

DT: Mechanisms: Pneumatic Toys

Key Vocabulary:

Pneumatic System	A system that compresses air to create movement
Exploded Diagram	A diagram that shows the inside of a product
Design Brief	A document which gives designers guidance on the product they will make
Design Criteria	The requirements a product should have in terms of its form, function and features
Syringe	A device that can be used to insert or remove air from a system by pushing it up or down



Sticky Knowledge Facts:

- A pneumatic system forces air over a distance to create movement by moving the air quickly from the input to the output mechanism.
- Exploded diagrams are diagrams that show the inside of a product. These are helpful because they show the audience how to put the pieces together.
- A design brief can help to create a design criteria, which can be used to design an effective product for an intended user.
- Syringes and balloons can create different pneumatic systems.
- It is important to evaluate my product against the design criteria to make sure it fulfills the design brief.



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