

## KS2 Mechanisms- Pop Up books

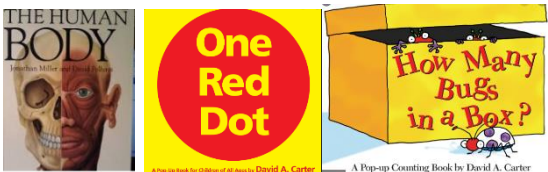
### Key Vocabulary

<b>Model</b>	A representation of a real object.
<b>User</b>	The person using the end product.
<b>Aesthetics</b>	What something looks like
<b>Purpose</b>	The reason why something is made and how this changes depending on who it is created for
<b>Strong</b>	A structure that can support itself
<b>Sturdy</b>	Strongly and solidly built
<b>Airtight</b>	Not allowing air to escape or pass through

### Research

There are many interesting and imaginative pop up books that use different mechanisms to:

- Help tell the story
- Create shock or suspense
- To give great depth of detail



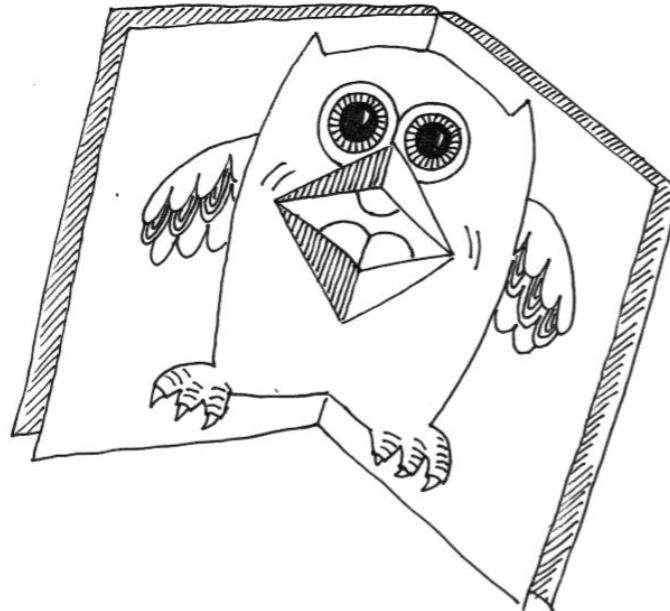
Authors and Illustrators

Key Research Questions

What is the **purpose** of these mechanisms?  
 What is the **mechanism** that helps move each picture?  
 Why would children want to read these books? Think about **interesting design** and aesthetics.  
 How does this help create an **effective** story?

### The Project

<b>Introduction</b>	Working in small groups, this project is designed to pool together your creative ideas to create a pop up book that uses different mechanisms to help tell an engaging story to young children
<b>Purpose for Project</b>	To design and make a moving picture book for young children to enjoy, these books will be given the Gamlingay Eco Hub.



### Design

Story Boards

Story boards give an overview of a story and help sequence a plot in the right order. They can be basic in both illustration and written word but the mechanism you wish to use needs to be included.

One person from each group can then easily choose one picture from the board.



Design and Illustration Mediums

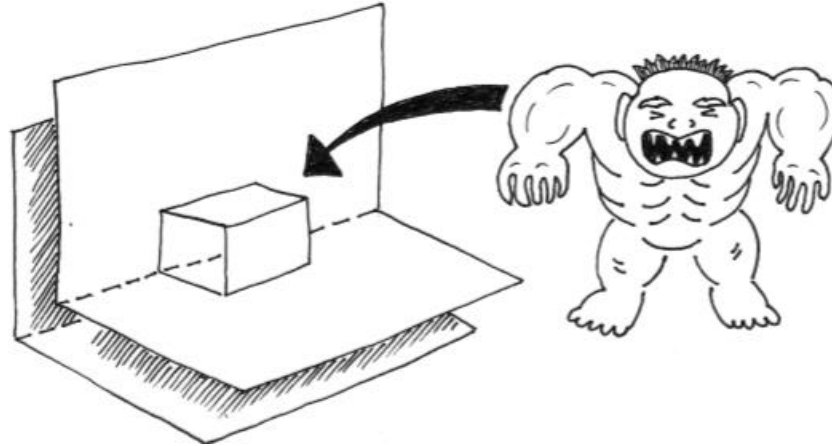
Design different versions of your picture exploring different draw mediums such as pencil, crayon, charcoal and pastel.



**Male**

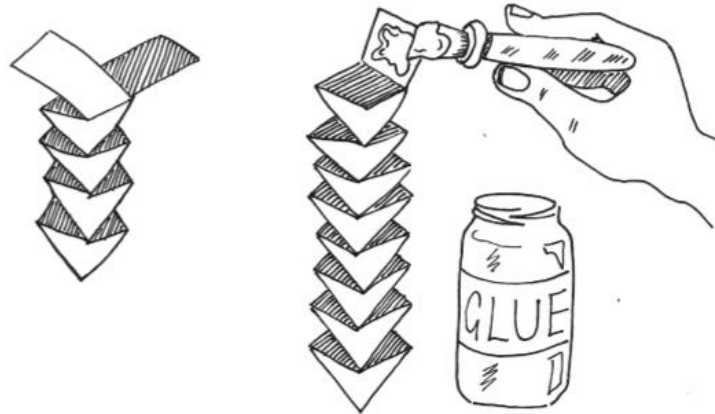
**Box Fold**

1. Take a piece of card and fold in in half.
2. Mark your *box* that on both sides of the card and cut.
3. Open the card again and pushing your fold outwards.
4. Close card carefully and smooth it flat, when opened the flap makes a box shape so fold the second piece of card and glue behind to make backing.



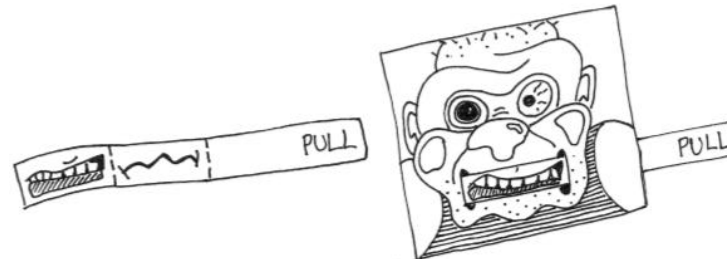
**A Paper spring pop up**

1. Glue one strip over the end of the other, so that the strips make a right angle
2. Fold the second strip over the edge of the first and crease fold the first strip across the second strip in the same way
3. Continue to fold strips back over each other to form a paper spring continue until the paper runs out.
4. Glue down last flap.
5. Trim off extra paper from other strip



**Slider Mechanism**

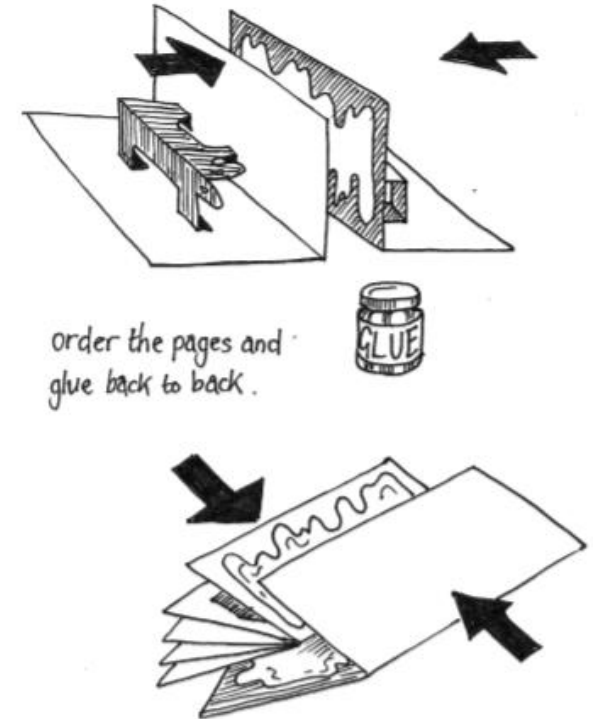
1. Draw the face or subject that will remain stationary
2. Draw the slider on a piece of card with two different options (angry expression and silly expression) include a pull tab.
3. Cut out the space on the stationary subject that will change
4. Insert the slider



**Mske**

**Putting the book together**

1. Take a piece of card the size of the open book
2. Fold the card in half so that short edges meet to form the cover.
3. Order the pages and glue back to back



**Evaluate**

**You will learn how to**

- Think critically about your project against the design criteria
- Ask a peer to give their reflection of the successes of your project, outlining one area to work on
- Reflect on the problems you encountered and how you over came them
- Suggest how you could extend this project further if you were to do it again.