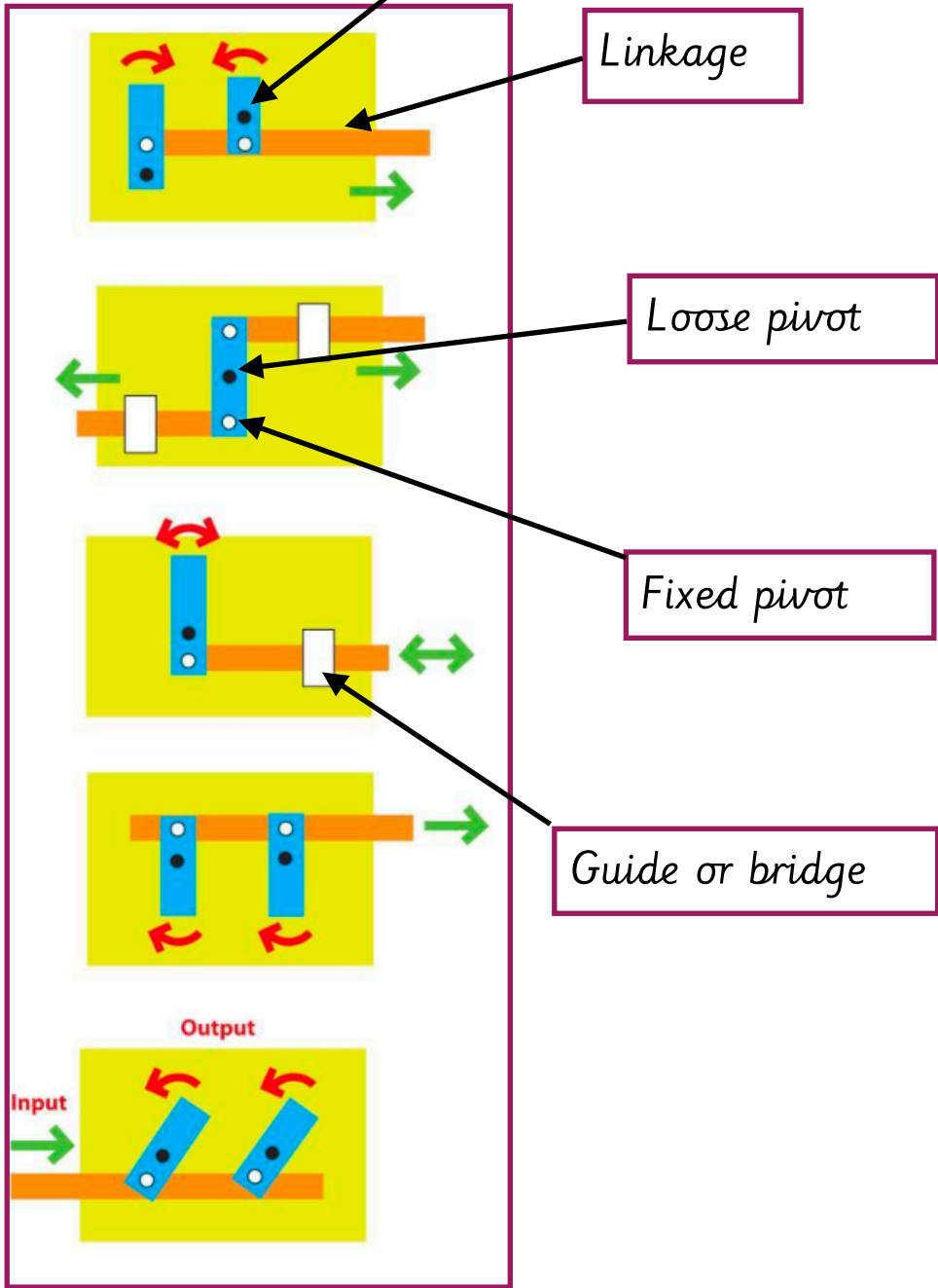




Year 3  
DT - Mechanisms: Levers and Linkages

Key vocabulary	
mechanism	Parts in a machine that work together to create movement
lever	A rigid bar that moves around a pivot
linkage	A rigid bar that moves backwards and forwards along a straight line
slot	The hole that a lever or slider goes through to hold it in place
guide or bridge	A short card strip used to keep sliders in place and control movement
loose pivot	A paper fastener that joins card strips together
fixed pivot	A paper fastener that joins card strips to the backing card
system	A set of related components used to make an outcome e.g. to make a picture move
rigid	Can't bend, not flexible



Lever and linkage mechanisms usually produce oscillating or reciprocating movement:

- Linear - in a straight line
- Reciprocating - backwards and forwards in a straight line e.g. a slider
- Rotary - round and round e.g. a wheel, cam, pulley, gear wheel
- Oscillating - backwards and forwards in an arc e.g. a lever

**Making a pop-up from a small section of a recycled box:**

1. Cut a slice off a small box.
2. Glue two sides to the paper.
3. Stick a picture to pop up on the front.