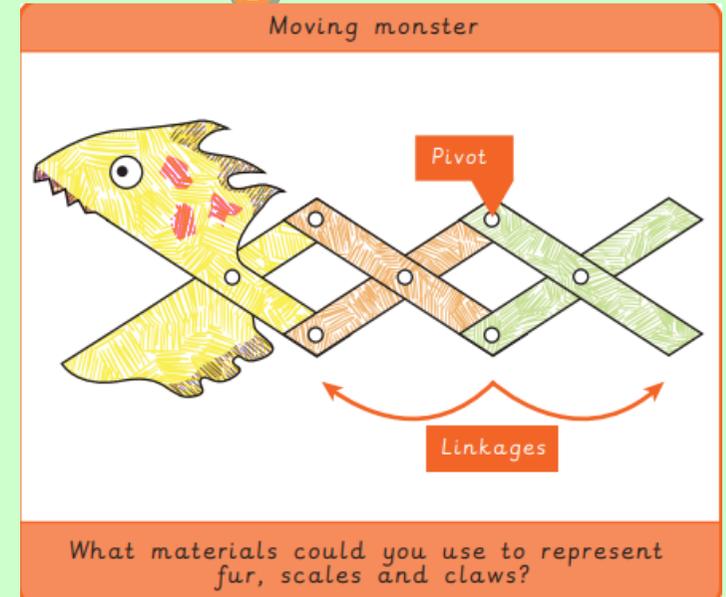


Mechanisms, Making a moving monster

Key Vocabulary:	
Mechanism	A Mechanism is a collection of parts that work together to create a movement when a force is exerted on it
Linkage	Linkages are an essential part of many mechanisms. They can be used to change direction, alter speed and change the timing of moving parts.
Lever	Lever is an essential part of many mechanisms. They can be used to change the amount, the strength and the direction of movement.
Pivot	A pivot is a shaft or pin on which something turns.
Axle	An axle is a shaft or pin on which something turns.



The four types of motion:



Linear motion
Movement in a straight line in any one direction.

Reciprocating motion
Movement in a straight line, back and forth, in any direction.

Rotary motion
Movement in a circular motion.

Oscillating motion
Movement in a curve, back and forth.

Sticky Knowledge facts:

- ◆ Levers and linkages are used to create and sometimes alter movement.
- ◆ An input is the energy that is used to start something working and an output is the movement that happens as a result of the input.
- ◆ Using a design keeps you focused. It shows the steps you need to take from the beginning of the process, through to the making, implementation, and finally the evaluation.
- ◆ It is important for a designer to test and evaluate their finished product to make that the product is fit for purpose.