



Skills and Knowledge progression Design Technology						
Textiles						
		Year 1	Year 5			
	Design	Using a template to create a design for a puppet.	Researching (books, internet) for a particular (user's) animal's need.			
			Developing design criteria based on research.			
			Generating multiple housing ideas using building bricks.			
			Understanding what a virtual model is and the pros and cons of traditional and CAD modelling.			
			Placing and manoeuvring 3D objects, using CAD.			
			Changing the properties of, or combining one or more 3D objects, using CAD.			
lls		Cutting fabric neatly with scissors.	Understanding the functional and aesthetic properties of plastics.			
Skills	Make	Using joining methods to decorate a puppet.	Programming to monitor the ambient temperature and coding an (audible or visual) alert when the temperature rises above or falls below a specified range.			
		Sequencing steps for construction.				
		Reflecting on a finished product, explaining likes and dislikes.	Stating an event or fact from the last 100 years of plastic history.			
		······································				
	ate		Explaining how plastic is affecting planet Earth and suggesting ways to make more sustainable choices.			
	Evaluate		Explaining key functions in my program (audible alert, visuals).			
	БV		Explaining how my product would be useful for an animal carer including programmed features.			



WBS - Working, Believing, Succeeding – A Wonderful Bridge to Success



	To know that 'joining technique' means connecting two pieces of material together.	a	To know that a 'device' means equipment created for a certain purpose or job and that monitoring devices observe and record.
Knowledge	o know that there are various temporary methods of joining fabric by using staples. glue or pins.		To know that a sensor is a tool or device that is designed to monitor, detect and respond to changes for a purpose.
	To understand that different techniques for joining materials can be used for different purposes.	Technica	To understand that conditional statements (and, or, if booleans) in programming are a set of rules which are followed if certain conditions are met.
	To understand that a template (or fabric pattern) is used to cut out the same shape multiple times.		To understand key developments in thermometer history.
	To know that drawing a design idea is useful to see how an idea will look.	onal	To know events or facts that took place over the last 100 years in the history of plastic, and how this is changing our outlook on the future.
		dditio	To know the 6Rs of sustainability.
		A	To understand what a virtual model is and the pros and cons of traditional vs CAD modelling.