	Textiles: Puppets	Mechanisms: Making a moving story book	Cooking and Nutrition: Smoothies
	Exploring different ways to join fabric, including glueing, pinning and stapling.	The children learn about the direction of movements and explore the mechanisms required to make these work by creating examples of side-to-side sliders and up-and-down sliders from templates.	Identifying fruits by finding seeds.
′1	Using a simple template to cut out material for a puppet design based on a character.	The children plan their moving storybooks against a design criteria using differentiated templates, deciding on the backgrounds, moving parts, mechanisms and direction of movement required.	Identifying whether a fruit or vegetable grows aboveground or underground.
	Joining pieces of fabric using a preferred technique of pinning, stapling or glueing.	Referring to their design templates from Lesson 2, children make the various elements of their moving storybooks, including bridges and guides to restrict the movement of their sliders where necessary.	Identifying whether a fruit or vegetable grows aboveground or underground.
	Carefully selecting materials to decorate a hand puppet in keeping with a chosen storybook character.	Pupils text their finished storybooks with their target audience of younger children and evaluate their end result against the initial design criteria.	Tasting ingredients and choosing combinations for a recipe.
			Making a smoothie by following a recipe
	Mechanisms:	Cooking and Nutrition:	Structures:
	Fairground Wheels Understanding how wheels work and creating a design for a fairground wheel.	Balanced Diet Sorting foods to discover the food groups	Creating Baby Bear's Chair Testing the stability of 3D shapes using a scientific approach.
2	Exploring and experimenting to work out the most suitable materials and techniques for creating a Ferris wheel model.	Designing a menu with dishes containing different food groups.	Building and testing different paper structures to destruction.
	Applying an understanding of structures to build and assemble a frame and wheel, then adapt the design as necessary.	Practising cutting, grating, snipping and spreading skills.	Designing a chair for Baby Bear by apply a knowledge of how to build strong and stable structures.
	Creating pods and decorative touches whilst making sure the wheel still rotates freely.	Responding to a design brief and taste testing ingredients.	Solving problems to adapt the structure of Baby Bear's chair as necessary.
		Designing different wraps with a balance of ingredients.	
		Making and evaluating a wrap based on a design brief.	
	Cooking and Nutrition: Eating Seasonally	Mechanical Systems: Pneumatic Toys	Textiles: Egyptian collars
	Recognising that different foods grow in different climates.	Investigating and exploring different pneumatic systems.	Learning how to sew cross-stitch and to appliqué, children practise their sewing skills before receiving a brief in Lesson 2.
3	Identifying seasonal foods grown in the UK.	Investigating and exploring different pneumatic systems.	Children learn about Ancient Egyptian Usekh/Wesekh collars and their purpose before being challenged with a brief to develop design criteria and collar designs that will represent the children's unique personalities.
	Practising food preparation skills.	Creating a working pneumatic system and casing for a toy.	Children learn to use the template they developed in Lesson 2 to cut fabric to the same shape. This will form the base of their collar.
	Creating design criteria based on a design brief.	Decorating and assembling the final components to complete a pneumatic toy.	Pupils decorate their collars to meet their design criteria and final design, using a variety of techniques, including appliqué, pinking and adding embellishments.
	Designing a seasonal food tart mock-up.		
	Making and evaluating seasonal tarts.		
	Digital World:	Structures:	Electrical Systems:
	Mindful Moments Timer	Pavilions Exploring different frame structures to test which are the most stable using toothpicks and	Torches The children explore the difference between 'electrical' and 'electronic' and revisit
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Cooking and nutrition
Textiles

Structures

Mechanical systems
Digital
Electrical systems