materials can be used for the same purpose and that the most suitable material must be chosen. 	Key questions • Product - what kind of vehicle could we make? • Purpose – what surfaces does it need to travel upon? • User - who is going to use it? • What is an axle? • What is a chassis? 						
Key Skills • To use pictures and words to explain and develop their designs. • To design a moving vehicle. • To develop more than one idea making different choices of materials. • To use the appropriate joins for different materials.	Experiences that school will provide The opportunity to explore a range of toy vehicles. Investigating vehicles on different surfaces. 	<table><tr><th>Key vocab</th><th>Definition</th></tr><tr><td>axle</td><td>A bar or shaft on which a wheel or wheels turn.</td></tr><tr><td>chassis</td><td>The frame that supports the body and engine in a vehicle.</td></tr></table>	Key vocab	Definition	axle	A bar or shaft on which a wheel or wheels turn.	chassis	The frame that supports the body and engine in a vehicle.
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axle	A bar or shaft on which a wheel or wheels turn.							
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To attach wheels to a chassis using an axle. 		product	Something made by means of either human work or that of a machine.
Web links https://www.youtube.com/watch?v=Lpey_cCqS_I (wheels and axles)	Experiences that could be provided at home Making model vehicles using recycled materials or construction toys. Exploring how their own toy vehicles are made, looking at a discussing the different parts and mechanisms.	purpose	A reason or plan that guides an action; design or goal.
		construct	To build; put together.
		mechanism	In a machine or piece of equipment, a mechanism is a part, often consisting of a set of smaller parts, which performs a particular function.