



We are Designers...

Mechanisms

We are curious, we are unique, we are together, we are Whiteshill!

Design – to plan something before it is made.

Make – create a product.

Evaluate – to judge how a product meets the design criteria.

Design criteria – list of things the product should do.

Audience – who are we making the product for.

Purpose – what is the product used for.

Product – something that is made by humans.

Material – what the product is made of.

Idea – what you think you should make.

Feedback – what do people think of your product.

Mechanisms

Axle – a rod that enables a wheel to rotate. The wheel can rotate freely on the axle or be fixed to, and turn with, the axle.

Axle holder – the component through which an axle fits and rotates.

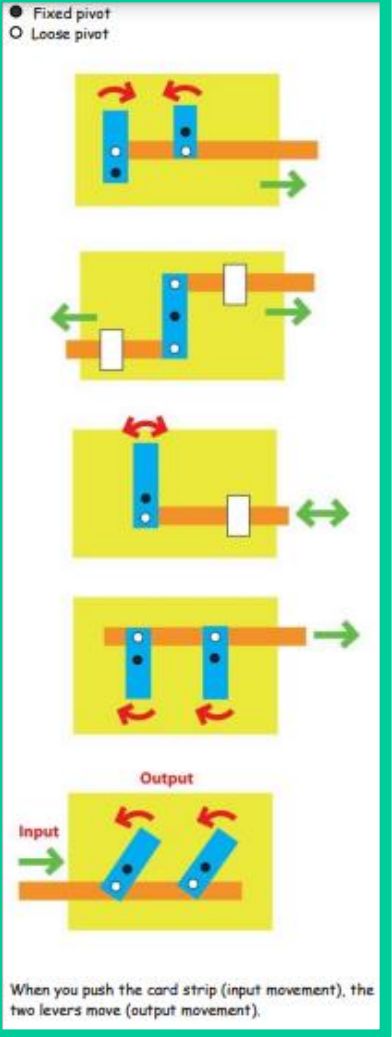
Chassis – the frame or base on which a vehicle is built.

Force – an influence that changes the motion of an object.

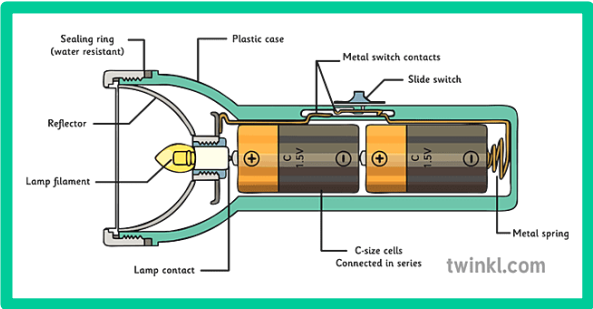
Adjust – change slightly based on feedback.

Effective – works as it should

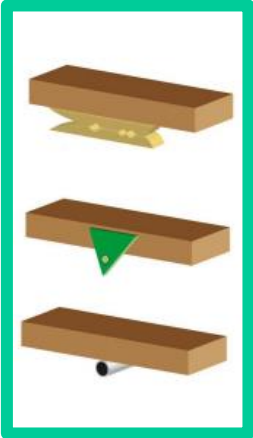
Levers and Linkages



Cross-sectional Diagrams



Axle Holders



Exploded Diagrams

