Year Group: 1 National Curriculum Aims The national curriculum for design and technology aims to ensure that all pupils: ✓ develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world ✓ build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users ✓ critique, evaluate and test their ideas and products and the work of others		Unit: Mechanical Systems Technical knowledge > explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products. Product Outcome Moveable storybook	
Investigate and Evaluate ➤ explore and evaluate a range of existing products	Can I explore sliders and mo Make the slider. Make the slot. Insert the slider in the slot. Children explore slider created		Knowledge: - Know that a mechanism is a device used to create movement in a product. - Name at least 2 everyday products which use levers. - Know a slider is a rigid bar which moves backwards and forwards along a straight line. - Know a slider does not have a pivot point.
Design design purposeful, functional, appealing products for themselves and other users based on design criteria penerate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology	Can I design a moving story Design three pages of my mov background pictures; drawing whether I will use a side-to-sid slider on each page and labell type of slider.	ving storybook by: drawing the moving parts; deciding de slider or an up-and-down	Vocabulary: 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

Make	select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] select from and use a wide range of materials and components, including construction materials, textiles, according to their characteristics	Can I construct a moving picture? To make a moving picture by: drawing my background; drawing and cutting my moving parts; making sliders for my moving parts and putting all my parts together to create my moving picture.	
Evaluation >	te evaluate their ideas and products against design criteria	Can I evaluate my finished product? Review the success of the product by testing it (reading it to reception children) Evaluate the product against the design criteria. Consider what I have learnt from making a moving story book.	

Thinking Deeper: Consider ways in which their design could be altered to make it easier to make as well as to be more appealing to the target audience.

Links to other subjects:

- Subject Specific links- Art and Design pupils to use their drawing skills.
- Personal Development teamwork, building resilience when ideas do not work straight away,
- SMSC social working with others, offering and receiving feedback on designs and products
- Cultural Capital to have an awareness of the importance of traditional tales and nursery rhymes within British culture and history.
- Careers architects, builders
- British Values Respect & Tolerance- respecting the designs of others when evaluating each other's products
- Equality to consider how not all children are equal and that some children living in poverty or deprived areas of the world do not get to experience such pleasures of rhymes and moveable story books.