

# SCIENCE: The Magic Toymaker

## Autumn B

## Year 2

### Key Ideas

Materials are chosen because of their property / ies.	When an object is made, there is a choice for which material is used. By investigating the things that a particular material can or can not do can decide which material is the most suitable.
Materials serve lots of purposes.	some materials are used for more than one thing (metal can be used for coins, cans, cars and table legs; wood can be used for matches, floors, and telegraph poles) or different materials are used for the same thing (spoons can be made from plastic, wood, metal, but not normally from glass).

### Key Questions

- Why is that object made from that material?
- Are there any other materials that would be suitable?

Key words	Explanation
materials	the matter from which a thing is or can be made.
Properties	an attribute, quality, or characteristic of something
suitable	right or appropriate for a particular purpose
purpose	job
natural	existing in or derived from nature; not made or caused by humankind.
man-made	Produced by human design not of natural origin; prepared or made artificially
identify	recognise
classify	arrange (a group of things) in classes or categories according to shared qualities or characteristics.

### Key Figure

John Dunlop



Familiar with making rubber devices, he re-invented pneumatic tyres for his child's tricycle and developed them for use in cycle racing.

Charles Macintosh



Charles Macintosh FRS was a Scottish chemist and the inventor of waterproof fabric. The Mackintosh raincoat is named after him.