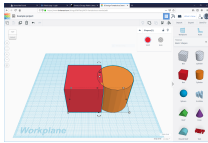
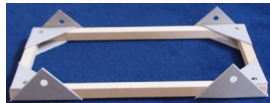
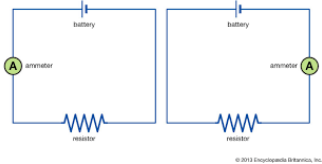

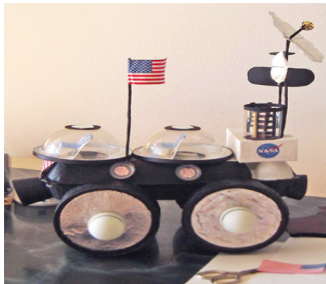





# UKS2 Design Technology Knowledge Organiser

## Worlds of Wonder

Key Knowledge and Skills		Key Vocabulary																				
<p>You will:</p> <p>Generate ideas and create a 3D design using CAD.</p>   <p>Make a Frame</p> <p>Add a circuit to power the vehicle</p>  <p>Add mechanisms - pulley</p>   <p>Test and evaluate your product</p> 		<table><tr><th>Word</th><th>Definition</th></tr><tr><td>Pulley</td><td>a grooved wheel over which a drive belt can run</td></tr><tr><td>Drive belt</td><td>the belt which connects and transfers movement between two pulleys</td></tr><tr><td>Rotation</td><td>the action of rotating around an axis or centre.</td></tr><tr><td>Axle</td><td>a central shaft for rotating wheels</td></tr><tr><td>Bearing</td><td>this retains the axle in position whilst allowing it to rotate</td></tr><tr><td>Series circuit</td><td>a circuit with only one possible path for the current</td></tr><tr><td>Short circuit</td><td>an incorrect route in a circuit which misses out certain components and can cause the circuit to fail</td></tr><tr><td>CAD</td><td>Computer Aided Design</td></tr><tr><td>CAM</td><td>Computer Aided Manufacture software is used to programme and control computer-aided machinery to automate the process</td></tr></table>	Word	Definition	Pulley	a grooved wheel over which a drive belt can run	Drive belt	the belt which connects and transfers movement between two pulleys	Rotation	the action of rotating around an axis or centre.	Axle	a central shaft for rotating wheels	Bearing	this retains the axle in position whilst allowing it to rotate	Series circuit	a circuit with only one possible path for the current	Short circuit	an incorrect route in a circuit which misses out certain components and can cause the circuit to fail	CAD	Computer Aided Design	CAM	Computer Aided Manufacture software is used to programme and control computer-aided machinery to automate the process
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