

KS1: Mechanisms- Moving Pictures

Key Vocabulary

Mechanism	Different pieces working together to help something move
User	The person using the end product.
Aesthetics	What something looks like
Purpose	The reason why something is made and how this changes depending on who it is created for
Sliders	A mechanism that moves an image left to right and up to down.
Levers and Pivots	A mechanism that moves part of the image to open and close, up and down or in a full circle

The Project

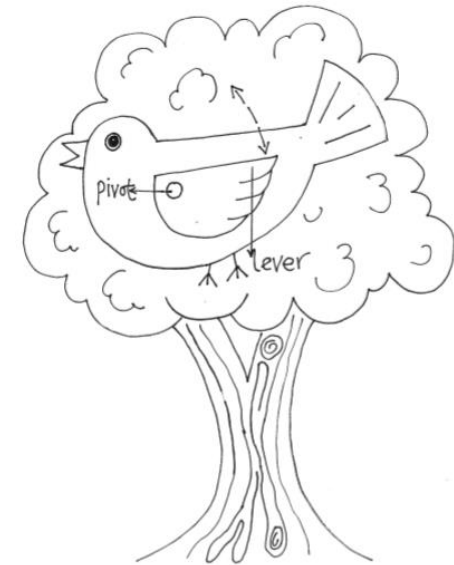
Introduction	This project is designed to introduce you to mechanisms, things that work together to help make something move. The main focus of this project is for you to try and make different mechanisms that will move parts of your picture and help tell a simple story.
Purpose for Project	To design and make a moving picture for young children to enjoy, these pictures will be given the Gamlingay Eco Hub.

Design

Draw the mechanism you are going to use ensuring that you:

- label the direction of movement e.g. side to side or up and down?
- Label correctly the different parts of the mechanism
- Think about the background that your design will sit on.
- Write and sentences you may include to help explain or tell the story.

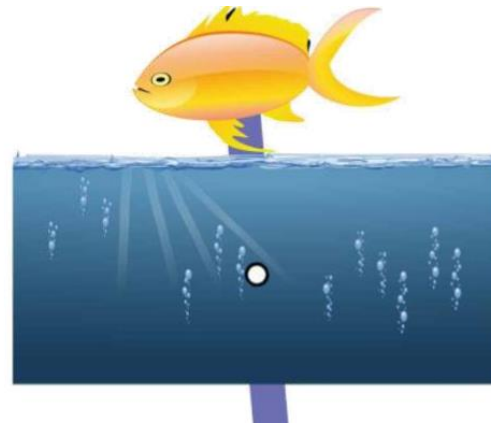
Mechanism and labelling.



"There was once a little bird who was oh so small..."

Research

Illustrators and Authors	
Key Research Questions	<p>What is the purpose of these mechanisms?</p> <p>What is the mechanism that helps move each picture?</p> <p>Why would children want to read these books? Think about interesting design and aesthetics?</p> <p>How does this help create an effective story?</p>



Make

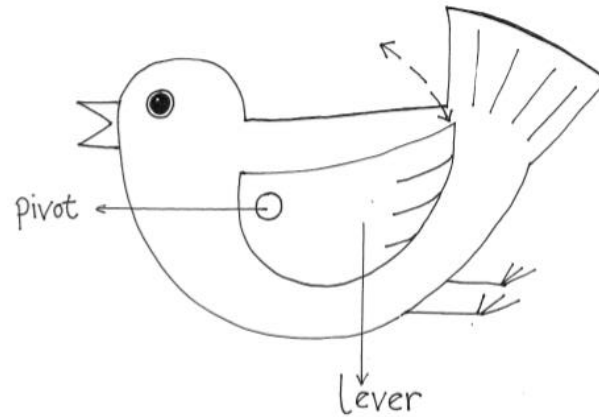
Pivot and Lever Mechanism

First cut the two pieces of Your mechanism the part that is the base (bird) and the part is your lever (wing)

Next mark on the base and the lever where you will be making the hole.

Punch a hole using a hole puncher into both base and lever and insert a split pin

Finally split the pin so that the lever is loose enough to move but tight enough to keeps its desired angle.

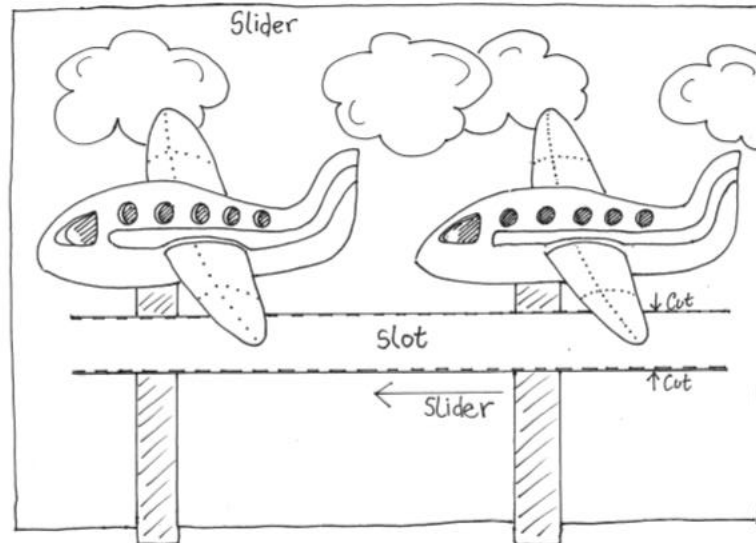


Sliders

Firstly draw the background and the image that will be moving, i.e. a plane

Next cut down either side of the paper taking care not to cut to the end, this will be your slot. Alternatively stick a card strip on to of your picture, using cello tape and glue at both ends.

Finally, stick your moving picture to a card strip to act as the handle.



Evaluate

You will learn how to

Use your own opinion to decide if you like your project and why

Use some the design criteria, based on your research and designs, to think how successful you have been.

Begin considering what you could have changed based on your on design criteria.