

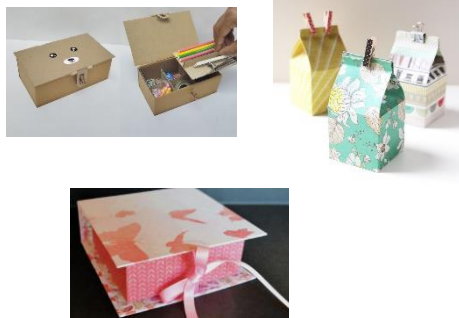
Year 1: Design and Technology Knowledge Mat Autumn

Structures

Key Vocabulary		Technique	Core Knowledge	
strong	solid and durable		• I know how to design purposeful, functional, appealing products for themselves, and other users based on design criteria • I know how to select from and use a range of materials and components, including construction materials and ingredients, according to their characteristics • I know how to build structures, exploring how they can be made stronger, stiffer and more stable	
stable	can hold its own weight, solid			
evaluate	what is good and what can be improved			
design	to plan to make something			
materials	what something will be made out of	Products		
camouflage	coloured to blend in			
construct	to make			

Year 1: Design and Technology Knowledge Mat Spring

Mechanisms - A box with a hinge and catch

Key Vocabulary		Technique	Core Knowledge
Stronger	To make something more durable	 catches hinges	- 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. - I know how to select from and use a range of materials and components, including construction materials and ingredients, according to their characteristics - I know how to explore and evaluate a range of existing products - I know how to evaluate my ideas and products against design criteria - I know how to build structures, exploring how they can be made stronger, stiffer and more stable - I know how to explore and use mechanisms (for example, different types of hinges), in their products
Stiffer	To make something difficult to bend		
Levers	Machine used to increase force		
Sliders	Something you move which moves something else		
Tools	Used to help you do something		
Evaluate	What you like, didn't like/enjoyed	Products 	
Hinge	a movable joint or mechanism on which a door, gate, or lid swings as it opens and closes or which connects linked objects.		
Catch	Fix or fasten in place.		

Year 1: Design and Technology Knowledge Mat Summer

Cooking and Nutrition - make a healthy fruit salad

Key Vocabulary		Technique	Core Knowledge	
ingredients	any food combined to make a particular dish.	 ☐  ☐  ☐ 	➤ I know how to design purposeful, functional, and appealing products. ➤ I know how to select from and use a range of tools and equipment to perform practical tasks. ➤ I know how to evaluate a range of existing products. ➤ I know how to evaluate my own ideas and products against design criteria.	
food	any nutritious substance that people or animals eat or drink			
hygiene	Keeping things clean to maintain health.			
fruit	The sweet product of a tree or plant.			
safety	Protection from harm or injury.	Products		
design	A plan or drawing, before something is made.			
make	Form something by putting parts together.			
evaluate	Forming an idea and assessing.			

