Progression ladder DT		
UKS2	I can use cams to convert a rotary motion to a linear motion.	
0832	I can create a moving vehicle using a motorised mechanism	
	attached to an axle	
	I can use circuits that include at least two components to create a	
	moving 'ride' using a motorised mechanism and lights.	
	I can join wooden parts together to make them structurally sturdy.	
	I can cut materials with precision and refine the finish with	
	appropriate tools such as a sander.	
	I can create cross-sectional diagrams to create a design.	
	I can accurately measure and calculate ratio of ingredients to scale	
	up and down from a recipe.	
LKS2	I can use pneumatic systems to create a monster.	
	I can use an electronic system within a product.	
	I can create a simple tapestry using a variety of stitches	
	I can use scientific knowledge of levers and transference of forces	
	to choose an appropriate mechanism	
	I can cut materials with accuracy to the nearest mm	
	I can describe my product using an accurately labelled diagram.	
	I can follow a recipe	
KS1	I can create a product using a wheel and an axle.	
K)I	I can make a simple moving toy using paper and joining and cutting	
	techniques.	
	I can use a range of cutting and shaping techniques such as tearing,	
	cutting and folding.	
	I can use materials to practise drilling, screwing, gluing and nailing	
	materials to strengthen products.	
	I can cut materials with accuracy to the nearest cm	
	I can make a basic structure using simple strengthening techniques	
	such as gluing and combining materials to strengthen.	
	I can show an understanding of safety when cooking ingredients.	
EYFS	I can manipulate materials to achieve a planned effect.	
EYFS	I can construct with a purpose in mind, using a variety of resources.	
	I can use simple tools and techniques competently and	
	appropriately.	
	I can select tools and techniques needed to shape, assemble and	
	join materials I am using.	
	<u>, , , , , , , , , , , , , , , , , , , </u>	

STEM	Knowledge builder / Skills ladder DT
KS1	Food technology
	To use paper to create moving pictures
	To select correct materials to make a kite that flies
	To make a car garage with a strong structure and
	fulfilling a design brief
	To understand hand hygiene
LKS2	Food technology
	To use junk material to build a simple bridge
	To create a simple pop up book
	To make a torch using a variety of circuits and for a
	variety of purposes
	To understand tooth hygiene
	Food to shool any
UKS2	Food technology
	To build a specific type of bridge to hold a weight –
	arch, suspension, truss
	To use invisible joining stitches to make a 'cushion'

To create a story book using a moving mechanism
To use a variety of switches to create a burglar alarm
To understand the importance of personal hygiene