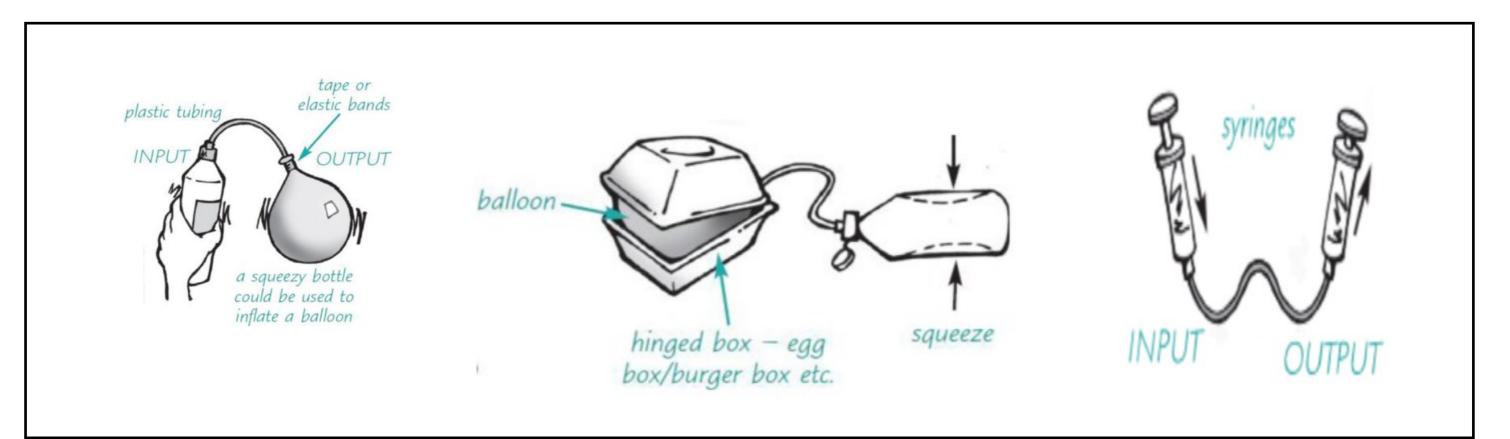
## Easton CE Academy Knowledge Organiser for Year 4 D&T Moving Mascot

Tier 3 Vocabulary		
inflate	to make something expand by blowing air into it	
deflate	to let air out of something	
prototype	A practice version of a product.	
tubing	flexible hose or pipe material	
compressed	Something that is squashed like air in a tube	
appeal	people will like it	
syringe	A system that compresses air and pushes it through the nozzle (output)	
mascot	Thing that is supposed to bring good luck, often linked to a sporting team	
lever	A bar used to move an item by applying pressure	
pressure	Force against an object by making con- tact.	

## D&T skills

The skills of a designer are to:	Materials that can be recycled	Paper, cardboard, plas- tic and wood
Design	A set of things that work together to form a	system
Describe why the product will be made.	mechanism is called a	
Research information about pneumatic systems.	Pneumatic systems are operated by	air
Test ideas using a prototype	The weight of air is called	air pressure
Make a realistic idea of how your final product will work.		
Make	The process of moving is called	motion
select tools and equipment fit for the task Explain your choice of tools.	When something goes into a system it is called	input
Plan the steps of making.	When something goes out of a system it is called the	output
Mark out, cut and shape materials	How much strength you use is called	force
Evaluate		
Understand the purpose, appeal and effectiveness of existing toys Test your prototype to make your final design better.	When we fit things together to make a system it is called	assembling
Discuss what went well and what could have gone better with your final		
design.	The piece of a system where two materials fit together is called a	join

**Pictures and Diagrams** 



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## Key Facts