

Year 2 Autumn: Knowledge Mat

Mechanisms

Key Vocabulary		Technique	Core Knowledge
slider	A mechanism that moves side to side.	 	➤ I know how to design purposeful, functional, appealing products for myself and other users based on design criteria. ➤ I know how to generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology ➤ I know how to select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] ➤ I know how to explore and evaluate a range of existing products ➤ I know I can build on my ability evaluate ideas and products against design criteria ➤ I know how to explore and use mechanisms [for example, levers, sliders, wheels and axles], in products.
lever	An element that raises and lowers.		
moving picture	An image that contains an element that can change.		
mechanism	The parts that make a machine move.		
		Products	
wheel	A disk turning on a central point.	 	

Year 2 Spring: Design & Technology Knowledge Mat

Pizza

Key Vocabulary		Technique	Core Knowledge
bridge and claw hold	A safe way to hold food when cutting with a knife.	 	➤ I know how to design purposeful, functional, appealing products for myself and others based on design criteria ➤ I know how to generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology ➤ I know I need to select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] ➤ I know I need to select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics ➤ I know how to explore and evaluate a range of existing products ➤ I know how to build on my ability evaluate ideas and products against design criteria ➤ I know that I need to understand and use the basic principles of a healthy and varied diet to prepare dishes ➤ I know and understand where food comes from.
safe	Making sure you are not being dangerous when using tools.		
knife	A sharp object used for cutting.		
chopping board	An object made from wood or metal used to cut food on.	Products	
healthy	Good for the body.	  	
equipment	Items you need to complete a task.		
topping	A layer of food added to a base.		

Year 2 Summer 2: Design and Technology Knowledge Mat

Puppets

Key Vocabulary		Technique	Core Knowledge
cut	To use scissors to separate a material.	   	➤ I know how to explore and evaluate a range of existing products. ➤ I know how to evaluate ideas and products against design criteria. ➤ I know how to select from and use a range of tools and equipment to perform practical tasks. ➤ I know how to select from and use a wide range of materials and components, including construction materials, textiles, and ingredients, according to their characteristics. ➤ I know how to design purposeful, functional, appealing products for myself, and other users based on design criteria. ➤ I know how to generate, develop, model, and communicate my ideas through talking, drawing, templates and mock-ups.
stick	To use glue to join materials together.		
sew	To use a needle and thread to join materials together.		
plait	To twist long materials together.		
		Products	
pop-up	When an object appears from within another object (pop-up book)	  	
sock puppet	A toy made from a decorated sock, that you put your hand inside to move.		

