Subject: De	esign Technology	Year 6							
<u>Design</u>									
• carry out rese	earch, using surveys, interv	iews, questionnaires and web-based resources							
 identify the r 	identify the needs, wants, preferences and values of particular individuals and groups								
generate innov	ative ideas, drawing on res	search							
<u>Making</u>									
	 explain their choice of tools and equipment in relation to the skills and techniques they will be using accurately explain their choice of materials and components according to functional properties and aesthetic qualities accurately measure, mark out, cut and shape materials and components accurately assemble, join and combine materials and components accurately apply a range of finishing techniques, including those from art and design 								
 accurately ex 									
	ies that involve a number o	•							
	resourcefulness when tack	kling practical problems							
	Evaluating								
critically evaluate the quality of the design, manufacture and fitness for purpose of their products as they design and make									
		efs and manufacturers who have developed ground-breaking and manufacturers who have developed ground-breaking a	ng products						
Food and Nutri		The second second second second second							
		the appearance, taste, texture and aroma	a a da di ƙasa ka sa ka						
		fferent substances – nutrients, water and fibre – that are n		Kan Quanting					
Term:	Topic:	Knowledge	Skills:	Key Questions					
Autumn	Textiles different fabric	Produce a 3-D textile product from a	Be able to carry out research effectively	What materials will you need?					
	shapes	combination of accurately made pattern pieces,	To identify the needs of an audience	Can you plan what your					
	(including	fabric shapes and different fabrics.	Use a combination of fabric pieces, fabric shapes	product will look like?					
	computer-aided	Understand how fabrics can be strengthened,	and different fabrics	How will the fabrics be					
	design)	stiffened and reinforced where appropriate.	Assemble and join fabric accurately	strengthened ?					
	Ever changing	Know and use technical vocabulary relevant to	use technical vocabulary relevant to the project.	Can you reinforce your					
	Auckland	the project.	Critically evaluate a finished product	materials ? How ?					
	Phone cover								
	Key Vocabulary	seam allowance, wadding, reinforce, right side, wrong side, hem, template, pattern pieces, name of textiles and fastenings used, pins, needles,							
		thread, pinking shears, fastenings,							
		Cultural Capital:							
Spring	Cooking and	That food is grown (such as tomatoes,	To create a Greek inspired dish	Where do we get certain foods					
	nutrition – Where	wheat and potatoes), reared (such as pigs,	To discuss how seasons effect the food available	from?					
	food comes from	chickens and cattle) and caught (such as	To prepare food safely	Can you tell me the food that					
		fish) in the UK, Europe and the wider world	To cook food safely	will be reared? Caught? Can					
	Anniant C	That seasons may affect the food available	Use different techniques such as peeling, chopping,	you make your own recipe?					
	Ancient Greece								
	(Greek salad)	How food is processed into ingredients that	slicing, grating, mixing, spreading, kneading and	What techniques will you use					
		can be eaten or used in cooking Cooking	baking	to make the salad look that					
				way?					

		and nutrition – Food preparation, cooking and nutrition How to prepare and cook a variety of predominantly savoury dishes safely and hygienically including, where appropriate, the use of a heat source How to use a range of techniques such as peeling, chopping, slicing, grating, mixing, spreading, kneading and baking That recipes can be adapted to change the appearance, taste, texture and aroma That different food and drink contain different substances – nutrients, water and fibre – that are needed for health	To explain how different food and drink contain different substances – nutrients, water and fibre – that are needed for health			
	Key Vocabulary	ingredients, yeast, dough, bran, flour, wholemeal, unleavened, baking soda, spice, herbs fat, sugar, carbohydrate, protein, vitamins, nutrients, nutrition, healthy, varied, gluten, dairy, allergy, intolerance, savoury, source, seasonality utensils, combine, fold, knead, stir, pour, mix, rubbing in whisk, beat, roll out, shape, sprinkle, crumble Cultural Capital: Fairtrade fortnight				
Summer	Electrical Systems More complex switches and circuits (including programming, monitoring and control) Rivers Programming - probots	Apply understanding of computing to programm products Understand what probots are and how they can be programmed To know how to generate, develop, model and communicate ideas To know the components of a map Use appropriate materials based on research To know how to monitor a floor robot	Demonstrate understanding of computing by accurately programming a probot Generate, develop and communicate ideas through discussion, annotated sketches, cross-sectional and exploded diagram prototypes Research a range of materials explore how floor robots move on different materials. I can discuss the best use of different materials as obstacles. To create an adventure map. To evaluate my adventure map based on a design criteria. TO use a range of materials to make an adventure map. To use appropriate joining methods To monitor a floor robot. To evaluate a finished product.	How will you programme the probot? What products will you need? Can you test? What happened and why?		

Key Vocabulary	Input, output, adventure map, floor robot, materials, obstacles, pause, clear, turn right, turn left, plan, forward, backward, go		
	program, glue, stapler, product, evaluate		
	Cultural Capital:		