

D&T

Mechanical Systems

Pop-up Book



Design Brief: To design and make your own interactive Christmas card using a mixture of pop-up structures and interactive mechanisms.



The last two weeks we practiced making a pre-planned and designed pop-up book.

This week you need to design a interactive Christmas card and apply the skills you learnt.

Look back at last weeks book. Discuss with your partner how you could apply these skills to a Christmas's card.





LO: To design and make my own pop-up Christmas card

What can you have as a pop up inside?

How and where could you use levers, sliders, backgrounds and layers?

Spend 20 minutes planning your card.

First we will make the book structure with two pieces of card. The inside card needs to have the pop up section cut in. Stick the outside card to it to hide the pop up cut in.

Then we will need the mechanisms and structures.

Using layers and spacers

Watch this video to recap how to use backgrounds, layers and spacers to hide your mechanisms.



What is similar or different to how we made our Jack and Jill booklet?

Activity: To make your pop-up card

1. The structure

Make the structure of your book

2. Mechanisms and structures

Create the mechanisms and/or structures you want on each page

Wrapping up: Sharing and feedback

Pair up with a new partner and show your creation so far.

Share with the class a really good mechanism or structure you have seen someone else make.

Wrapping up: Sharing and feedback

- Who has stuck to their plan and who has deviated? Why?
- Is your practical work better than your original design? Why?
- What could you do to improve next lesson?