



St Leo's and Southmead
Catholic Nursery and Primary
School

Year
Two

Science Knowledge Organiser

Autumn
Term

Amazing Activities

- To investigate the materials and their uses in the home and around school.
- To conduct an Investigation in the style of a famous scientist explored.

Key Concepts

- Name the properties of everyday materials.
- Compare and group materials on the basis of their simple properties.
- Everyday materials can be used for a variety of purposes and identify their uses.
- That shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
- Identify and sort materials that are natural from those that are man made materials.
- Charles Macintosh invented the first waterproof fabric.
- John Boyd Dunlop invented the first inflated rubber tyre.
- John Loudon McAdam invented a hard, smooth surface to use when building roads.

MATERIALS

Skills

- To perform simple investigations
- To observe closely using simple equipment
- To gather and record information to help answer questions posed
- To identify, group and classify materials based upon properties identified.



Charles Macintosh
1766-1843



John Boyd Dunlop
1840-1921



John Loudon
McAdam
1756-1836

Curriculum Links

- Literacy Link:** Opportunities for the children to use books and websites to research.
- Maths Link:** Opportunities for the children to collect and handle information collected during investigations.



changes shape and
stays changed



changes shape temporarily but
goes back to original shape



cannot
change
shape

Key Vocabulary

Key Vocabulary	Definition
Bend	to make into a curve shape
Inflatable	Can be filled with air
Liquid	A substance that is not a solid or a gas
Man made	Made by humans
Material	a substance used to make something
Natural	as found in nature
Opaque	A material which does not allow light to pass through
Object	Something that can be seen or touched
Property	a characteristic of something
Rubber	a tough material that can be easily shaped
Squash	Crush something into a flat shape
Stretch	Made longer or wider without tearing or breaking
Twist	Change the shape of something by turning

