

Year group:	Reception / Year One	Term:	AUTUMN A	Theme:	Pop-Up Levers
Prior learning					Cross-curricular and visits/visitors
Children should know the names of machines they have at home that help people complete jobs e.g, cooker, washing machine, Hoover. They should also be able to name some toys that have a moving mechanism.					Celebrations
Substantive Knowledge					Disciplinary Knowledge
- Know that technology has been designed for a purpose to either solve a problem or entertain. - Know that a lever is a simple mechanism that makes jobs easier. - Know that a mechanism is a system of parts working together. - Know a pop-up mechanism is a type of lever - Know that a sliding mechanism makes something move from left to right or up/down. - Know that a design is a plan or drawing of how an object looks or works.					- Start to use technical vocabulary. - Know some different ways of making things move in a 2-D plane. - Use mock-ups e.g. recycled material trial models to try out their ideas. - Explore existing products and investigate how they have been made (including teacher-made examples). - Select materials from a limited range. - Explain what they are making. - Name the tools they are using. - Use pictures and words to convey what they want to design / make. - Explore ideas by rearranging materials. - Talk about their design as they develop and identify good and bad points. - Say what they like and do not like about items they have made and attempt to say why.
Early Learning Goals					
Expressive Art & Design 'Creating with materials' (ELG) - Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. - Share their creations, explaining the process they have used. Physical Development 'Fine motor skills' (ELG) - Use a range of small tools, including scissors, paint brushes and glue spreader. - Begin to show accuracy and care when drawing.					

Key Vocabulary			New Vocabulary	
fold	half	slide	crease	line on paper created by folding
machine	stick		lever	simple mechanism that makes jobs easier
			pop-up movement	lever system that creates movement
			mechanism	system of parts working together
			design	drawing or plan to show how an object looks or works
			technology	an object created for a purpose /to do a job
			purpose	the reason for an object's construction
			product	an item manufactured for sale