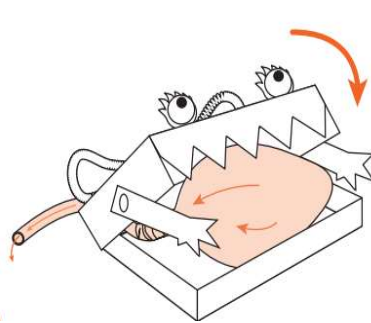


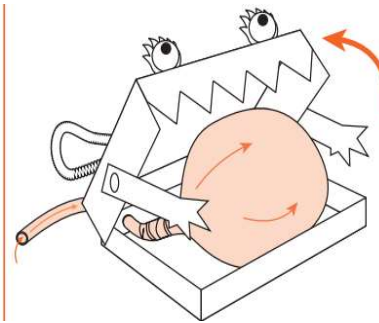
Year 3 Knowledge
Organiser -
Pneumatic toys



Key Facts:



When air exits the balloon, the monster's mouth closes.



When air enters the balloon, the monster's mouth opens.

Key vocabulary

Exploded-diagram – a diagram which shows all of the parts of a product, including the internal and external parts.

Function – how something works.

Input – input is the motion used to start a mechanism.

Linkage – lengths of material (for example, metal or card) that are joined together by pivots, so that the links can move as part of a mechanism.

Motion – the movement an object makes when controlled by an input or output (e.g. left, right, up, down).

Net – a 2D flat shape, that can become a 3D shape once assembled.

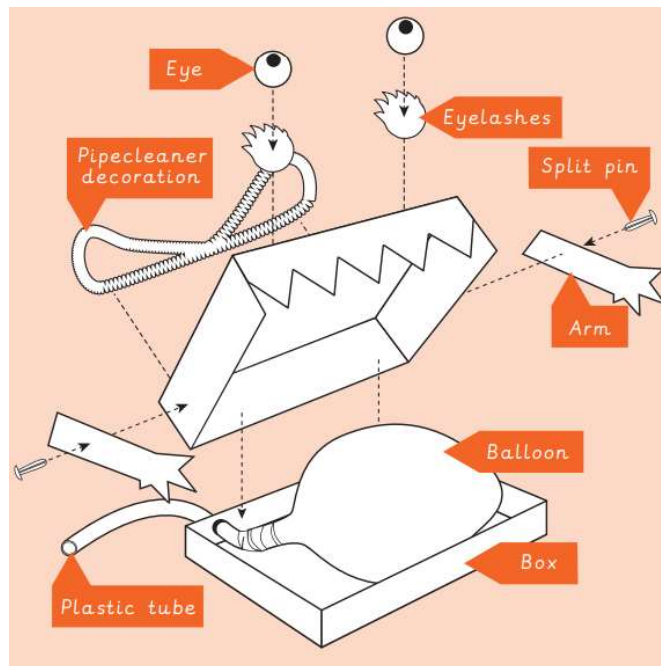
Output – output is the motion that happens as a result of starting the input.

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

Pneumatic System – a mechanism that runs on air or compressed gas.

Thumbnail Sketch – small drawings to get ideas down on paper quickly.

Exploded-diagrams allow us to see how a product is put together and the different components inside.



You will need:

