

Mechanical systems - Pop-up books

Innovation

Prior Knowledge

During LKS2 and KS1, you have learnt how to cut and join materials. You have completed units of work on moving pictures and this year you have made a container for your favourite thing. You will use your knowledge of stories to plan and re-tell a story in this unit of work also.



Key Vocabulary

Tier 1: Make, card, cut, fold, pop-up, story

Tier 2: Design, research, brief, product, horizontal, vertical, cam

Tier 3: Prototype, evaluate, aesthetic, consumer, rotary, linear

My Component Knowledge:

Lesson 1: I can investigate pop-up books and consider why they are so popular.

Lesson 2: I can explore the box fold and a mouth fold.

Lesson 3: I can explore the slider, the lift up flap, the rotator and the paper spring.

Lesson 4: I can design a pop-up book with a suitable illustration and match card mechanisms to the movements I want to achieve in my book.

Lesson 5: I can make a pop-up book following the design I have planned.

Lesson 6: I can evaluate my Pop-up book and how it was made.

My Composite Knowledge:

I understand the purpose of a pop-up book. I can design and create something for a target audience by following a design specification.

My Powerful Knowledge:

I know the importance of thinking about the target audience while designing and creating a product. I can evaluate and suggest improvements to a finished product.

What is the purpose of box folds and mouth folds?

What are the steps to make a rotator?

