



St Leo's and Southmead
Catholic Nursery and Primary
School

Year
Three

Design Technology Knowledge Organiser

Summer
Term 2

Amazing Activities

Explore balloons, blow-ers, blow football

Key Concepts

- To investigate a variety of familiar objects that use air to make them work.
- To investigate techniques for making simple pneumatic systems.
- To be able to gather ideas for creating moving monster
- To be able to design a monster including a moving pneumatic system.
- To be able to make a monster with a moving pneumatic part.
- To be able to evaluate a finished product.



How can we make our monster move?



Curriculum Links

- Science, - opportunities to consider air resistance
- Art - opportunities to create observational drawings

Skills

- Generate ideas for products
- Use annotated sketches to show ideas
- Select appropriate tools and techniques.
- Assemble/ join materials
- Use a range of techniques to shape and mould
- Evaluate their design,

Key Vocabulary

Pneumatic System	A system that uses air pressure to produce and control movement.
Inflate/	To fill a structure (balloon, tyre) with air.
Deflate	To remove air from a structure.
Syringe	
Tubing	

Nurture, Inspire, Succeed'