

Y1 Design and Technology - Mechanisms

Key vocabulary:

Design: To imagine new objects or ways to improve old objects.

Technology: The materials and techniques used to make or improve objects.

Plan: To decide what steps to make an object.

Moving Picture Parts: A picture with parts that can be moved by pushing or pulling.

Pivot mechanism: Uses a split pin which allows the attached part to pivot.

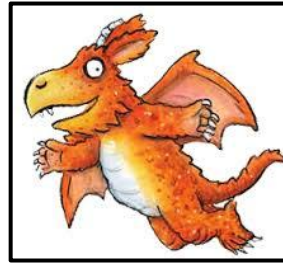
Pivot: To move around a fixed point. This type of movement is called rotation.

Sliding mechanism: A fixed 'slider' will enable a part to move along a straight line. A free 'slider' also allows for upwards and downwards motion.

Joining: A method to attach two parts together.

Evaluate: Talk about what has worked well or what has not worked.

Describe how Zog moves through the air as he flies. Can you create an action for each movement?



up, down
above, below

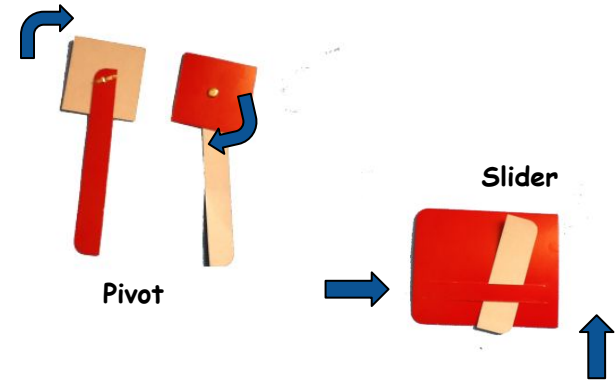
left, right

turn towards

forwards, backwards
sideways

loop-the-loop
zig-zag

What differences can you describe between a pivoting and sliding mechanism?



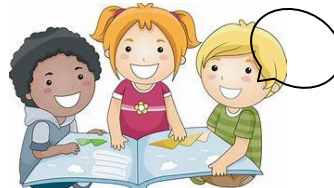
A split pin is a fastener that is made of a soft, malleable metal.

The split shaft of the pin passes through the card and the legs are bent to form an angle, holding the pin and card in place.



Task: To make a moving picture to help children use positional and directional language.

How do you stay safe when using scissors?



Scissors are sharp!



Article 29: RRS:
Develop every child's talents and abilities.