

Year 5- Spring 1

DT: Mechanical systems: 'Making a pop up book' assessment record

Lesson 1, To design a pop up book

- can children remember that:
 - an input is the motion used to start a mechanism?
 - an output is the motion that happens as a result of starting the input?
- Do children know that structures use the movement of the pages to work?
- Do children know that mechanisms control movement?
- Can children design a book made up of a front cover and four pages and include a mixture of structures and mechanisms within it?

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Lesson 2, To follow my design to make a pop up book

- Can children use paper, card and glue to make my book structure?
- Can children make mechanisms and/or structures as detailed in their design template by using sliders, pivots and folds to produce movement?

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Lesson 3, To use layers and spacers to cover the working of mechanisms

Key assessment questions:

- Can children complete the mechanisms and structures as detailed in their design template?
- Can children make their book look neater and more attractive by using layers using spacers to hide relevant parts of my mechanisms?

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Lesson 4, To create a high-quality product for a target user

Key assessment questions:

- Can children complete the surface decoration of my pop-up book by adding the story through pictures?
- Can children complete the surface decoration of my pop-up book by adding the story through captions?
- Do children know that they need to consider the preferences and needs of the user?
- Do children know that good quality making should be neat, accurate and securely assembled?

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