KS1
Autumn

**Textiles: Fabric Faces** 

## Previous learning

In EYFS, pupils are encouraged to weave on a large scale, which is an essential skill to develop, and helps pupils with sewing skills in KS1 and KS2.

In Cycle A, pupils are introduced to cutting fabrics (felt only), and joining fabrics using a simple running stitch.

The Cycle A, pupils are introduced to cutting jabrics (jett only), and joining jabrics using a simple running stitch.				
Substantive Knowledge	Disciplinary knowledge			
<ol> <li>Common fabrics include hessian, felt, wool, and s</li> <li>Fabrics can be used to cr effects and textures.</li> <li>Fabric can be joined usir or by sewing.</li> <li>Paper templates can be cutting fabrics.</li> </ol>	glue and running stitch.  • Use glueing, stapling or tying to decorate fabric, including buttons and sequins.  • Add simple decorative embellishments, such as buttons, prints, sequins.			
Lesson 1	Existing products - Exploring fabrics			
	<ul> <li>Explore and evaluate a range of existing products in the context of exploring fabrics and fabric dolls/characters.</li> </ul>			
Lesson 2	Existing products			
	<ul> <li>Explore and evaluate a range of existing products in the context of exploring what has been used to make hair on fabric dolls or characters.</li> <li>Select from and use a range of textiles according to their characteristics in the context of selecting materials to represent their own hair.</li> </ul>			
Lesson 3	Joining fabrics			
	<ul> <li>Select from and use a range of tools and equipment to perform practical tasks for example joining in the context of joining fabrics and materials.</li> </ul>			
Lesson 4	Using templates			
	<ul> <li>Select from and use a range of tools and equipment to perform practical tasks for example cutting in the context of cutting around a template to create a face shape.</li> </ul>			
Lesson 5	Designing			
	<ul> <li>Design purposeful, functional, appealing products for themselves and other users based on design criteria</li> <li>Generate, develop, model and communicate their ideas through talking, drawing and templates</li> </ul>			
Lesson 6	Making and evaluating			

<ul> <li>Select from and use a wide range of materials including textiles according to their characteristics</li> <li>Select from and use a range of tools and equipment to perform practical tasks (for example cutting, shaping, joining and finishing).</li> </ul>
Vocabulary

Design, criteria, evaluate, tools, template, cut, join, sew, glue, fabric, textiles

KS1 Spring 2 Structures: Windmills

#### Previous learning

In EYFS, pupils often access the 'junk modelling' as part of continuous provision. Pupils are encouraged by staff to think about the choices of materials, how to join them, and ways they could make their model better. Pupils will revisit some aspects of this unit, when they look at movement and mechanisms in Cycle C, when they create moving vehicles. In Cycle C there will be a greater focus on wheels and axles

#### Substantive Knowledge Disciplinary knowledge 1. Design criteria are the goals that a Use wheels and axles to make a simple moving model. project must achieve. Create a design to meet simple design criteria. 2. Different materials can be used for Generate and communicate their ideas through a different purposes, depending on their range of different methods. properties. Construct simple structures, models or other products 3. Structures can be made stronger, stiffer using a range of materials. and more stable by using cardboard Talk about their own and each other's work, rather than paper, and using identifying strengths or weaknesses and offering triangular shapes rather than squares. support. 4. A windmill is a machine that harnesses the power of the wind. Windmills may be used to grind grain into flour, to pump water, or to produce electricity. 5. A windmill has a number of blades that spin around when wind blows on them. Lesson 1 What are windmills? • To explore what windmills are and how they are used. Lesson 2 Skill - Strong bases • To explore ways of making strong bases. Lesson 3 Skill - Sails To explore how to make sails for windmills. Lesson 4 Design To be able to design your own windmill. Lesson 5 Making To be able to follow a plan to make a windmill. Lesson 6 Evaluatina To be able to evaluate your finished windmill. Vocabulary Windmill, strong, stable, base, sail, moving, design, make, evaluate

# KS1 Summer 2

**Mechanisms: Moving Pictures** 

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### Previous learning

In EYFS, pupils have access to small construction kits which include toys with wheels and axles.

In Cycle B, Spring Term, pupils were exposed to moving parts as part of the project on windmills (however, the focus of the unit was structure rather than mechanisms).

Pupils will revisit mechanisms and movement again in Cycle C, during their project on moving vehicles.

Substantive Knowledge	Disciplinary know	vledge	
<ol> <li>Design criteria are the e that a project must achi</li> <li>Different tools have cha that make them suitable purposes.</li> <li>An axle is a rod or spind through the centre of a connect two wheels.</li> <li>A mechanism is a device type of motion or force different one.</li> <li>Mechanisms include slice linkages, gears, pulleys</li> </ol>	ve.  acteristics for specific  that passes heel to  hat takes one nd produces a  rs, levers,  and axles  Generate range of c  Select the task.  Talk abou identifyir support.  Explain h their designation	ge of mechanisms (levers, sliders, wheels ) in models or products. and communicate their ideas through a different methods. e appropriate tool for a simple practical at their own and each other's work, ng strengths or weaknesses and offering ow closely their finished products meet gn criteria. d use a range of materials, beginning to neir choices.	
Lesson 1	Exploring existing products		
	To explore and evaluate a	range of existing products	
Lesson 2	Skill: Sliders		
		nisms (for example sliders), in their products lider to make a picture move.	
Lesson 3 Skill: Levers			
		nisms (for example levers) in their products ever to make a picture move	
Lesson 4	Skill: Wheels		
		nisms (for example wheels), in their products wheel to make a picture move.	
Lesson 5	Designing		
	<ul> <li>themselves and other user.</li> <li>To generate, develop, mod talking, drawing, template</li> </ul>	tional and appealing products for s based on design criteria el and communicate their ideas through es and mock-ups in the context of drawing ow their ideas about a moving picture.	
Lesson 6	Making and evaluating		
		nisms (for example levers, sliders, products to make a moving picture.	

To evaluate their ideas against design criteria.		
Vocabulary		
Design, make, evaluate, mechanism, move, wheels, sliders, levers, design criteria, pull, push, up, down		