

<u>Year Group: 1</u>	<u>Topic:New beginnings - growing</u>	<u>Term: Spring 1</u>	<u>Main Focus: D&T- mechanisms- levers and sliders</u>
<u>Rationale For Topic-</u> Our D&T link will be focused on the skill mechanisms- levers and sliders to make an informative moving poster to show what a plant needs and how it grows. During this half term the children will explore 'growing' looking at what plants need to grow. They will also be focusing on the text 'The Pet Potato' which also explores growing.			
<u>Lesson Number</u>	<u>Learning Objective (s):</u>	<u>Success Criteria:</u>	<u>Brief outline / reasoning for sequence</u>
1	LO: To explore and evaluate products with moving parts.	- I can research products with moving parts (e.g. toys, books, posters). - I can evaluate the moving parts- identifying what is effective and what is not. - I can talk about which moving parts are more effective for different purposes and why.	To start the project the children will spend some time using the ipads, books and real products (including a selection of toys, books and posters with moving parts to research how they work. They will look at what materials are best to use.
2	LO: To investigate and learn how simple levers and sliders work.	- I can explore how sliders work. - I can explore how levers work. - I can talk about the differences between how sliders and levers work.	The children will use a range of products to investigate how they work. Can the children identify and name the different types of moving part (e.g. levers, sliders, flaps) and discover how they work (e.g. what does the user need to do to make the product work- by pulling the slider, lifting the flap, etc.)
3	LO: To design a poster with a moving part (lever or slider).	- I can identify the materials and resources I will need	They will look at the design brief and will complete some research about posters with moving parts. They will

		for my design. - I can design an informative poster about plants. - I can select a moving part (lever or slider) and include it in my design.	design their own poster with a moving part - they will be asked to label their drawings, identifying the different materials and tools that they will need.
4	LO: To make a prototype of a moving poster, including a lever or slider.	- I can make a prototype of a slider and a lever. - I can use tools carefully. - I can select the materials needed for my prototype.	Children will use scrap resources and investigate/ practise making levers and sliders. Alongside this they will need to decide which is the more effective moving part and why.
5	LO: To create my final design.	- I can use my design to support me. - I can use glue and scissors safely and accurately. - I can talk about what I am doing.	This lesson the children will make their moving poster - they will use a range of materials and resources to do this e.g. glue, scissors, glitter, fabric, sequins. They will have their designs on the table when doing this to support them.
6	LO: To evaluate my final product.	- I can talk about the resources and materials I used. - I can identify things I liked about my moving poster. - I can suggest improvements for my final design.	The children will be encouraged to look at each other's moving posters, sharing what they liked about them. They will then evaluate their own final pieces and will identify what is good, what works well and how it could be improved next time.