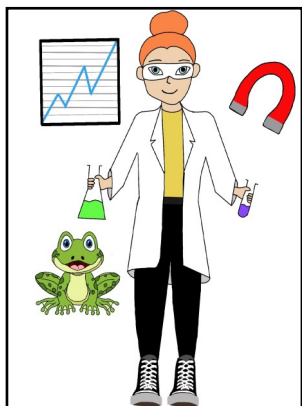




Knowledge Organiser

Year Group:	2	Subject:	Science– Materials	Term:	Autumn 1
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Enquiry Question

How do we choose materials?

Substantive Knowledge (key facts)

- Materials are the substances that things are made from.
- Different materials have different properties: they behave or do things in different ways.
- The shape of some materials can be changed by squashing, bending, twisting, or stretching them.

What should I already know?

- Objects are things that you can touch or see.
- Objects are made from materials.
- Name some materials that objects are made from (e.g. glass, wood, plastic).
- Use some words to describe materials (e.g. shiny, soft, rough).

Concept

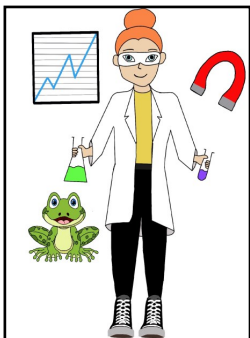


Sequence of learning

1)	Identify and name a variety of everyday materials, including wood plastic, glass, metal, water and rock.
2)	Distinguish between an object and the material from which is made.
3)	Group and classify objects.
4)	Identify that the shape of some materials can be changed when manipulated.
5)	Manipulate a material so that it changes shape for a purpose.

Scientific skills I am practising

- I can ask questions about what I notice.
- I can group and classify things.
- I can use different types of Scientific enquiry to gather and record data, using simple equipment
- I notice patterns in my observations or data
- I can carry out simple comparative tests.



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Key vocabulary	
Tier 2	Tier 3
Materials Properties	Investigation
Transparent Opaque	Substances
Rigid/Sturdy	Manipulate
Waterproof	