

## Knowledge Organiser

**Subject: Science**

**Unit: Everyday Materials**

**Overview:**

During this sequence of learning, pupils will identify and name different materials, distinguish between an object and the material it is made from, describe the properties of materials and group materials together based on their properties.

**What should I already know?      Vocabulary:**

- The properties of some materials and what they could be used for.

**property**      A way to describe what something is like e.g. plastic is smooth.

**What will I know by the end of the unit?**

- An object is made from a material.
- How to identify different materials by sight including:

**water**      A clear liquid that has no taste or smell.

**glass**      A hard, clear material that breaks easily.

**plastic**      A man-made material that is easily shaped when soft.

**rock**      A solid material made from minerals.

**wood**      A hard material that makes up the branches and the trunk of trees.

**metal**      A solid material that is used to make items such as saucepans.

**absorbent**      When something can soak up a liquid e.g. a sponge is absorbent as it can soak up water.

**Natural**      When something is naturally occurring and has not been made by humans e.g. rock.

**Man-made**      Something that has been made by humans e.g. plastic.



Wood



Plastic



Glass



Metal



Rock



Water

- Materials have different properties and can be hard, soft, rough, smooth, heavy, light, strong, weak or absorbent.
- How to describe different materials and how they can be grouped together e.g. all the rough materials could be separated from the smooth ones.

