



Lawford Curriculum Overview - Art and Design

Year Group	Autumn		Spring		Summer	
	Question/curriculum area Key Knowledge Key Skills	Concepts BV	Question/curriculum area Key Knowledge Key Skills	Concepts BV	Question/curriculum area Key Knowledge Key Skills	Concepts BV
Reception						
1	Unit: Frame structures: bridges Threads Design Make Materials Unit description This unit introduces pupils to structures. It focuses on bridge building and introduces cutting, folding, and joining techniques. Pupils make their own bridges, applying their knowledge of structure design. Why this, why now? Foundation knowledge of structures and how to make them is fundamental to Key Stage 1. This unit builds upon the knowledge of structures from the Early Years Foundation Stage. By introducing cutting, folding, and joining techniques, pupils can access the subsequent curriculum. This unit provides key knowledge for future structure units on 'Levers and sliders: moving cards' and 'Freestanding structures: playgrounds'.		Unit : Rotary mechanisms: windmills Threads Make Sustainability and climate change Systems Unit description This unit introduces knowledge of simple rotary mechanisms that create movement. Pupils will investigate how windmills work, consider sail design, and produce a working model that will be tested for stability and movement. Why this, why now? Understanding how mechanisms work starts with simple systems. This unit builds upon knowledge of mechanisms creating movement explored through simple construction kits during the Early Years Foundation Stage. Knowledge of axles and sails creating movement is a precursor to knowledge developed within the 'Wheels and axles: vehicles' unit.		Templates in textiles: hand puppets Threads Critique and evaluate Make Materials User-centred design Unit description This unit introduces knowledge of simple rotary mechanisms that create movement. Pupils will investigate how windmills work, consider sail design, and produce a working model that will be tested for stability and movement. Why this, why now? Understanding how mechanisms work starts with simple systems. This unit builds upon knowledge of mechanisms creating movement explored through simple construction kits during the Early Years Foundation Stage. Knowledge of axles and sails creating movement is a precursor to knowledge developed within the 'Wheels and axles: vehicles' unit.	

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2	Levers and sliders: moving cards Threads • Design • Make • Materials • Systems Key Knowledge and Skills This unit develops pupils' knowledge of simple mechanisms. By making levers and sliders, pupils will apply their knowledge of the characteristics of paper and card to make their own moving cards. Card lever mechanisms Card slider mechanisms Disassemble products to inspire ideas Properties of paper and card Mechanisms in moving cards Joining materials in moving cards Envelopes for moving cards Feedback and evaluation about materials and systems		Wheels and axles: vehicles Threads • Make • Materials • Systems Key Knowledge and Skills This unit develops pupils' knowledge of wheels and axles. The characteristics of wheels will be introduced. Pupils will analyse different vehicles and their structure to design and make their own vehicle. Wheels and axles in vehicles Design specification for wheeled vehicles Card properties and uses Card construction techniques Adding wheels to a vehicle Designing a vehicle Finishing a vehicle Test a vehicle		Freestanding structures: playgrounds Threads • Critique and evaluate • Design • User-centred design Key Knowledge and Skills This unit develops pupils' knowledge of freestanding structures and how to make them more stable. Pupils will analyse different structures, shapes and construction techniques to make piece of play equipment. Lessons in unit: Shapes and materials used in playground structures Simple playground structures Creating and reinforcing playground structures Preparing materials for playground structures Designing playground structures Making playground structures Adding finishing touches to playground structures Test and talk about the final playground structures	
3	2D shapes to 3D products: Christmas Tree Decoration Threads • Make • Materials Unit description This unit develops pupils' knowledge and joining techniques when working with woven fabrics. Pupils test and select recycled fabric for functionality. They will use templates and decorative techniques to make a stationery storage product. Lessons in unit Fabric joining and cutting techniques Testing fabrics Fabric fasteners Design specification and fabric selection		Threads • Critique and evaluate • Design • Systems Unit description This unit introduces pupils to creating movement with air using pneumatic mechanisms. They will then apply this knowledge to develop a moving toy. Designing and making a range of mechanical systems provides a deeper of understanding of mechanisms. Lessons in unit Make things move with air Pneumatic systems Exploring pneumatic systems Develop ideas through annotated sketches		•	

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	Fabric patterns and seam allowance Using stationery storage product patterns Assemble a stationery storage product Fabric decorative techniques		Plan a pneumatic system Make a pneumatic system Assemble a pneumatic animal Evaluate pneumatic systems .			
4						
5						
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