D&T Learning Sequence Document – Year 1/2 2023 2024

Prior Ic Iearning: Ic Sequence of Iearning: Lu Research T	 Design use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Structures: Design a baby bear's chair Identify man-made and natural structures. 	 select from equipmen example, o finishing], select from and compo materials, 	Make m and use a wider it to perform practi cutting, shaping, jo accurately m and use a wider onents, including c textiles and ingrec nctional properties	range of tools and ical tasks [for bining and range of materials construction dients, according s and aesthetic Each term	Towers, Turrets and Bridges ch sequence of lessons children will be taught: erials/Components) Technical Knowledge Ev Evaluate • investigate and analyse a range of existing products • evaluate their ideas and products against their own design criteria and consider the views of others to improve their wor • understand how key events and individuals in design and technology have helped shape the world •	apply their understa structures
National Curriculum KS2 4 Design Task 5 Prior 10 learning: 10 Sequence of learning: 4 Sequence of learning: 10 Characteria 10	 Design use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Structures: Design a baby bear's chair Identify man-made and natural structures. 	 select from equipmen example, o finishing], select from and compo materials, to their fun qualities 	Make m and use a wider it to perform practi cutting, shaping, jo accurately m and use a wider onents, including c textiles and ingrec nctional properties	range of tools and ical tasks [for bining and range of materials construction dients, according s and aesthetic Each term	erials/Components) Technical Knowledge Ev Evaluate • investigate and analyse a range of existing products • evaluate their ideas and products against their own design criteria and consider the views of others to improve their wor • understand how key events and individuals in design and technology have helped shape the world •	 apply their understa structures understand and use cams, levers and lini understand and use incorporating switch
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Prior lo learning: lo Sequence of learning: Lo Research T	Identify man-made and natural structures.		Analyse existi		n children will work through the design process as follows:	
Prior lo learning: lo Sequence of learning: Lo Research T	Identify man-made and natural structures.			U	ree design criteria Make using technical knowledge and skill	s Evaluate product
Prior Ic learning: Ic Sequence of learning: Lu Research T	Identify man-made and natural structures.				ical systems: Making a moving monster	
Sequence of learning: Research	Identify stable and unstable structural shapes.			t mechanisms are	a collection of moving parts that work together to	To know that 'joining tech
Sequence of learning: Research		Identify stable and unstable structural shapes.		vement.		To know that there are var
learning: Research	https://www.bbc.co.uk/bitesize/articles/z2bdjxs		To know that	t input is energy th	hat is used to make something work.	glue or pins.
learning: Research			To know that	t output is the res	sulting movement that results from the input.	
Make T Tool Lu Equipment T Materials Components Lu	Lesson 1: Exploring stabiliy To explore the concept and features of structures a stability of different shapes. Lesson 2: Strengthening materials To understand that the shape of the structure affec Lesson 3: Making baby bear's chair To make a structure according to design criteria Lesson 4: Fixing and testing baby bear's chair To produce a finished structure and evaluate its str stiffness and stability	cts its strength	To look at ob Lesson 2: Ma To look at ob Lesson 3: Des To explore di Lesson 4: Ma	aking linkages	tand how they move tand how they move ter otions	Lesson 1: Joining fabrics To join fabrics together usi Lesson 2: Designing my pu To use a template to create Lesson 3: Making and joini To join two fabrics togethe Lesson 4: Decorating my pu To embellish my design usi
	design criteria shape model test man-made natural properties structure stable		Axle des pivot wheel	-	input linkage mechanical output	decorate design fabric gl template



Summer

Enchanted Forest

Nutrition

Technical knowledge

rstanding of how to strengthen, stiffen and reinforce more complex

use mechanical systems in their products [for example, gears, pulleys, linkages]

use electrical systems in their products [for example, series circuits

itches, bulbs, buzzers and motors]

rstanding of computing to program, monitor and control their products.

Textiles Making a pouch for a woodland fairy

chnique' means connecting two pieces of material together.

various temporary methods of joining fabric by using staples,

using different methods

puppet ate my design

ining my puppet her accurately

puppet using joining methods

glue model hand puppet safety pin staple stencil

				1				
Term	Autumn 2		Spring 2					
			op6 -					
Торіс	Метогу Вох		Towers, turrets and bridges					
DT NC Focus	Cooking and Nutrition							
Cooking and nutrition	 Each term the children will have opportunities to: understand and apply the principles of a healthy and varied diet prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. 							
	These aspects will be interleaved throughout the 2 year rolling programme.							
Cooking and nutrition task	Fruit and vegetables		Plan and prepare a sandwich for a king					
Prior Learning	Research .To understand the difference between fruit and vegetables https://www.youtube.com/watch?v=DTK-uWx_VQo	htt	Research https://www.bbc.co.uk/bitesize/topics/z7x78xs/articles/zppvv4i To understand the principles of a healthy diet. tps://www.bbcgoodfood.com/howto/guide/sandwich-fillings-kids	https://v	www To u			
Cooking and nutrition understand and apply the principles of a healthy and varied diet prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.	Lesson 1: Fruit or vegetable? To identify if a food is a fruit or a vegetable Lesson 2: Where fruit and vegetables grow To identify where plants grow and which parts we eat Lesson 3: Smoothie ingredients tasting To taste and compare fruit and vegetables Lesson 4: Making smoothies To make a fruit and vegetable smoothie	healthy diet. U	ch including vegetable ingredients selecting ingredients based on research on Understand and explain where ingredients come from. Indwich and evaluate in terms of taste, appearance, weight and nutrition.	Lesson 1 Plan a picnic salad bowl in explain where ingredients Lesson 2 Prepare the picnic bowl ar	nd e			
Vocabulary:	Fruit vegetable seed leaf root stem smoothie healthy carton design flavour peel slice	Fruit vegetab spread whol	ole seed leaf root stem healthy carton design flavour peel slice grate e meal fibre	Fruit vegetable seed le grate dip houmous l				



redients based on research on healthy diet. Understand and come from.

d evaluate in terms of taste, appearance, weight and nutrition

af root stem healthy carton design flavour peel slice eans pulses whole meal fibre