

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		Evalu	Jating	•	
-I know what a product is -I can say what a product is for -I can describe a product (who is it for, what is made from, how is it made, how it works)	-I know the features of familiar products -I can give reasons for some features (colour choice, material used, joining technique)	-I can start to research and evaluate existing products -I understand that products are designed for a purpose (e.g. a problem, an audience, an event)	-I can research and evaluate existing products to inform me in my own planning -I understand that products are designed for a purpose (e.g. a problem, an audience, an event)	-I can research and evaluate existing products giving reasons for the decisions of the designers (materials, design, tools, techniques) -I can use the ideas from current designers to help me with my own	-I can research and evaluate existing products giving reasons for the decisions of the designers (materials, design, tools, techniques) -I can use the ideas from current designers to help me with my own
-I can talk about my own work (features, design, opinion) -I describe how my product works	-I talk about my own and others' work (features, design, opinion) -I can explain why I chose certain materials, techniques and tools -I describe how my product works	-I talk about my own and others' work (features, design, opinion) -I can explain why I chose certain materials, techniques and tools - I can say what I would do to improve my product	-I identify what is working well and what can be improved (this is during the make as well as at the end)	-I reflect on my designs and develop them bearing in mind the way they will be used (during the process)	-I reflect on my designs and develop them bearing in mind the way they will be used (during the process)

Knowledge of Designers			
-I know what a designer does	-I know some designers from history	-I know how key events and individuals have	
-I know the names and the products of some British	-I know some international designers	influenced the world (in terms of products)	
designers	-I can talk about some of the tools, techniques and	-I can compare and contrast the work of different	
-I can say what I like and dislike about the product	design used by the designer	designers (e.g. historical and modern)	
and the designer		-I can give reasons for the decisions made by the	
_		designer	



		Desi	gning		
-I think of ideas and	-I think of ideas and	-I think of ideas and plan	-I think of ideas and plan	-I use my knowledge of	-I use my knowledge of
with help can put them	with help can put them	what to do next, based	what to do next, based	design and designers and	design designers and
into practice	into practice	on what I know about	on what I know about	further research to help	further research to help
-I know what a design is	-I know what a design is	materials and	materials and	influence my own design	influence my own design
and its purpose	and its purpose	components	components	-I can create models or	-I can create models or
-I use pictures and	-I use pictures and	-I select the appropriate	-I select the appropriate	prototypes to show	prototypes to show
words to describe what I	words to describe what I	tools, techniques and	tools, techniques and	aspects of my design	aspects of my design
want to do (materials	want to do (materials,	materials	materials explaining my	-I produce step by step	-I produce step by step
and tools)	techniques, features-	-I can plan using specific	choices	plans	plans
	mechanics etc. and tools)	materials and explain my	-I communicate my ideas	-I can use computer	-I can use computer
		choice	using labelled sketches	aided design	aided design
		-I use pictures and	giving reasons for my	-I come up with solutions	-I can take part in
		words to describe what I	choices	to problems as they	technical discussions
		want to do (materials,	-I start to produce step	happen.	about my ideas
		techniques, features-	by step plans		-I come up with solutions
		mechanics etc. and tools)			to problems as they
					happen.

Making (Skills are over two years of progress as learners will not have the opportunity to do each type on an annual basis)

Construction			
-I know what materials I can use for my structure	-I can use appropriate materials and an appropriate	I select from a variety of materials best suited to	
-I know what a join is and can use one	join	my design	
-I measure and mark out materials with care and	-I measure and mark out materials with care and	I measure using mm and then use scoring, and folding	
increasing accuracy	increasing accuracy (cm)	to shape materials accurately.	
-I cut materials safely (scissors, junior hacksaw)	-I can use scoring and folding to shape materials	I make cuts accurately and reject pieces that are	
-I am careful to make my work look as neat as	accurately	not accurate and improve my technique.	
possible	-I make cuts accurately (scissors and saws)	My joins are strong and stable, giving extra strength	
-I have found out how to make materials for my	-I make holes accurately (drill, punch)	to my products.	
structure stronger (folding, rolling and joining,	-I join materials to make products using both	Some joins are flexible to allow for dismantling or	
columns and triangles)	permanent and temporary fastenings	folding.	



Fillinary School		
	-My methods of working are increasingly precise	My methods of working are precise so that products
	aiming for a high quality finish	have a high quality finish.
	-I use art skills to apply texture and design to my	I can use computer programming when creating a
	products	product

Mechanics and (KS2) Electrics			
I have explored how moving objects work.	I know the application of mechanisms to create	I have chosen components that can be controlled by	
I have looked at wheels, axels, turning mechanisms,	movement.	switches or by ICT equipment.	
hinges and simple levers.	I combine a number of components well in my	My product is improved after testing.	
I have made a product that moves using a turning	product.	I use my science skills (resistance, batteries in	
mechanism (e.g. wheels, winding) or a lever or a hinge	I use simple circuits to either illuminate or create	series or parallel, variable resistance to dim lights or	
(to make a movement)	motion.	control speed) to alter the way my electrical	
	I have made a product that uses both electrical and	products behave.	
	mechanical components.	I use precise electrical connections.	
	My product has a good finish so that a user will find	I have explored mechanical movement using	
	it both useful and attractive.	hydraulics and pneumatics.	
		I use other DT skills to create housings for my	
		mechanical components.	
		My product is well finished in a way that would	
		appeal to users	

Textiles				
I know that textiles have different properties:	I select the appropriate textile(s) for my product.	My products have an awareness of commercial		
touch, insulation, texture and waterproof. I select	I use sharp scissors accurately to cut textiles.	appeal.		
the appropriate textile so that it does the job I	I know that the texture and other properties of	I experiment with a range of materials until I find		
want it to.	materials affect my choice	the right mix of affordability, appeal and		
I can describe textiles by the way they feel.	My textile work incorporates the views of intended	appropriateness for the job.		
I have altered a textile to make it stronger.	users' and for the purpose.	I combine art skills to add colour and texture to my		
I have made a product from textiles.	I use my art textiles skills such as stitching to help	work.		
I can measure, mark out and cut fabric.	create a product that is sturdy and fit for purpose.	I mark out using my own patterns and templates		
I can join fabrics using glue and running stitch.	I combine materials to add strength or visual appeal	I join textiles using art skills of stitching,		
I make sure my work is neat and tidy.	My textile products include structural changes, such	embroidering and plaiting to make a durable and		
	as plaiting or weaving to create new products such as	desirable products.		
	rope, belts, bracelets etc.			

Design Technology Learning Progression



	Cooking and nutrition	
-With help, I can use knives safely	-I can select ingredients for my product with	-I can explain why I have chosen ingredients in a
-I use a mixing bowl	reasons	dish
-I am aware of hygiene for cooking	-I work in a safe, hygienic way	-I know why I need certain food types
-I know some things are made and some things are	-I am beginning to measure out my ingredients	-I know I can grill, boil, fry and bake to cook
natural	-I understand what is healthy and unhealthy	-I know about local produce
-I know some things are dangerous to eat raw	-I know I can boil and bake to cook	-I understand seasonality and this affects food
-I know heat changes food	-I understand why we need a healthy diet	-I know where different crops can be found around
I can use a variety of utensils safely	-I use my knowledge of the food groups to plan a	the world
I know what the food groups are	lunch	-I understand the concept of carbon footprints
I know where some foods come from	-I know where food comes from	-I know different cultures have different diets
-I am aware there are different ways to cook	-I can prepare a healthy lunch	-I can design and prepare a healthy dinner
-I can prepare a healthy snack and breakfast		