

Knowledge organiser Y5 Mechanical Pop-Up Book



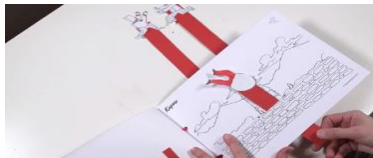
My Key Learning

What do I already know?

I understand a linkage is a system of levers connected by a pivot.



I know that a slider mechanism moves an object from side to side. I know a slider mechanism has a slider, slots, guides and an object.



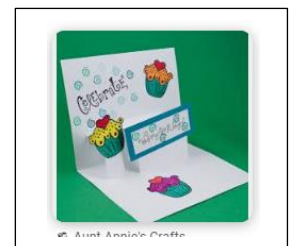
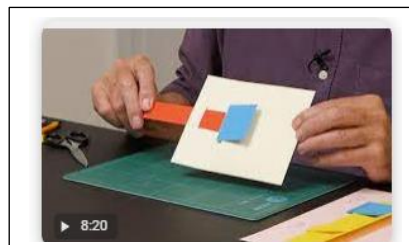
Pop up books use a mixture of structures and mechanisms by using sliders, pivots and folds to produce movement.

Input is the motion used to start a mechanism. **Output** is the motion that happens as a result of the input.

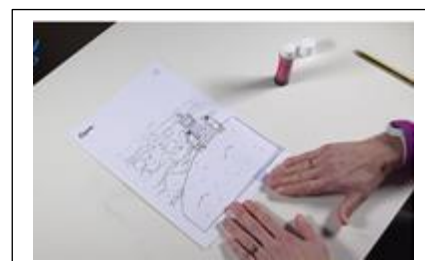


Think of a see-saw, when you sit on your side of the see-saw (**input**) your friend goes up on the other side. (**output**)

Key Vocabulary	Definition
Aesthetic	How an object or product looks.
Caption	A short piece of writing under a picture that describes or explains a picture.
Design brief	A description of what you are going to design and make and how it will work.
Function	How an object or product operates or works.
Mechanism	A system of parts working together.
Motion	The movement an object makes when controlled by an input or output.
Prototype	A simple model that lets you test out your idea, showing how it will look and work.
Slider	A part of a mechanism which allows an object to move from side-to-side
Template	A stencil made of metal, plastic or paper used for making many copies of a shape or to help cut material accurately



Spacers are used to create layers to hide mechanisms, making the look neater and more desirable.



The surface decoration of products should include pictures and captions. When adding decoration we need to consider the needs and preference of the user.

