Design & Technology

Design and Technology										
Structures										
	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10
Design	To use gestures, talking and arrangements of materials to show design	To use contexts and designs set by the teacher and myself	To begin to develop ideas through talk and drawings	To explain what a product is for, and how it will work	To research, and be shown, similar existing products	To design products for myself and others following a design criteria	To use pictures and words to plan, begin to use models	To explain what I want to do and describe how I will do it	To describe a design using pictures, words, models, diagrams, begin to use ICT	To choose best tools and materials, and explain choices
Make	To be able to experience a range of construction kits, wooden blocks etc to construct with a purpose	To be able to explore a range of basic tools e.g. scissors or hole punches with construction materials e.g. plastic, card	To be able to experience a range of different methods of joining card and paper	To be able to select and use tools, skills and techniques suitable for the task, explaining their choices	To be able to measure, mark out, cut and shape, with support	To be able to select materials and develop an idea so that a structure is strong and stable	To be able to use simple finishing techniques suitable for the structure being created.	To be able to join materials /components together in different ways and situations		
Evaluate & Analyse	To be able to adapt work if necessary	To be able to dismantle, examine, talk about exiting objects / structures	To be able to talk about how things work and look at similarities and differences between existing objects / materials / tools	To be able to talk about things / products that other people have made	To be able to talk about my work, linking it to what I was asked to do	To be able to begin to talk about what could make a product better, with support	To be able to explore how to make my structure stronger, stiffer and more stable	To be able to talk about existing products considering: use, materials, how they work, audience and where they might be used	To be about to talk about how successful my product was linked to the success criteria	To be able to talk about what I would do differently in the future and why
Mechanisms										
	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10
Design	To use gestures, talking and arrangements of materials to show design	To use contexts and designs set by the teacher and myself	To begin to develop ideas through talk and drawings	To explain what a mechanism is for, and how it will work	To use research, and be shown, similar existing mechanisms and say how they are all different or the same	To design mechanisms for myself and others following a design criteria	To use pictures and words to plan, begin to use models of mechanisms	To explain what I want to do and describe how I will do it	To describe design using pictures, words, models of mechanisms, diagrams, begin to use ICT	To choose best tools and materials, and explain choices
Make	To be able to explore moving objects through play	To be able to experience simple cutting, shaping and joining skills using scissors, glue, paper fasteners and masking tape to allow movement	To be able to talk about how things move, including things that I have made e.g. a split pin allows movement	To be able to explore and experiment with a range of levers and slides	To be able to explore and experiment with a range of wheels and axels	To be able to use levers and sliders in their own products	To be able to begin to wheels and axels in their own products			

Design & Technology Continued

Mechanisms Continued

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10
Evaluate & Analyse	To be able to dismantle, examine, talk about exiting mechanism	To be able to talk about how things work and look at similarities and differences between existing objects / materials / tools	To be able to talk about other peoples mechanisms and how they work	To be able to talk about my work, linking it to what I was asked to do	To be able to begin to talk about what could make my mechanism better, with support	To be able to talk about existing mechanisms considering: use, materials, how they work, audience and where they might be used	To be about to talk about how successful my mechanism was linked to the success criteria	To be able to talk about what I would do differently in the future and why		

Cooking and Nutrition

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10
Design	To explore a range of cooking utensils, with support	To discuss how to make an activity safe and hygienic	To use an appropriate utensil to prepare a fruit or vegetable dish on a requirement	To pick appropriate food choices based on a healthy lifestyle e.g. not putting sprinkles in a healthy wrap	To explore food pairings based on taste / and or food group					
Make	To be able to experience cutting soft fruit and vegetables using appropriate utensils	To be able to practise stirring, mixing, pouring and blending	To be able to understand that eating well contributes to good design / task	To be able to say where some foods come from i.e. plant or animal	To be able to describe the differences between some food groups	To be able to cut, peel and grate safely with support	To be able to describe where food comes from and how it is farmed, home-grown and caught	To be able to use the basic principles of a healthy and varied diet to prepare dishes	To be able to cut, peel, grate, chop, mix, stir, pour and blend with confidence	
Evaluate & Analyse	To be able to talk about the foods that I like and dislike	To be able identify what is safe and not safe in a kitchen	To be able to identify what is hygienic and unhygienic in a kitchen	To be able to identify why a product was successful or not based on the combination of food groups used and how healthy they were	To be able to talk about the foods that I like and dislike based on flavours, textures, religion and personal choice	To be able to improve future products based on my evaluation				