Design and Technology Medium Term Curriculum Map

Differentiation by input see the weekly planning sheet/ -Resources -see the weekly planning / Minimum Assessment for Learning strategies for all topics = Peer Talk; targeted questioning; mini white boards; and self and peer marking -Long term memory development strategies= Recapping pervious learning at the start of each new topic / Long term memory strategy linked to the objectives on this sheet for each week -Design and Technology Cultural Capital = Through a range of experiences the children develop their designing and making skills across cooking, sewing and construction						
Year A						
	Autumn term	Spring Term	Summer term	Autumn term	Spring Term	Summer Term
Ruby Class	, ,		, , , , , , , , , , , , , , , , , , , ,	k. Make imaginative and complex small worlds with blocks ar	•	ildings and a park. Explore different materials
Reception/ Nursery	Nursery freely, in order to develop their ideas about how to use them and what to make. Develop their own ideas and then decide which materials to use to express them. Create closed shapes with continuous lines, ad begin to use these shapes to represent objects. Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Explore, use and refine a variety of artistic effects to express their ideas and developing their ability to represent them. Create collaboratively,					
	sharing ideas, resources and skills. Use a range of small tools, including scissors, paintbrushes and cutlery. Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used.					
Sapphire Class	Great fire of London-House Models	Fruit and Vegetables	Weaving	Food Types	Mechanisms	Sewing Animals
Year 1/2	LO 1: How are houses made? What structures and	LO 1: Children are introduced to different types of	LO 1: Understanding what weaving is, what	LO 1: Go through the different food groups carbohydrates,	LO 1: To look at a range of books where there is	LO 1: Look at creating their own animals using
	materials are used. Label the different features of a house and think about what real-life materials they	fruit where do they grow, what do they look like, how do they taste, countries of origin	weaving is around us, draw some different types of weaving thinking about the patterns.	dairy, protein, fruits and vegetables and fats. Identify what foods go into what specific groups.	movement in terms of levers, wheels and sliders. Evaluate how they work and see if they	different pieces of materials from within a stencil and sticking it together using glue.
	can use to make different features. Annotate a	LO 2: Children are introduced to different types of	LO 2: Create their own weaving design and then	LO 2: Name, evaluate, taste and classify a range of food	can create any of the movement devices	LO 2/3: using the animal stencil sewing packs
	diagram.	vegetables where do they grow, what do they look	have a go at practising how to weave using paper.	from a variety of different food groups. Create their own	LO 2: To think about making a person that uses	create their animals following the instructions and
	LO 2: Think about how to make free-standing structures, how to stay strong. Have a go using a	like, how do they taste, countries of origin LO 3: The children create an instructions text-recipe	Plan their design for next week's make. LO 3: Have a go at creating and making their own	balanced meal. LO 3: Children to design and write a recipe for fairy cakes.	levers to move, split pins. Compete their design and then have a practice at making a moving	using the basic sewing stitches. LO 4: Design their own animal using examples
	variety of resources, what works well, what doesn't	for a fruit salad. What is going to e in it and why	paper weaving and then if they have time using	What are the ingredients, instructions and how could they	joint.	from the sewing kits and then create a design
	and why.	LO 4: The children make their fruit salad and evaluate	string to weave.	be designed?	LO 3: Make their moving person design and put	board of step-by-step instructions.
	LO 3: The children plan and draw their house thinking about the different resources they will need. Write	the process LO 5: The children create a design storyboard on how	LO 4: Create their design for circular weaving, try to think what colours match.	LO 4: Make their fairy cakes following the recipes and then evaluate the process especially the taste.	it all together using the split pins. LO 4: Look at different games/ideas that use	LO 5/6: Using their deign board make their specific animal design and evaluate the process on-going
	some simple instructions.	they are going to make their vegetable kebab. What	LO 5: Make their circular weaving using a	LO 5: what are the ingredients in biscuits. Try some	sliders. Think about a design that they could	and at the end.
	LO 4/5: Make their house and decorate it following	ingredients are they going to use and why?	cardboard circle with lots of different coloured	different types of biscuits and discuss what they are made	and plan out a paper version and a design board	
	their instructions and thinking about ways to improve. LO 6: The children evaluate the process in terms of	LO 6 The children make their vegetable kebabs and evaluate the process.	thread. LO 6: Evaluate the whole process and complete	of. Design their own festive biscuits. Create a recipe. LO 6 Make their own festive biscuits and evaluate the	so that they can make it the following lesson LO 5/6: Make the slider picture/game and	
	sturdiness, easy to stand how could they make it even		any other weaving activities.	whole process.	decorate it. Evaluate the process and make any	
	better.				appropriate changes.	
Diamond Class	<u>Sandwiches</u>	Moving Monsters	<u>Cushions</u>	Snacks from other cultures	Photo Frames	Money Containers
Year 3/4	Lo 1:To understand what makes a sandwich and the	LO 1: Show the children objects that use air to make	LO 1: Look at a range of different cushions that we	Lo 1: Investigate different foods from cultures around the	LO 1: Look at the different types of photograph	LO 1: Look at the different types of money
	different types you can get e.g. Bread, panini, bagel, toastie. What food groups are involved in a sandwich.	the work e.g whistle, recorder, balloon, bicycle pump. Construct a simple pneumatic system by joining a	use around us, what they are made from and what shapes they are. Create a cushion photoboard.	world and make associations between the country and the food.	frames, what they are made of shape and also decoration.	containers you can make, e.g. wallets and purses. Build up a mood board of different types and think
	Lo 2: Try out a variety of different sandwich types and	balloon to tubing to a washing up liquid bottle. How	LO 2: From their research create their own	LO 2: Try out a variety of foods they investigate the	LO 2: Investigate how to make a structure	what they are made from.
	evaluate each one under a number of headings e.g. food groups, taste, texture, flavour, purpose	does it work. LO 2: Make alternative pneumatic systems by joining	cushion design and think about the various materials they will need.	previous week and think about the way they taste and what they could be used for.	stronger using the strength test. (triangle is the	LO 2: Design their own money container thinking about they will be using felt and what type of
	Lo 3: Design their own sandwich and think about all	plastic tubing and syringes. What happens? Compare	LO 3: Sewing-thinking about how they will sew	LO 3: Design and write recipes for their specific food they	strongest, how to make corners stronger. LO 3: Designing a photo frame. Create a design	fastener they require button or velcro
	the research they completed last week and justify why	similarities and differences between the two	the two materials together to form the cushion	want to make from a specific culture.	board of the resources required and the	LO 3: Practice the different types of stitches they
	they have created what they have. Lo 4: Create their sandwich and evaluate the whole	LO 3: Brainstorming ideas for a moving monster e.g. closing mouth, moving wings. Think about how they	shape. Practice on material the different stitches they will require for their mini-cushion.	LO 4: Make their traditional snacks from other cultures and evaluate them.	different steps to making the frame. LO 4/5: Following their instructions from their	will be using to make their money container on Blnca
	process in terms of the headings discussed earlier in	will make the monster using a design storyboard.	LO 4/5/6: Creating their cushions using the sewing	LO 5: Design an international snack festival with a range of	design board making their phot frame and	LO 4/5/6: Make their money container using the
	the unit.	LO 4/5: Making the monster using the pneumatic	techniques they have learned and the design	different snacks from a variety of cultures.	decorating it to the final product.	various stitches and following their design board
	Lo 5: In groups create their own tea party with a variety of food type, both sweet and savoury.	part decorating it and following all of the design instructions.	instructions they created. Think about their patterns and the durability of their cushion.	LO 6: Make the snacks and evaluate their food in terms of flavour, taste and appearance.	LO 6: Evaluating the process and thinking about what went well and what they could do better	instructions. Evaluate the process both on-going and at the end.
	Organise who will do what and the them of their tea	LO 6: Evaluating the whole process.	Evaluate the whole process.	nation, taste and appearance.	next time.	
	party.					
	Lo 6: Create their tea party and evaluate the whole process.					
Emerald class	Bread and Biscuits	Shelters	Slippers	Pizzas, Salads, Pasta	Pencil cases	Musical Instruments
	LO:1 To understand how bread is made and what	LO: What is a shelter and what different types are	LO 1: Review their knowledge of the different	Lo 1: How are pizzas made, what are the ingredients and	LO 1: Look at the different types of stitches using	LO 1: To investigate how musical instruments work
Year 5/6	different types there are.	used around us in everyday life.	types of sewing stitches that they are required to	what are the usual toppings. Design your pizza toppings in	binca including running, back, cross and blanket	and what they are made from.
1,1	LO 2: Be able to plan and design their own bread. Write a recipe	LO 2: What materials are used on shelters and why. LO 3: Plan and design their shelter with a clear list of	use and practice them on scrap pieces of materials.	preparation for making. LO 2: Using their recipe and list of instructions make their	stitch. LO 2: Looking at a range of pencil cases and	LO 2: Think about designing an instrument, how will it work to produce a sound and what is it
	LO 3: To make their own bread and evaluate the	resources and a clear set of instructions.	LO 2: Look at a range of different slippers and	pizzas and then evaluate the process.	evaluate the way that they have been made.	made from.
	process.	LO 4: Make their shelter following the step-by-step	think about the materials that have been used and	LO 3: Look at the different types of pasta that you can have.	LO 3: Design their pencil cases and think about	LO 3: Design their instruments with a clear set of
	LO 4: To understand the full range of biscuits and the different ingredients that can be used.	instructions LO 5: Make their shelter following the step-by-step	how they have been made. LO 3: Design their own slippers and think about	Try it, describe the shape and evaluate it. What sauces can you have with the pasta. Design a pasta sauce recipe.	the types of stitches they are going to need and also the materials they will use to make it.	instructions, resources and an explanation as to how it will work.
	LO 5: Be able to plan and design their biscuit recipe	instructions	the resources that are needed and the different	LO 4: Using their recipe and their list of resources make	LO4/5: Making the pencil cases using the	LO 4: Following on from their design start to make
	and write it.	LO 6: Evaluate the whole process. What things	types of stitches that will be needed. Create a	their pastas and then evaluate the process.	different types of stitches and following the	the instrument and evaluate the process as an on-
	To make their own biscuits and evaluate the process.	worked well and what would they change next time.	design board. LO 4/5/6: Following their design boards the	LO 5: What makes a salad. Look at the different ingredients that could be used to make a salad. Design their own salad	design instructions. LO 6: Evaluating the process of making the	going process. LO 5: Continue to make and then decorate their
			children need to step-by step create their slipper	thinking about the combinations.	pencil cases and completing any last-minute	musical instrument.
			using the appropriate stitches and making any	LO 6: Following the recipes make their salads and the	alterations	LO 6: Evaluate the making process and say what
			relevant changes to the process.	evaluate theirs and other members of the class.		things have worked well and what they could improve next time.