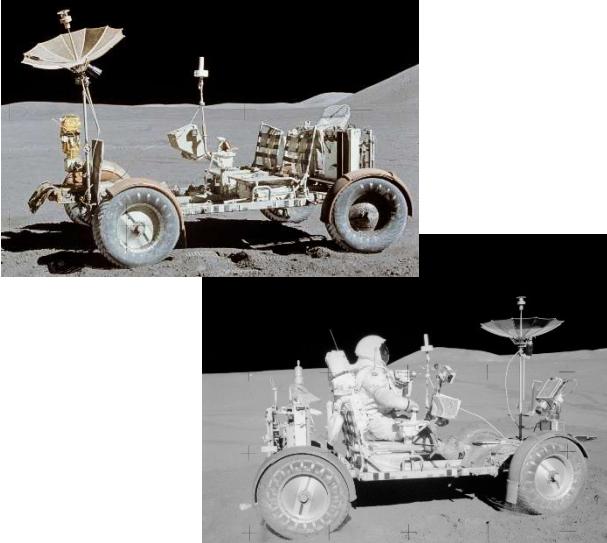
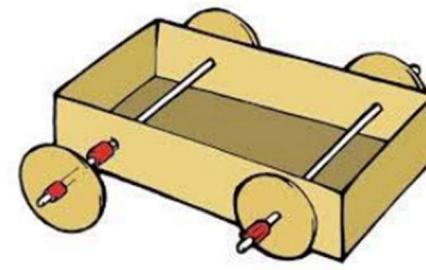


Subject: Design and Technology	Year Group: 2	Term: Spring 1	Title: Explorers											
	<p>Key Knowledge</p> <ul style="list-style-type: none"> • Know what an axle is and its purpose in the design and construction of vehicles. • Know that the prototypes must be tested to identify strengths and weaknesses. • 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> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div> <p>Good designers...</p> <p>Seek solutions</p>  </div> <div> <p>Good designers...</p> <p>Research & develop</p>  </div> <div> <p>Good designers...</p> <p>Test & refine</p>  </div> <div> <p>Good designers...</p> <p>Plan</p>  </div> <div> <p>Good designers...</p> <p>Create</p>  </div> <div> <p>Good designers...</p> <p>Evaluate</p>  </div> </div>	<p>Key Vocabulary and definitions</p> <table border="1"> <tbody> <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> </tbody> </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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