Cumwhi	Cumwhinton School Curriculum - Design Technology Y1 SUM		
Year	NC	When designing and making, pupils should be taught to:	
1	Content	<u>Design</u>	
*	Content	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	
		<u>Make</u>	
		* 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	
		<u>Evaluate</u>	
		* explore and evaluate a range of existing products	
		📤 evaluate their ideas and products against design criteria Technical knowledge	
		& build structures, exploring how they can be made stronger, stiffer and more stable	
		* explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.	
		Food and Nutrition	
		* use the basic principles of a healthy and varied diet to prepare dishes	
		* understand where food comes from	

	Design Technology		
Design	Make	Evaluate	Technology Vocabulary
Mapping acros	s the Year		
	AUTUMN	SPRING	SUMMMER
Design		To understand where food comes from.	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
Make		To be able to use the basic principles of a healthy and varied diet to prepare dishes	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		To evaluate own cooking - how could it be improved next time? How could the recipe be adapted?	Explore and evaluate a range of existing products Evaluate their ideas and products against design criteria
Technology Vocabulary			Build structures, exploring how they can be made stronger, stiffer and more stable Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.

CONCEPTUAL SCHOOL AMBITION DRIVERS

	EYFS & KS1	LKS2	UKS2
AUT	Diversity	Fairness	Individuality
SPR	Truth	Change	Resilience
SUM	Responsibility	Equality	Sustainability

DT - SUMMER YEAR 1 HUMANITY - Equality

		HUMANITY - Equality	
	Design Make	Evaluate	Technology Vocabulary
	NC	CUMWHINTON CURRICULUM	
Design	Design purposeful, functional, appealing products for themselves and other users bas on design criteria Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology	Project focus - To make a moving picture. Design Discuss with the children a collection of books, cards and other product How does it work? What effect does it have? Surprise? Does it show Use a simple moving picture book to talk about how levers and sliders of Use some examples of simple lever and sliding mechanisms made from a these mechanisms work. Introduce new vocabulary eg 'lever' and 'pivot Ask the children to investigate products that include levers eg a balance with arrows to show movement and label parts/materials eg blade, hand Get the children to think about/ discuss what picture they would like to Use a design template to draw the design of the moving picture and additional contents.	w how something works? Does it work well? an be used to make movement and bring stories to life. card or construction kits to discuss with the children how t'. ce, a pair of scissors. Encourage children to make drawings dle, metal. o make which will include movement.
Make	Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishin Select from and use a wide range of material and components, including construction materials, textiles and ingredients, according to their characteristics		slits. Tape the character/ item to the end of the card slider of down. Place the slider with the character/ item attached strip across the slider. This will allow the slider to run per, ask them to make the arms move by cutting and using
Evaluate	Explore and evaluate a range of existing products Evaluate their ideas and products against design criteria Technical Knowledge	Evaluate Look at some examples of moving pictures - these can be the same examples of moving pictures - these can be the same examples of moving picture - the opportunity to evaluate their design against other designs. Encoura Children will create a moving picture - whilst making this children can to which will be stronger but whilst will be flexible allowing movement. Chi picture move.	nge children to use key vocabulary when evaluating. alk about the materials they need and which will work best -

Γ	Build structures, exploring how they can be
	made stronger, stiffer and more stable
	Explore and use mechanisms [for example,
	levers, sliders, wheels and axles], in their
	products.