KS2 Prototypes- Greenhouses							
Key Vocabulary			The Project			Design	
Model		A representation of a real object.	urpos e for Introduction roject	This project builds on your previous learning on how to make models by now using design to build geometric shapes, creating more complex prototypesTo design a model of a greenhouse that can be used to help grow herbs ready for		The type of shape you will be designing for your	
User		The person using the end product.			lesigners	greenhouses are geometric shapes. This is	
Aesthetics		What something looks like				where the same 2D shape is repeated over and	
Purpose		The reason why something is made and how this changes depending on				Buckminster Fuller and Sir Nicholas Grimshaw, designers of the Eden Project in Cornwall	
		who it is created for					
Strong		A structure that can support itself			C C		
Sturdy		Strongly and solidly built		the summer when children at Gamlingay	etri		
Airtigi	il.	through		Village Primary will be cooking			
		Research	/		Ge		
urpose	 The purpose of greenhouses are: To shield crops from too much cold or heat and to protect them from pests such as slugs. A greenhouse makes it possible to grow 					Buckminster Fuller Sir Nicholas Grimshaw Using your learning on how to draw 3D shapes and cross sectional drawing, design geometric	
Key Research How they work P Questions	certai fruits, Greer	certain types of crops year round such as fruits, vegetables and flowers. Greenhouses				greenhouses. Start by considering what shape you would wish to repeat in your design and begin there, slowly adding to this using a pencil and ruler to create a	
	sunlig shinir the green and w the pl and a inside	ht ig into house varming ants ir s.			ometric Design	3D shape. As you will be using art straws, include in your design <i>where</i> there will be joins, either in the corners with masking tape or where more than two straws will meet.	
	At nig green walls	ht time, it's colder outside, but the house stays warm because the glass of the greenhouse trap the Sun's heat.			Ge		
	How of a g	does design affect the effectiveness reenhouse ?					
	Do gr	eenhouses need to be airtight ?				Using straws	
	How comp	effective are mini greenhouses ared to full scale ones?				<u> </u>	

