<u>Design Technology Subject Knowledge Bank</u> <u>Year 6: Pneumatics</u>



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	<u>Definition</u>
Vocabulary	
Pneumatic	The use of air to make things
	move.
Pressure	A steady force upon a surface.
Input	What is put in, taken in, or
•	operated on by any process or
	system
Output	The amount of something
•	produced by a person, machine,
	or industry
Piston	A disc or short cylinder fitting
	closely within a tube in which it
	moves up and down against a
	liquid or gas, to derive motion, or
	in a pump to impart motion.
Syringe	A tube with a nozzle and piston or
, 0-	bulb for sucking in and ejecting



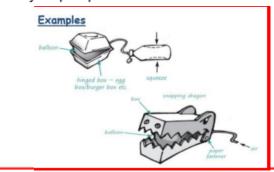
Examples of Pneumatics

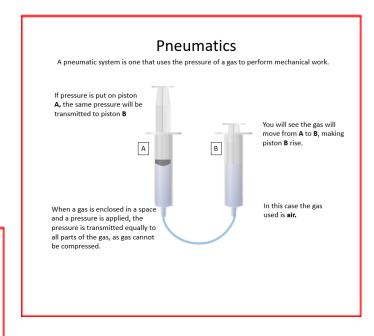


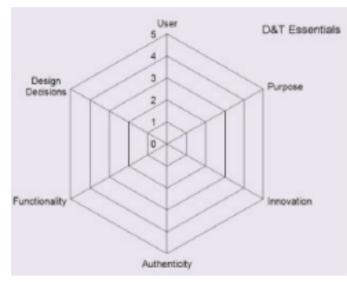
Pneumatics - The use of pressurised air to make things move.

Some real-life examples include:

- tyres.
- · pneumatic drills used in construction;
- · door openings on buses and trains;
- floors that raise and lower on buses and trains, which help people get on and off;
- · air brakes;
- · bicycle pump







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