Design Technology Long Term Plan Overview KS1

Cycle A 2022/23			Spring				Summer					
Theme Title			To	oy Story	A Long, Long, Long Time Ago		Ame	elia Earhart	Down in the Garden		Seaside	
Design Technology Study Title	Make a vehicle			Structures				Stitch a hat				
Suggested Product	Product	Purpose		User	Product	Purpos	Purpose User		Product	Purpose	User	
Teachers can change the product to	A vehicle	To explo	ore	An	A bug hotel	Provid	e a	Α	A sunhat	To protect a	A teddy	
fit their students		the		explorer		habitat	nt for minibeast	minibeast		bear from th	e bear	
		desert/f	forest			bugs				sun		
Area of Focus	Workshop -	Mechan	nisms	and	Workshop -	Struct	ures		Textiles			
	Mechanical	Systems	S									
	- design purposeful, functional, appealing products for themselves and other users based on design criteria - generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing - select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics - explore and evaluate a range of existing products - evaluate their ideas and products against design criteria - explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products				-Explore hos strongerInvestigate stiffening a restructures to Join appropriate apeMark out memplateUse a glue supervision.	differe variety ent met o rema oriately nd situa nateria	ent tec of ma thods in stal of for di ations	chniques for aterials. of enabling ble. ifferent e.g. glue, e cut using a	- design purposeful, functional, appealing products for themselves and other users based on design criteria - generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing - select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics - explore and evaluate a range of existing products - evaluate their ideas and products against design criteria			

Cycle B 2023/24		Autum	n		Spring		Summer			
Theme Title	Fire and Ice		Pirates	Where the Wild Things Are		The Wright Brothers	Field to I	Fork	Wonderful World	
Design Technology Study Title	Moving parts book				Sturdy Sł	nelters	Fantastic Food			
Suggested Product Teachers can change the product to fit their students	Product Illustration with moving parts	Purpose Support a written descriptio	User KS1 Child	Product A shelter	Purpose Protect from wind and rain	User The Wild Things	Product A picnic	Purpose Use items from the field	User KS1 child	
Area of Focus	Workshop - Mechanical		sms and	·	- Structures		Cooking an	Cooking and Nutrition		
Skills to be built upon	drawing, tempappropriate, in communication - select from a equipment to example, cuttifinishing - select from a materials and construction in ingredients, accharacteristics - explore and a products - evaluate their design criteria - explore and a explore a explore and a explore a explore and a explore and a explore and a explore a	oducts for the seed on design evelop, mode their ideas in plates, mock information in technologism duse a raperform praing, shaping and use a we component in the coording to its evaluate a resign in the second in the coording to its evaluate a resign in the second in	nemselves and gn criteria el and hrough talking, -ups and, where and y. nge of tools and actical tasks [for joining and de range of s, including ktiles and	strongerInvestigate stiffening a -Test differ structures f -Join appro materials a tapeMark out i template.	variety of nent method to remain st priately for nd situation materials to	echniques for naterials. s of enabling able. different s e.g. glue, be cut using a	- design purposeful, functional, appealing products for themselves and other users based on design criteria - select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing - select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics - evaluate their ideas and products against design criteria - use the basic principles of a healthy and varied diet to prepare dishes			

Cycle C 2024/2025			Spring				Summer						
Theme Title Design Technology Study Title	Funnybones War and Remembran		nembrance		Pole to Pole		Armstrong - Moon Landings	Fairy Tales		Castles			
Design reclinology study fitte	Autumn smoothles				Puppets				Building Homes (Link to science- testing materials)				
Suggested Product Teachers can change the product to fit their students	Product Smoothie	Purpose Autumn fruit and	nal	User Adult	Product Purpose A finger To bring a puppet story to like Purpose A KS2 ch		User A KS2 child	Product A slide	Purpose The fastes slide	User t A small world figure			
Area of Focus	cooking and Nutrition - design purposeful, functional, appealing products for themselves and other users based on design criteria - select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing - select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics - evaluate their ideas and products against design criteria - use the basic principles of a healthy and varied diet to prepare dishes				- design pu appealing pother users - generate, communicated talking, dramand, where and communicated - select from a equipment tasks [for endipoining and endipoining endi	- design purposeful, functional, appealing products for themselves and other users based on design criteria - generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. - select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing - select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics - explore and evaluate a range of existing products - evaluate their ideas and products				Workshop - Architectures and Structures design purposeful, functional, appealing products for themselves and other users based on design criteria - generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing - select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics - explore and evaluate a range of existing products - evaluate their ideas and products against design criteria - build structures, exploring how they can be made stronger, stiffer and more stable			