Science - Year 1 – Autumn 2 – What are the properties of different materials?

The Rivers C.of E. Academy Trust
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What I already know:

We use our ears, eyes, hands, nose and mouth to help us to explore the world.
Our sense of touch enables us to identify what objects feel like. Our sense of sight can help us to describe objects.

What I need to know:

Objects are made from different materials.
Some types of materials include wood, plastic, glass, metal, water and rock.
Materials have different properties. Properties help us to describe a material. These properties could be linked to what they feel like (for example hard, soft, smooth), what they look like (for example opaque, transparent) and what they do (for example keeping things dry).
Everyday materials can be grouped and compared by their physical properties.
There are materials which can be reused and recycled. This can help the environment and stop people from wasting things.



SDG Link:
Responsible Consumption and Production - Lesson 6 – To classify materials that can be recycled.

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Vocabulary Focus:

Tier 2:

object – anything that has shape or form and can be seen or touched.
material – anything used for building or making new things. Wood, metal, glass, fabric and plastic are all examples of materials.
compare – to see or note how something is similar or different from something else.
Venn diagram – a type of diagram that uses overlapping circles to show similarities or differences in a group or set.
waterproof – able to keep water out of something.
career –the work a person chooses to do through life.
scientist – a person who works in or studies science.
recycling – to put used things through a process that allows them to be used again.
environment – the natural world. Anything that surrounds living things that can affect growth and health.

Tier 3:

properties – features that can separate one material from another, such as colour and hardness.
opaque –not letting light pass through.
transparent – letting light pass through so objects can be seen clearly.



