

Year 5 - Mechanical Systems: Making a Pop-up Book.

Key Vocabulary

Aesthetic	How an object or product looks.
Caption	A short piece of writing under a picture that describes or explains the picture.
Design	To make, draw or write plans for something.
Design brief	A description of what you are going to design and make and how will it look.
Exploded-diagram	A diagram which shows all of the parts of a product, including the internal and external parts.
Function	How an object or product operates or works.
Input	The motion used to start a mechanism.
Mechanism	A system of parts working together.
Motion	The movement an object makes when controlled by an input or output (e.g. left, right, up, down).
Output	Motion that happens as a result of starting the input.
Prototype	A simple model that lets you test out your idea, showing how will it work.
Sliders	A part of mechanism which allows an object to move from side-to-side (e.g. left to right).
Template	A stencil made of metal, plastic or paper used for making many copies of a shape to help cut material accurately (e.g. Biscuit cutter).

Key Facts:

Did you know?



Did you know that the first children's pop-up books were invented in the 1700s? That's over 300 years ago! Lothar Meggendorfer was a well-known pop-up author in the 1800s.

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**)