

D&T Knowledge & Technical Skills – Year 3 (Pupils will know....)

	Mechanisms Interactive UK Poster (levers and linkages)		Cooking & Nutrition The Perfect Pizza		Textiles Victorian Puppet Show	
		Vocab		Vocab		Vocab
Knowledge	<ul style="list-style-type: none"> Know how levers and linkages can be used to create different, more complex movements. Know that In a <u>lever and linkage mechanism</u>, the ‘input’ is where the user pushes or pulls a card strip. The ‘output’ is where one or more parts of the picture move. Know that In a <u>lever and linkage mechanism</u>, the ‘input’ is where the user pushes or pulls a card strip. The ‘output’ is where one or more parts of the picture move. Know how to measure, mark out, cut and join card and paper to create mechanisms of a certain size 	Loose/fixed pivot System Input Output Process Motions: Rotary Linear Reciprocating Oscillating	<ul style="list-style-type: none"> Know where and how a variety of ingredients are grown and harvested. Know how to work safely and hygienically in the kitchen. Know how to hold ingredients securely whilst cutting them and some of the safe techniques used to cut. Know how to combine ingredients based on texture, appearance and taste. Know the importance of making a product that they will enjoy. 	Texture Taste Appearance Preference Greasy Moist Fresh Savoury Hygienic Edible Grown Reared Caught Frozen Tinned Processed Seasonal Harvested	<ul style="list-style-type: none"> Know what changes have been made within textile production and products, comparing old with new. Know a wider range of stitching techniques, including back stitch and over-sew stitch. Know how to incorporate research into creating an annotated design. Know about the importance of creating a plan to achieve a desired outcome. 	Fastening Compartment Zip Finishing technique Function Prototype Back stitch Felted Woven Knitted Bonded
Technical Knowledge & Skills	<ul style="list-style-type: none"> I can select the most appropriate tools and techniques to use for a given task. I can make a product which uses mechanical components. I can use a number of components. I can use the most appropriate materials. I can work accurately to make cuts and holes. I can join materials. 		<ul style="list-style-type: none"> Know that climate affects food growth Know that imported foods travel from far away and this can negatively impact the environment Know that vegetables and fruit grow in certain seasons Know that each fruit and vegetable gives us nutritional benefits Know how to use, store and clean a knife safely 		<ul style="list-style-type: none"> Know how to thread needles with greater independence Know how to tie nots with greater independence Know how to sew a cross stitch and appliqué Understand the need to count the thread on a piece of even weave fabric in each direction to create uniform size and appearance Understand that fabrics can be layered for affect 	<ul style="list-style-type: none"> I can join textiles of different types in different ways. I can choose textiles both for their appearance and also their qualities. I can think of what the user would want when choosing textiles. I have thought about how to make my product strong. I can devise a template. I can explain how to join things in a different way. I can work accurately to make cuts and holes. I can use finishing techniques.

D&T Skills		
Design	Make	Evaluate
<ul style="list-style-type: none"> I can show that my design meets a range of requirements. I can put together a step-by-step plan which shows the order and also what equipment and tools I need. I can describe my design using an accurately labelled sketch and words. I can make a plan that is realistic. 	<ul style="list-style-type: none"> I can use equipment and tools accurately. I can prepare myself and a work-space to cook safely in, learning the basic rules to avoid food contamination. I can follow the instructions within a recipe. 	<ul style="list-style-type: none"> I can explain what I have changed which made my design even better. Establishing and using design criteria to help test and review. I can investigate how things work. I can say how to improve my design.