

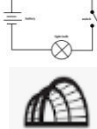


DT CURRICULUM MAP – Y6

6	Autumn		Spring		Summer	
		Mechanisms – Cam Toys		Textiles - Weaving		Structures and Electrical
Brief	To design a moving toy using Cams		To design and construct a bag		To design and make a replica WWII Anderson shelter with a light.	
Skills	<ul style="list-style-type: none"> • Investigate how cams change movement • Understand different types of movement • Know that different shaped cams produce different movements • Know that a cam will change a rotary movement into a linear motion • Understand mechanical systems • Formulate step by step plans • Design toy using cams • Measure, cut and join materials • Select and use tools accurately • Accurately assemble and finish products well 		<ul style="list-style-type: none"> • Design and plan a textile • Make fabric/products by interlacing pieces of materials • Combine materials using joining techniques such as pin, sew, stitch. • Annotate designs • Experiment with a variety of techniques • Create a visually decorated textile with a specific purpose 		<ul style="list-style-type: none"> • Design a product which is fit for purpose • Generate annotated sketches • Select and use a range of tools • Accurately cut, finish and join • Apply knowledge of how to strengthen joins • Understand and use electrical systems in their design • Use electrical circuits to create functional product • Know how to reinforce 3D framework • Evaluate own work and suggest ideas 	
Vocabulary	Cam, snail cam, peg cam, pear shaped cam, follower, axle, shaft, crank, handle, framework, rotation, rotary motion, linear motion, mechanical system, input movement, design, function, user, purpose.		Weave, weaving loom, loom, warp, wool, interlace, join, fabric, technique, back-strap, God’s Eye, sew, stitch, running stitch, thread, needle, eye, string, design, function, user, purpose.		Series circuit, parallel circuit, input/output, control boxes, program, control, monitor, bulb, circuit, circuit symbol, switch, battery, assemble, prototype, LED, frame structure, strengthen, design, function, user, purpose.	
Inventor	In 1738 Frenchman Jacques de Vaucanson invented one of the first mechanical robots - a duck that was able to eat wheat, drink and excrete.		Christian Ernest Dior was a French fashion designer and founder of one of the world's top fashion houses, Christian Dior SE. His fashion house is known all around the world, having gained prominence "on five continents in only a decade		The Morrison shelter, officially termed Table (Morrison) Indoor Shelter, had a cage-like construction beneath it. It was designed by John Baker and named after Herbert Morrison, the Minister of Home Security at the time.	