



Year: **Three**

Subject: **D&T**

Topic: **What does PNEUMATIC mean?**

1. What I should already know:

This unit builds on Units [1A 'Moving pictures](#)

2. What I am going to learn:

What does pneumatic mean?

The word 'pneumatics comes from the Greek word 'pneumatikos' where:

pneu = wind/gasses

matikos = power

Pneumatics is the science and technology of using air under pressure to transmit force and energy which will make things move.

We will learn that pneumatic systems can be used in combination with simple levers to control movement.

We will be making a 'Moving Monster'.



3. Diagram / picture / quotation:



Everyday things that use pneumatics.

4. Important vocabulary and facts:

| SPELLING | DEFINITION |
|------------------|--|
| air | Air is the general name for the mixture of gases that makes up the Earth's atmosphere. Air has no colour, taste, or odour. Although air is invisible, people can hear air when the wind howls. |
| pneumatic | using air under pressure to make things move |
| pressure | Pressure is a measure of how much force is acting on an area. |
| syringe | a tube with a nozzle and piston for sucking in and pushing our air or liquid |
| tubing | a length or lengths of metal, plastic, glass, etc., in tubular form. |

5. Resources and skills to help me learn:

'Think about where else you can see air in action'

For lots of other STEM projects:

<https://www.makerspaces.com/25-makerspace-projects-for-kids/>