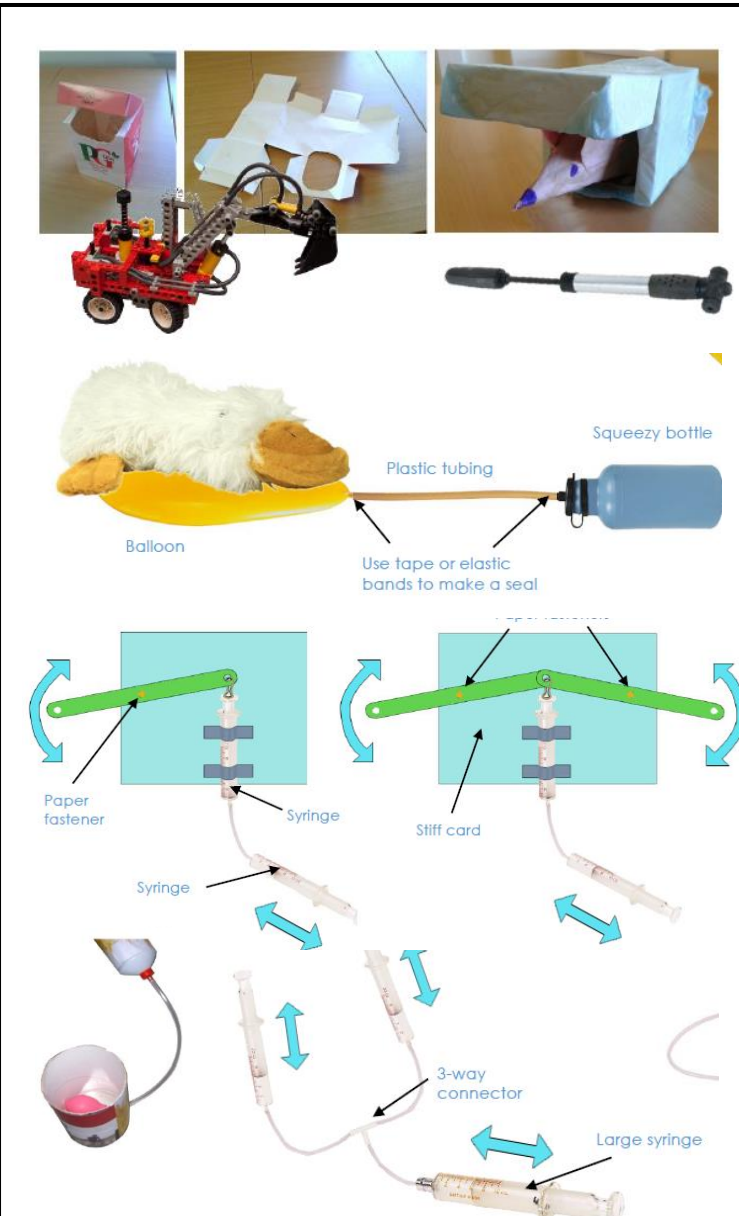


Key Vocabulary

Key Word	Definition
Components	a part or element of a larger whole, especially a part of a machine or vehicle
Tubing	a length or lengths of metal, plastic, glass, etc., in tubular form
Syringe	a tube with a nozzle and plunger for sucking and blowing air or liquids.
Plunger	device or mechanism that works with a plunging or thrusting movement
Pneumatic system	Pneumatic systems are systems that use compressed air (squeezed air) to make things move.
Input movement	Input – what goes into a system. the 'input movement' is where the user pushes or pulls a syringe or pump.
Output movement	Output – what comes out of a system 'output movement' is where the object at the end of the tube moves.
Compression	Compressed – something that is squashed, such as air in a tube.
Inflate	To let gas / air in 'gets bigger'
Deflate	To let gas / air out 'gets smaller'

LKS2 Knowledge Organiser Spring Term Pneumatics



Learning Sequence

1

Explore pneumatic mechanisms in the real world.

2

Select tools, materials, kits to create pneumatic mechanisms.

3

Explain how components of my design work

4

Cut, mark and measure materials, accurately

5

Assemble, join and combine materials, accurately to make a pneumatic mechanism

6

Evaluate my product against my design, independently.