

LKS2 Design and Technology Detailed Progression of Skills and Knowledge Year A

Structures: Pavilions

Year 4 D&T Unit: Pupils design and make pavilion structures using frame construction. They learn to select appropriate materials, build strong frames, and add cladding for aesthetic appeal.

Prior learning: Structures: Constructing a castle

Suggested next steps: Textiles: Fastenings

Lesson	Learning Objectives	Core Knowledge	Core Skills	Key Vocabulary
1: Exploring frame structures	To create a range of different shaped frame structures.	Know what a frame structure is and how it provides stability.	Construct simple frame structures using materials and joining techniques.	structure, frame, stability, shape, join
2: Designing a pavilion	To design a structure.	Know how to apply design criteria to plan a pavilion.	Design a pavilion using annotated sketches and select materials for strength and appearance.	design, criteria, plan, sketch
3: Pavilion frame	To build a frame structure.	Understand how to reinforce and connect framework parts.	Build a strong, stable frame using accurate measurements and joins.	reinforce, stable, measure, join
4: Pavilion cladding	To add cladding to a frame structure.	Know that cladding improves structure and appearance.	Cut and attach cladding materials neatly to the frame.	cladding, material, structure, finish

Cooking and Nutrition: Eating Seasonally

Year 3 D&T Unit: Pupils learn about seasonal foods and the environmental impact of food choices. They practise cutting, peeling, and preparing fruits and vegetables to create a seasonal tart.

Prior learning: Cooking and nutrition: Balanced diet

Suggested next steps: Cooking and nutrition: Adapting a recipe

Lesson	Learning Objectives	Core Knowledge	Core Skills	Key Vocabulary
1: Food around the world	To explain why food comes from different places around the world.	Know that different climates support different crops.	Identify where foods come from using world maps.	food, climate, country, crop
2: Seasonal food	To explain the benefits of seasonal foods.	Understand that eating seasonally helps the environment.	Identify fruits and vegetables grown in each season.	seasonal, harvest, environment, fruit, vegetable
3: Cutting and peeling	To develop cutting and peeling skills.	Know how to use food preparation tools safely.	Practise peeling, cutting, and grating techniques.	cut, peel, grate, knife, safety
4: Tasting seasonal ingredients	To evaluate seasonal ingredients.	Understand that texture, flavour, and appearance affect taste.	Taste and record preferences for seasonal produce.	taste, texture, flavour, ingredient
5: Making a mock-up	To design a mock-up using criteria.	Know how to design a recipe that meets given criteria.	Create a simple mock-up design for a seasonal tart.	mock-up, design, ingredient, recipe
6: Evaluating seasonal tarts	To evaluate a dish.	Understand how to evaluate food products against a brief.	Reflect on taste, presentation, and use of seasonal ingredients.	evaluate, design brief, seasonality

Textiles: Fastenings

Year 4 D&T Unit: Pupils design and make a fabric sleeve with a fastening, exploring sewing techniques and materials. They compare fastening types and evaluate their effectiveness.

Prior learning: Textiles: Cushions

Suggested next steps: Year 5: Making a pop-up book

Lesson	Learning Objectives	Core Knowledge	Core Skills	Key Vocabulary
1: Evaluating fastenings	To explain the advantages and disadvantages of different types of fastening.	Know different fastening types such as zips, buttons, and Velcro.	Evaluate fastenings based on ease of use and purpose.	fastening, fabric, zip, button, Velcro
2: Designing my book sleeve	To design a product to meet design criteria.	Understand how design criteria guide the making process.	Plan a sleeve design with a chosen fastening and decoration.	design, criteria, plan, sleeve
3: Paper mock-up and preparing fabric	To make and test a paper template.	Know that templates help ensure accuracy before cutting fabric.	Create a paper mock-up and prepare fabric pieces.	template, mock-up, fabric, cut
4: Assembling my book sleeve	To assemble a book jacket.	Understand basic sewing stitches for joining fabrics.	Assemble and join fabric using a chosen fastening and stitches.	stitch, sew, join, assemble