



# Design Technology Curriculum Long Term Overview

		Autumn	Spring	Summer
EYFS	Nursery			
	Reception			
Key Stage 1	Year 1 (Cycle A)	<b>Technical Knowledge Mechanisms</b> Explore mechanisms and how things work e.g. push, pull, slide, gears (link to technology now and then topic)	<b>Design, Make &amp; Evaluate Materials</b> Design and make a shopping bag for Manchester shoppers QCA (link to science & Manchester topic)	<b>Technical Knowledge Construction</b> Explore to make buildings stronger and sturdier (link to Great Fire of London topic - rebuilding London)
	Year 2 (Cycle B)	<b>Food Technology</b>  (link to science - food for being healthy & good hygiene)	<b>Design, Make &amp; Evaluate Materials</b> Design & make a raincoat for teddy STEM (link to science & working scientifically)	<b>Technical Knowledge Mechanisms</b> Make a moving Chinese dragon with a lever. (link to China topic)
Lower Key Stage 2	Year 3 (Cycle A)		<b>Food Technology Technical Knowledge</b> Design & make food Create packaging for food QCA (link to geography food topic)	<b>Technical knowledge Mechanisms</b> Create a roman chariot with wheel mechanism and cam mechanism soldier in it.
	Year 4 (Cycle B)	<b>Technical Knowledge Mechanisms</b> Create a Norse mythological creature with a moving part that can be manipulated with a mechanism e.g. inflating balloon/pulley. Moving parts inside a story book.	<b>Technical knowledge Electrical Control</b> Make a torch QCA (link to science)	<b>Technical Knowledge Mechanisms</b> Design & make a sarcophagus with a hinge mechanism. (link to Egyptian topic)
Upper Key Stage 2	Year 5	<b>Technical Knowledge Construction</b> Using Ancient Greece architecture as inspiration, place structures on to difference surfaces. Investigate which material, structure & surface is best STEM (link to science and Ancient Greeks topics)	<b>Make, Design &amp; Evaluate Construction</b> Design & make a planet mobile using marbling technique for decorating the planets.	<b>Food Technology</b> Make bread and pizzas.
	Year 6	<b>Food Technology</b>  (Link to science and nutrition)	<b>Technical Knowledge Electrical &amp; computer control</b> Make controllable vehicles QCA (Link to electricity)	<b>Design, Make &amp; Evaluate</b> Design & make a tapestry using felt & sewing techniques (link to Industrial Revolution)