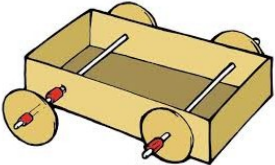




Subject: DT		Year group: 2 Term: Spring 1		Title: Explorers							
What should I know? - How to use simple tools safely and appropriately - How to construct with a purpose in mind - How to select the materials I need for building and joining - How to select different materials for different purposes - 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		Experiences that school may provide:		<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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explain and develop their designs • To develop more than one idea making different choices of materials • To use the appropriate joins for different materials • To use a range of materials to create models with wheels • To cut dowel using hacksaw and bench hook • To attach wheels to a chassis using an axle 	• The opportunity to explore a range of toy vehicles • Investigating vehicles on different surfaces 	
Web links https://www.youtube.com/watch?v=5cKpzp358F4 (Video of a moon buggy in action) https://www.youtube.com/watch?v=ndT35aqDfAQ (Video that explains the purpose of an axle)	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	