

Year 3 Parakeets



DT



Autumn 2

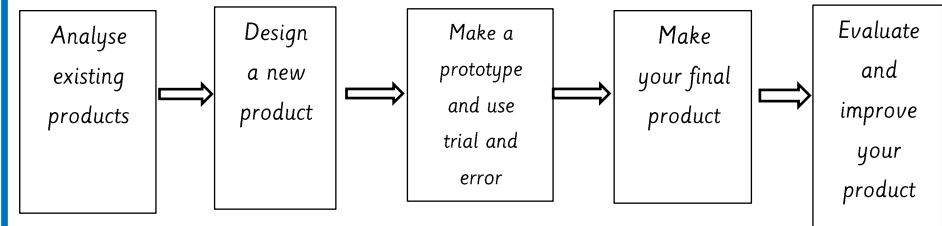
Pop up books

Pop-up book examples

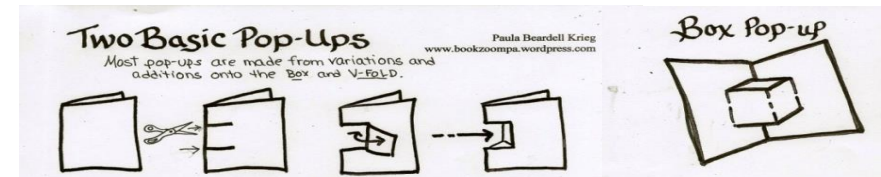


Key Vocabulary	Definition
aesthetic	The beauty of something
component	A part of element of an object
design	A plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made.
linear motion	Moving in a straight line, e.g. paper trimmer
mechanism	A system of parts working together in a machine; a piece of machinery.
oscillating motion	Swinging from side to side in an arc, e.g. A pendulum in a clock.
pivot	To turn on a central point.
prototype	A first or preliminary version of a device from which other forms are developed.
purpose	The reason for which something is done or created or for which something exists.
reciprocating motion	Moving forwards and backwards in a straight line, e.g. cutting with a saw.
rotary motion	Turning around in a circle, e.g. a wheel.

The design processes



Different types of pop in pop up books



Box pop up

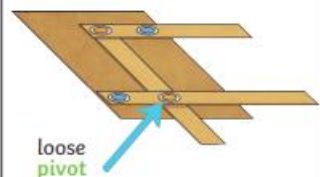


V fold pop up



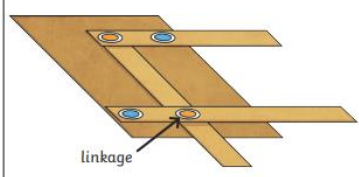
Loose Pivot

Joins the levers together.



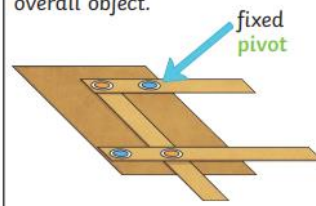
Linkage

The part of the mechanism used to join one or more levers to produce the type of movement required.



Fixed Pivot

Joins the levers to the overall object.



loose pivot

linkage

fixed pivot