Year 5: Mechanical systems– Pop-up books

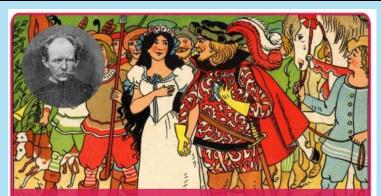
KEY FACTS:

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)

DID YOU KNOW?

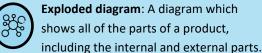


Did you know that the first children's pop-up books were invented in the 1700s? That's over 300 years ago! Lothar Meggendorfer was a well-known pop-up author in the 1800s.

KEY VOCABULARY:

Aesthetic: How an object or product looks.

- - **CAD**: Computer-aided-design. To use the computer to design a product, diagram or drawing.





Function: How an object or product operates or works.

Linkage: A set of bars linked together to

Motion: The movement an object makes

when controlled by an input or output

form a mechanism.

(e.g. left, right, up, down).

Input: Input is the motion used to start a mechanism.

> **Mechanism:** A system of parts working together.

Output: Output is the motion that happens as a result of starting the input.

Prototype: A simple model that lets you test out your idea, showing how it will look and work.



Pivots: A shaft or pin on which some-





