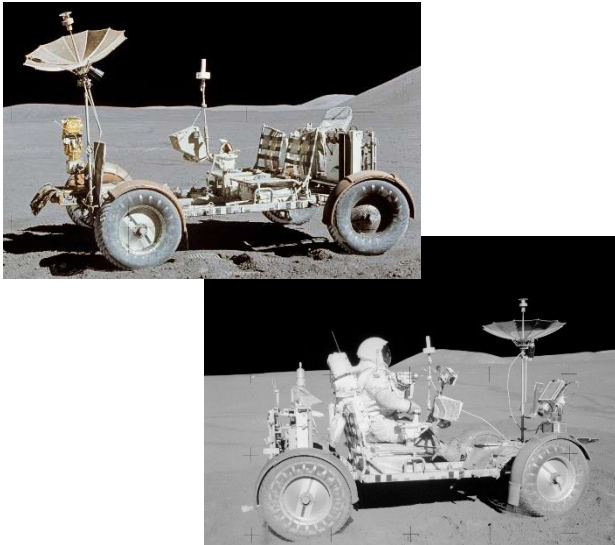
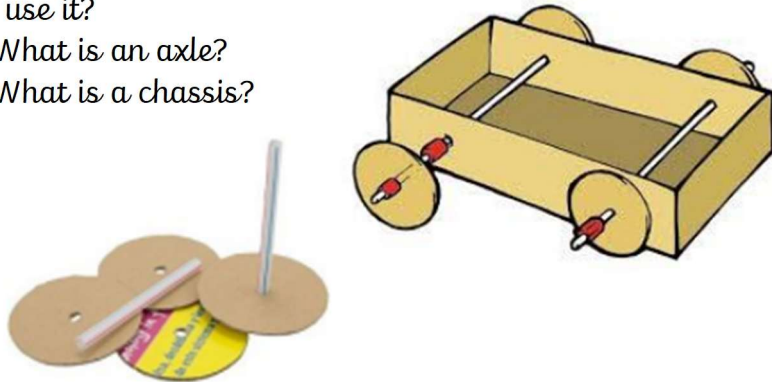








<div>Subject: Design and Technology</div> <div></div>	<div>Year Group: 2Term: Spring 1</div> <div>Key Knowledge<ul style="list-style-type: none">• Know what an axle is and its purpose in the design and construction of vehicles.• Know that the prototypes must be tested to identify strengths and weaknesses.• 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.</div>	<div>Title: Explorers</div> <div>Key Questions<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?</div> <div></div>												
<div>Key Skills<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.</div>	<div>A Good Designer...</div> <div><div><div>Good designers...</div><div>Seek solutions</div><div></div></div><div><div>Good designers...</div><div>Research & develop</div><div></div></div><div><div>Good designers...</div><div>Test & refine</div><div></div></div><div><div>Good designers...</div><div>Plan</div><div></div></div><div><div>Good designers...</div><div>Create</div><div></div></div><div><div>Good designers...</div><div>Evaluate</div><div></div></div></div>	<div>Key Vocabulary and definitions</div> <table><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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