MEDIUM TERM PLAN

TERM: Autumn 2		YEAR GROUP: 5		SUBJECT: Design and Technology		
WEEK 1 **DATE: WC 4.11.24**	**WEEK 2** **DATE: WC 11.11.24**	**WEEK 3** **DATE: WC 18.11.24**	**WEEK 4** **DATE: WC 25.11.24**	**WEEK 5** **DATE: WC 2.12.24**	**WEEK 6** **DATE: WC 9.12.24**	**WEEK 7** **DATE: WC 16.12.24**
LO: To design a pop-up book. **Success Criteria** I can remember that input is the motion used to start a mechanism and output is the motion that results from starting the input. I know that structures use the movement of the pages to work. I know that mechanisms control movement. I can design a book with a front cover and four pages, including a mixture of structures and mechanisms.	**LO:** To follow my design brief to make my pop-up book. **Success Criteria:** I can use paper, card and glue to make my book structure. I can make mechanisms and structures as detailed in my design template by using sliders, pivots and folds to create movement. **Main Event:** Children make the structure of their books using the video for guidance. Children use the pop-up designs completed in lesson 1. Children label where they want the mechanisms to be	**LO:** To use layers and spacers to cover the working of mechanisms. **Success Criteria:** I can complete the mechanisms and structures as detailed in my design template. I can make my book look neater and more attractive by using layers and spacers to hide relevant parts of my mechanisms. **Main Event:** Recap the mechanisms used so far. Children glue in mechanisms and structures in the positions they decided last week and then	**LO:** To create a high-quality product suitable for a target user. **Success Criteria:** I can complete the surface decoration of my pop-up book by adding the story through: pictures; captions. I know that I need to consider the preferences and needs of the user. I know that good quality making should be neat, accurate and securely assembled. **Main Event:** Children complete the surface decoration for their books using a range of	**LO:** **Success Criteria:** **Main Event:** **Support:** **Challenge** **Completing designs and mechanisms**	**LO:** **Success Criteria:** **Main Event:** **Support:** **Challenge** **Completing designs and mechanisms**	**LO:** **Success Criteria:** **Main Event:** **Support:** **Challenge** **Completing designs and mechanisms**

Main Event: Children watch part one and part two of 'Pop-up book design' videos. Children look at sliders, spacers, layers and levers and what they do. Children complete design template for a four-part story set in the Alps using one mechanism from centre of page and others around it. **Support:** base their book on a well-known story such as Jack and Jill. **Challenge:** Should include different mechanisms and structures on their page.	on the page. Children create the mechanisms they need but do not attach them to their card. **Support**: Could use Jack and Jill template to help create levers. **Challenge:** should work independently and use more complex mechanisms.	add spacers and layers. **Support:** Could simplify their designs, or use Jack and Jill template. **Challenge:** Should include a diverse range of mechanisms, structures or a combination of both.	materials and colours. Children add captions. **Support:** Could use printed characters, and work with only one or two materials. **Challenge:** Should use a range of materials and use them creatively.			