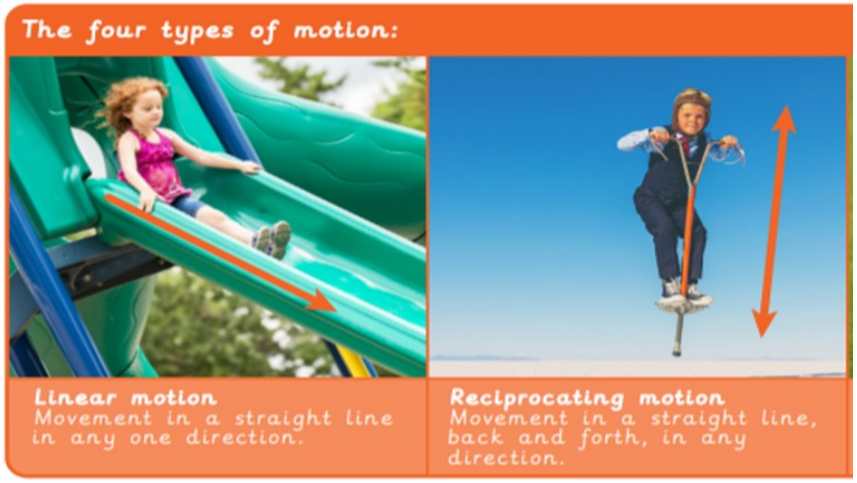
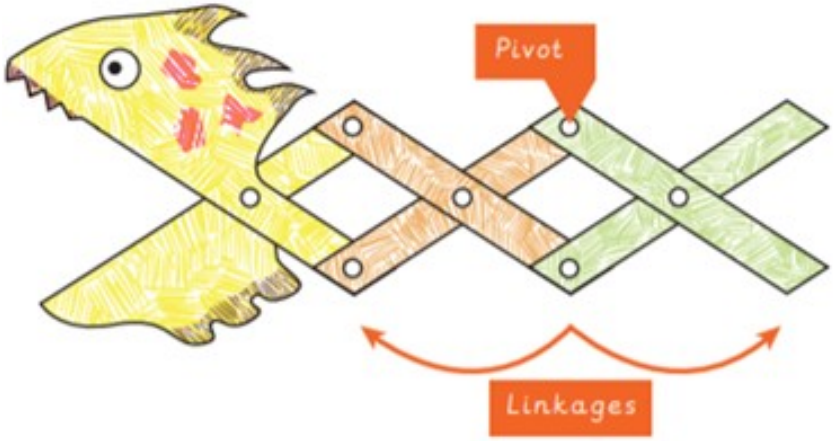
Y2—Mechanisms—Moving Monsters





Vocabulary

Evaluation—when you look at the good and the bad points about something, then think about how you could improve.

Input—the energy that is used to start something working.

Linkage—Lengths of material that are joined together by pivots so that the links can move as part of a mechanism.

Mechanism—A collection of parts that work together to create a movement.

Output—output is the motion that happens as a result of starting the input.

Pivot—the central point, pin or shaft on which a mechanism turns or swings.

Survey—To ask a group of people questions about something and to use their answers to make improvements.

What I already know:

- How to design purposeful, functional, appealing products for themselves and other users based on design criteria
- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]
- explore and evaluate a range of existing products
- evaluate their ideas and products against design criteria Technical knowledge
- build structures, exploring how they can be made stronger, stiffer and more stable
- explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.

What I will know:

- I will understand inputs and outputs of mechanisms and they are collection of moving parts that work together in a machine
- I will be able to identify mechanisms in everyday objects
- will be able to understand the purpose and functions of levers, linkages and pivots
- I will be able to design and make a moving monster
- I will be able to use joining methods to decorate my puppet