






Year 5 Design and Technology Implementation

These statements are used to assess the impact of our teaching intention and the progress of the children during their learning journey.

	Autumn	Spring	Summer
Theme	 <p>Fairground Rides and Mechanisms</p>	 <p>Mayan Logographs</p>	 <p>Powered Rescue Robot</p>
	<p>I can investigate and analyse the different directions of motion in fairground rides.</p> <p>I can experiment with mechanical systems.</p> <p>I can select the appropriate tools to build my fairground ride.</p> <p>I can install a mechanism into my fairground product.</p>	<p>I can research the language of the Mayans.</p> <p>I can design a decorative temple façade to communicate a message.</p> <p>I can form my own Mayan logographs.</p> <p>I can add authentic colours to my logographs.</p> <p>I can finalise and evaluate my temple façade.</p>	<p>I research the purpose and use of rescue robots and can design my own.</p> <p>I can select the appropriate tools and materials for the chassis for my powered vehicle.</p> <p>I can choose the appropriate tools and methods for making my powered rescue robot.</p> <p>I can test, evaluate and fine tune my vehicle.</p> <p>I can evaluate the effectiveness of the vehicle.</p>
Artists	Fred Fowle – Fairground Ride Artwork	Ancient Mayans Revision of the work of Michaelangelo	Joseph Engelberger – ‘The Father of Robotics’ and the ‘Unimate’ robot he developed.
Skills and vocabulary	<p>I can generate ideas through brainstorming and identify the purpose of the product.</p> <p>I can draw an initial design specification including accurate labels.</p> <p>I can select appropriate tools for the construction of my fairground ride.</p> <p>I can assemble components effectively to make a working model.</p>	<p>I can use research from ICT to develop design ideas.</p> <p>I can use tools accurately to carve finishing details.</p> <p>I can refer back to my original plan to evaluate my product.</p> <p>I can discuss my completed product with others to identify improvements.</p>	<p>I can plan an appropriate order for work to be carried out.</p> <p>I can build on my evaluations from earlier projects to decide upon further improvements to my own techniques.</p> <p>I can make modifications throughout the construction process following evaluations.</p> <p>I can evaluate my product against my original specification.</p>