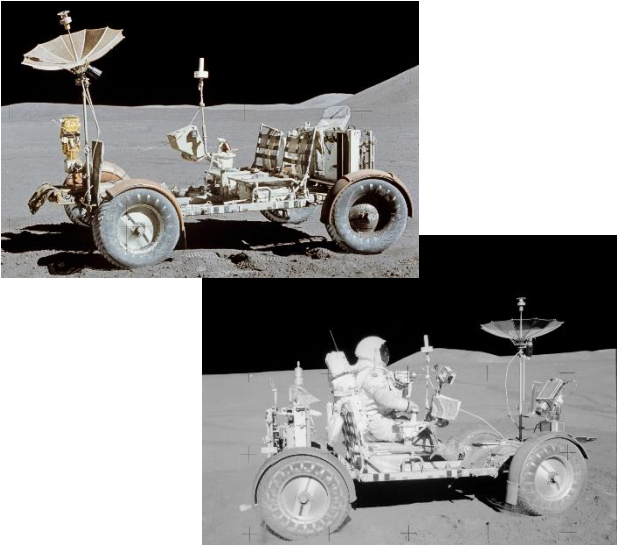
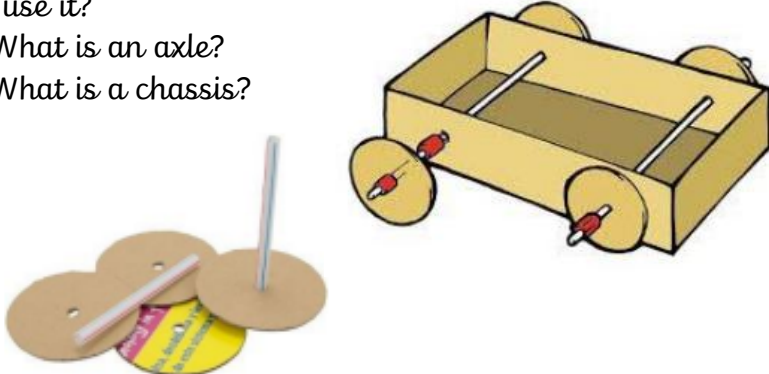
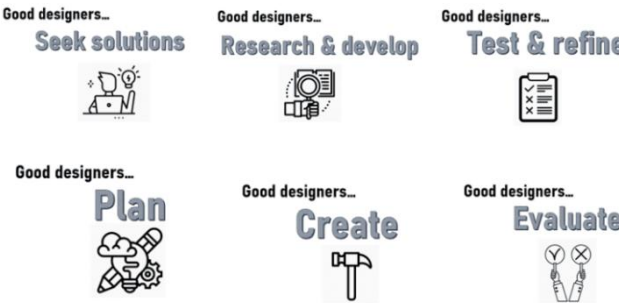


<p>Subject: Design and Technology</p>	<p>Year Group: 2 Term: Spring 1</p>	<p>Title: Explorers</p>												
	<p>Key Knowledge</p> <ul style="list-style-type: none"> • Know what an axle is and its purpose in the design and construction of vehicles. • Know that the prototypes must be tested to identify strengths and weaknesses. • Know that designers often plan and create more than one prototype. • Know that a range of materials can be used for the same purpose and that the most suitable material must be chosen. • Know what an axle and chassis is. 	<p>Key Questions</p> <ul style="list-style-type: none"> • 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? 												
<p>Key Skills</p> <ul style="list-style-type: none"> • To use pictures and words to explain and develop their designs. • Select the appropriate materials and tools to create models with wheels. • 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. • To attach wheels to a chassis using an axle. 	<p>A Good Designer...</p> 	<p>Key Vocabulary and definitions</p> <table border="1"> <tr> <td>Axle</td> <td>A bar on which wheels turn.</td> </tr> <tr> <td>Chassis</td> <td>The frame that supports the body of a vehicle.</td> </tr> <tr> <td>Prototype</td> <td>An original model that is later developed.</td> </tr> <tr> <td>Product</td> <td>Something that is made and created.</td> </tr> <tr> <td>Purpose</td> <td>A reason or plan to design and create something.</td> </tr> <tr> <td>Construct</td> <td>To build.</td> </tr> </table>	Axle	A bar on which wheels turn.	Chassis	The frame that supports the body of a vehicle.	Prototype	An original model that is later developed.	Product	Something that is made and created.	Purpose	A reason or plan to design and create something.	Construct	To build.
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