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## John Vianney Catholic Primary School



## What I am Learning in



## **D&T this Term...**

Year 1 – Mechanisms – Sliders and Levers  Topic Overview – Lesson Objectives					
Lesson 2	Discuss what could be made and develop ideas through drawings and mock-ups with card and paper.				
Lesson 3	<b>Design</b> what to make and suggest what to do next. Consider such things as making sure the mechanism works smoothly and makes the right type of movement. SJV – Design a slider or lever choosing an animal from Blackpool Zoo				
Lesson 4	Make your product by selecting and using tools, explaining choices, to cut shape and join paper and card.				
Lesson 5	Finish making the product, using suitable finishing techniques suitable for the product being created.				
Lesson 6	<b>Evaluate</b> your product by discussing how well it works in relation to the purpose and the user and whether it meets the design criteria.				

	What I am Learning in    Design   Desig				
		Overview – Lesson Objectives			
Lesson 1	Investigate sliders and levers. Think about what you could make, based on simple design criteria and your ow experiences. Demonstrate simple levers and sliders to the children. Use questions to develop children's understanding such as 'Which part of the mechanism is the pivot?'				
Lesson 2	Discuss what could be made and develop ideas through drawings and mock-ups with card and paper.				
Lesson 3	<b>Design</b> what to make and suggest what to do next. Consider such things as making sure the mechanism works smoothly and makes the right type of movement. SJV – Design a slider or lever choosing an animal from Blackpool Zoo				
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Lesson 5	Finish making the product, using	suitable finishing techniques suitable for the pro	duct being created.		
Lesson 6	<b>Evaluate</b> your product by discussing how well it works in relation to the purpose and the user and whether it meets the design criteria.				
		Assessment – National Curriculum			
	NC Statement	Maths/Literacy opportunity	Child led enqu		
appealir and oth *Gene commu	gn purposeful, functional, ing products for themselves iner users based on design criteria. rate, develop, model and inicate their ideas through drawing, templates, mock- ups.	Describe position, direction and movement.  Use appropriate standard and nonstandard measures.  Traditional Tales Nursery Rhymes Books demonstrating sliders and levers Spoken language-Listen and respond appropriately to adults. Ask relevant			
*Select of ma accord  *Explo o *Ev produc *Explo *Explo	Make t from and use a range of and equipment to perform tical tasks [for example, ang, shaping, joining and finishing]. from and use a wide range aterials and components ing to their characteristic.  Evaluate are and evaluate a range of existing products. aluate their ideas and ats against design criteria. echnical knowledge re and use mechanisms: sliders and levers.	questions to extend your knowledge and understanding. Build technical and directional vocabulary.	How will you make you move?		

slider, lever, pivot, slot, bridge, guide, card, masking tape, paper fastenjoin, pull, push, up, down, straight, curve, forwards, backwards, design make, evaluate, user, purpose, ideas, design criteria, product, function (Tier 3 words in bold.) slider, lever, pivot, slot, bridge, guide, card, masking tape, paper fastener, join, pull, push, up, down, straight, curve, forwards, backwards, design, make, evaluate, user, purpose, ideas, design criteria, product, function