Progression in	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
DT									
Knowledge,									
concepts and									
skills									
Designing	Share ideas a		Use own ideas to	Think of an idea	Prove that a	Use ideas	Come up with	Use market	Can reformulate
	create an ide	a	design something	and plan what to	design meets a	from other	a range of	research to	problems
Concepts:			and describe how	do next	set criteria	people	ideas after	inform plans	
Design,			their own idea works			when	collecting	and ideas	Can solve design
Technology,				Explain why	Design a	designing	information		problems
Data, Evaluate,			Design a product	specific materials	product and		from different	Follow and	
Functionality,			which moves	have been	make sure that	Produce a plan	sources	refine original	Understand user needs
Innovation				chosen	it looks	and explain it	_	plans	
			Explain to someone		attractive		Produce a	justify planning	Use a range of
			else how they want			Persevere and	detailed,	in a convincing	domestic, local and
			to make their		Choose a	adapt work	step-by-step	way	industrial contexts
			product		material for	when original	plan		
					both its	ideas do not		Show that	
			Create a simple plan		suitability and	work	Explain how a	culture and	_
			before making		its appearance		product will	society is	Can give reference to
						Communicate	appeal to a	considered in	and incorporate
						ideas in a	specific	plans and	different cultures
						range of ways,	audience	designs	
						including			
						annotating	Design a		
						drawings and	product that		
						sketches	requires		
							pulleys or		
20.11	- 1 1:55				F 11 .	1.1	gears	, I. I	
Making		ent materials,	Use own ideas to	Choose tools and	Follow a step-	Know which	Use a range	Know which	Can complete a range
	•	to investigate	make something	materials and	by-step plan,	tools to use	of tools and	tool to use for a	of creative and practical
Concepts:	them			explain why they	choosing the	for a particular			activities

Technology,		Make a product that	have chosen	right	task and show	equipment	specific practical	
Evaluate,	Make simple models which	moves	them	equipment and	knowledge of	competently	task	Use a variety of
Functionality,	express ideas			materials	handling the	, competent,		approaches to make
Innovation	Chp. cos la cas	Choose appropriate	Join materials		tool	Make a	Know how to	products
		resources and tools	and components	Select the most		prototype	use any tool	p. 6 a.a. 6 a.a.
			in different ways	appropriate	Know which	before	correctly and	Produce innovative,
				tools and	material is	making a final	safely	functioning and
			Measure	techniques for	likely to give	version		appealing products
			materials to use	a given task	the best		Know what each	appeaming products
			in a model or	a give in tue in	outcome	Make a	tool is used for	
			structure	Make a product		product that		
				which uses	Measure	relies on	Explain why a	
				both electrical	accurately	pulleys or	specific tool is	
				and mechanical	,	gears	best for a	
				components		geans.	specific action	
				Work				
				accurately to				
				measure, make				
				cuts and make				
				holes				
Technical	Create closed shapes with	Make a model	Use wheels and	Know how to	Link scientific	Links	Use electrical	Incorporate Biomimicry
Knowledge	continuous lines	stronger and more	axles	strengthen a	knowledge by	scientific	systems	into ideas and products
		stable	appropriately	product by	using buzzers	knowledge to	correctly and	·
Concepts:	Use shapes to represent			stiffening a		design by	accurately to	Use iterative processes
Design,	objects	Use sliders and		given part or	Use electrical	using pulleys	enhance a given	·
Technology,		levers appropriately		reinforce a part	systems to	or gears	product	
Evaluate,				of the structure	enhance the			
Functionality,					quality of the	Use a more	Know which IT	
Innovation				Use a simple IT	product	complex IT	product would	
				program within		program to	further enhance	
				the design	Use IT, where	help enhance	a specific	
					appropriate,	the quality of	product	
					to add to the	the product		
					quality of the	produced	Use knowledge	
					product		to improve a	

							made product by strengthening, stiffening or reinforcing	
Food Technology Concepts: Design, Nutrition, Technology, Evaluate, Functionality	Identify fruits and vegetables	Cut food safely	Weigh ingredients to use in a recipe Describe the ingredients used when making a product	Describe how food ingredients come together Weigh out ingredients and follow a given recipe to create a dish Talk about which food is healthy and which food is not Know when food is ready for harvesting	Know how to be both hygienic and safe when using food Bring a creative element to the food product being designed	Be both hygienic and safe in the kitchen Know how to prepare a meal by collecting the ingredients in the first place Know which season various foods are available for harvesting	Explain how food ingredients should be stored and give reasons Work within a budget to create a meal Understand the difference between a savoury and sweet dish	Understand food hygiene and safety Use the most appropriate tools for cooking Understand nutritional value Identify food sources and availability Use sensory/organoleptic evaluation

Subject	Concept lens'	Explanation					
	Design	A plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made.					
	Nutrition	The nourishment or energy that is obtained from food consumed or the process of consuming the proper amount of nourishment and energy. An example of nutrition is the nutrients found in fruits and vegetables. An example of nutrition is eating a healthy diet.					
	Technology	Technology is science or knowledge put into practical use to solve problems or invent useful tools.					
Design & Technology	Data	Data is "known facts". It especially refers to numbers, but can also mean words, sounds, and images too. Originally, data is the plural of the Latin word datum which means "give".					
o,	evaluate	To evaluate is the act or the result of evaluating a situation that requires careful consideration to determine the value, nature, character, or quality of something.					
	functionality	The quality or state of being functional. A design that is admired both for its beauty and for its functionality: the set of functions or capabilities associated with something.					
	innovation	The process of making (something) new or doing something in a new way. <i>Innovation</i> also has to include the concept of improvement; to <i>innovate</i> is not just to do something differently, but to do or make something better.					