St John Fisher RC Primary School

Year One Knowledge Organiser – Autumn Term Two - Science

What we will be learning

I know:

Lesson 1 - Distinguish between an object and the material from which it was made – link to toys past and present

Lesson 2 -Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock

Lesson 3 - Describe the simple physical properties of a variety of everyday materials - Compare and group together a variety of everyday materials on the basis of their simple physical properties

Lesson 4 - Carry out simple tests to find out if all metals are magnetic, gathering and recording data to help answering questions

Seasonal Changes

I know how to:

All Year – observe and describe how day length varies – record in a table- observe and describe weather associated with the seasons – charts - observe and keep records of how plants have changed over time, for example the leaves falling off trees – recording notes

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All Year – Measure and keep a record of how tall I am growing whilst in Year One – Height chart (m/cm)

Key Facts to Remember

- I can remember the names of different materials and their properties
- I can recognise what material objects are made from
- I understand that some materials are man-made and some are natural
- I can identify and classify some materials

Key Vocabulary and Glossary

material	The substance used to make something is called a material
properties	Materials can be described by their properties. Materials may be soft, hard, flexible (bendable), rigid (stiff), transparent (see-through), opaque (meaning light does not shine through it), rough, smooth, shiny, or dull

Key knowledge: I can recognise what material objects are made from



Key Knowledge: I can identify and classify some materials



Key Knowledge: I understand that some objects can be recycled to make new things



Key Knowledge: I can group animals according to what they eat

Glossary/Key Vocabulary:

Hard- solid, firm, and rigid, not easily broken, bent, or pierced

Soft – easy to mould, cut, compress, or fold; not hard or firm to the touch

Bendy- soft and flexible

Rigid- unable to bend or be forced out of shape

Transparent- allows light to pass through objects behind can be distinctly seen

Waterproof – impervious to water

Bumpy- uneven, with many patches raised above the rest

Squashy- easily crushed or squeeze into a different shape

Smooth- have an even and regular surface

Dull- lacks brightness

Wood- hard substance of the trunk or branches of a tree

Plastic- a synthetic material made that can be moulded into a shape