

Forces UKS2 Year A		
Curriculum Area	Learning Objective	Example Tasks
Design and Technology	<p>Describe the purpose of their product.</p> <p>Point out the design features that will appeal to their user.</p> <p>Use surveys, interviews, questionnaires and the internet to research the needs and wants of possible users.</p> <p>Explain how the different parts work.</p> <p>Produce annotated sketches, cross sectional drawings, exploded diagrams to develop, improve and communicate their ideas.</p> <p>Model their design ideas.</p> <p>Use computer aided designs.</p> <p>Generate original and creative ideas based on their research</p> <p>Consider time, cost and resources.</p> <p>select tools and equipment for the task, considering skills and techniques needed.</p> <p>Select materials and components.</p> <p>Explain their choices.</p> <p>List tools, equipment and materials needed.</p> <p>Plan step-by-step stages to make the product.</p> <p>Work safely and hygienically.</p> <p>Use a range of materials and components including construction kits</p>	<p>Make a moving vehicle powered by a battery and controlled by computer – Crumble Kit.</p>

	<p>Can identify strengths and areas for development of the finished product.</p> <p>Consider the quality of the design, manufacture and purpose of the finished product.</p> <p>Evaluate design ideas and finished product against the design criteria.</p>	
English		The man who walked the towers
RE	<p>Be aware of holy books from different religion.</p> <p>Consider how religions may feel about their holy books.</p> <p>Explain why the bible is important to Christians.</p> <p>Explain how Muslims show respect for the Qur'an.</p> <p>Compare similarities and differences of holy books from different religions.</p>	Explore the reliability of sources of authority for believers in Christianity and Islam.
Science	<p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.</p> <p>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.</p> <p>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</p>	<p>Definitions of Weight/Gravity</p> <p>Ball drop experiment</p> <p>Surface experiment</p> <p>Parachute experiment</p> <p>Dropping plasticine shapes</p> <p>Pulleys/levers</p> <p>Gears</p>