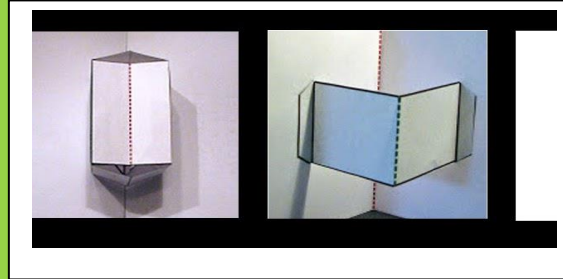




Key Vocabulary

Images:



tab	a small flap or strip of material attached to or projecting from something, used to hold, fasten, or manipulate it,
flap	a thin, flat piece of cloth, paper, metal, etc. that is hinged or attached on one side only and covers an opening or hangs down from something.
3-D	having or appearing to have length, breadth, and depth.
fold	bend (something flexible and relatively flat) over on itself so that one part of it covers another.
stiffen	support or strengthen (a garment or fabric), typically by adding tape or an adhesive layer.
illustrate	provide (a book, newspaper, etc.) with pictures.
moveable	capable of being moved.
pop -up	containing folded cut-out pictures that rise up to form a three-dimensional scene or figure when the page is turned.
V-fold	one fold which creates two panels
crease	a line or ridge produced on paper or cloth by folding, pressing, or crushing.
linkage	A bar attached to a pivot

Knowledge

- *To know that research of existing products is important.
- *To know that there are a variety of ways to make moving mechanisms from card
- *To know how to build several basic card mechanisms to create a book with moving parts.
- *To know that split pins can be used to make moving gears and linkages.
- *To know that there can be a range of audiences for moving books.
- *To know that using layers of card or thicker card can be used to strengthen and reinforce and that firm creases can strengthen folds
- *To know that audience research is important for new products and that consumer research can be used to improve products.

Skills:

- To use research and develop design criteria to inform the design of innovative, functional appealing products that are fit for purpose, aimed at particular individuals or groups.
- Generate, develop, model and communicate their ideas through discussion and annotated sketches.
- To be able to select the right tools and equipment to perform practical tasks.
- To be able to analyse and evaluate a range of products (pop-up books)
- Evaluate ideas against their own success criteria and make improvements.
- To be able to apply their understanding on how to strengthen, stiffen and reinforce more complex structures.

