



# Gaskell Primary School– Science Discovery

- GPS Drivers**
- World Citizens
  - Avid Adventurers
  - Confident Communicators
  - Creative Minds
  - Healthy Pioneers

**AUTUMN 1 (Year 1)** ● ●

**Plants and seasonal change**

Identifying and naming a variety of wild and garden plants including deciduous and evergreen trees.

Identify and describe the basic structure of flowering plants and trees.

**SPRING 1 (Year 1)** ●

**Animals, including humans**

Identify and name common animals.

Identify carnivores, herbivores and omnivores.

Label the basic parts of the human body.

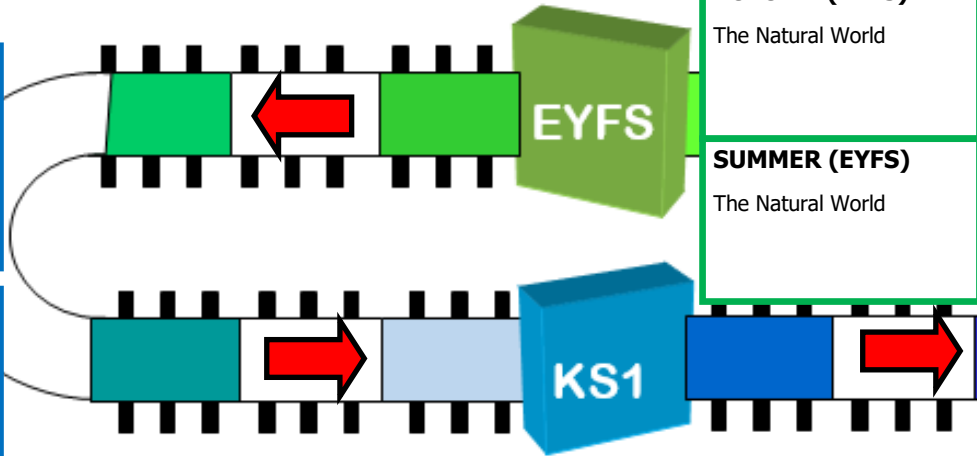
**SUMMER 1 (Year 1)** ●

**Everyday materials**

Distinguish what materials are made from.

Identify and name a variety of different materials

Physical properties



**AUTUMN (EYFS)**

The Natural World

**SUMMER (EYFS)**

The Natural World

**SPRING (EYFS)**

Understanding the world

**Spring 1 (Year 2)** ● ●

**Living things and their habitats.**

Understand that organisms are suited to the environment they live in.

Compare the difference between things that are dead and alive.

Describe how animals obtain their food from animals and plants introducing the concept of food chains.

**Autumn 1 (Year 2)** ● ●

**Materials**

Identify and compare the suitability of everyday materials.

Find out how the shapes of materials can be changed.

**AUTUMN 1 (YEAR 3)** ● ● ●

**Plants and animals including humans**

Identify the function of different parts of a flowering plant (roots, stem)

Investigate the way in which water is transported through a plant.

Identify that animals need the right types of nutrients.

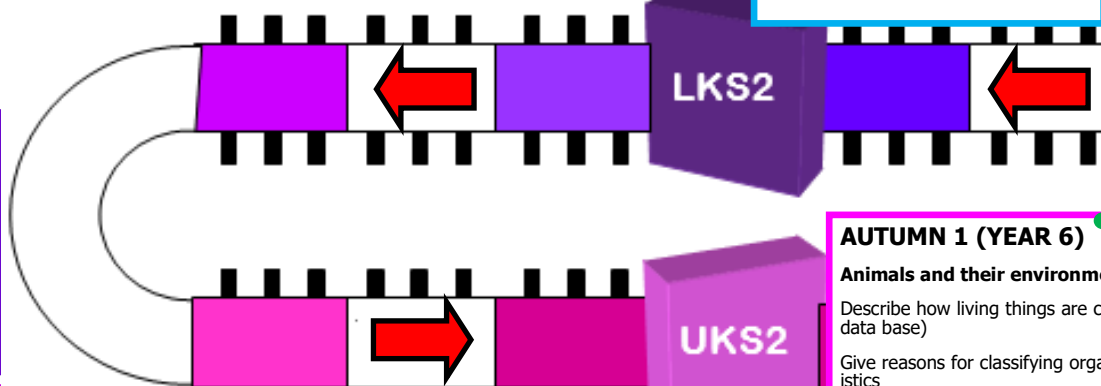
**SPRING 1 (YEAR 3)** ● ● ●

**Rocks**

Compare and group together different rocks on their appearance.

Fossil formation.

Recognise that soils are made from rocks and organic matter.



**SUMMER 1 (Year 2)**

**Plants**

Observe and describe how seeds and bulbs grow into plants.

Find out and describe how plants need water, light and a suitable temperature to grow.

**SUMMER 1 (YEAR 3)** ● ● ●

**Light, forces and magnets.**

Notice that light is reflected off surfaces.

Recognise that shadows are formed from blocked light.

**AUTUMN 1 (YEAR 4)** ● ● ●

**Living things and their habitats**

Explore the classification system to help identify and group organisms.

Describe the basic functions of the digestive system.

Construct and interpret food chains.

**AUTUMN 1 (YEAR 5)** ● ● ● ●

**Living things and their habitats**

Discuss and compare the life cycle of different organisms

Describe the life process of reproduction in some plants and animals.

Describe the changes as humans develop to old age.

**AUTUMN 1 (YEAR 6)** ● ● ● ● ●

**Animals and their environments**

Describe how living things are classified into broad groups (branch data base)

Give reasons for classifying organisms based on specific characteristics

Identify the main parts of the circularity system and understand how your diet plays an important part in its function.

**SPRING 1 (YEAR 4)** ● ● ● ●

**States of matter**

Compare the states of different materials.

Observe chemical changes when materials are heated and cooled

Identify the part played by evaporation and condensation in the water cycle.

**SUMMER 1 (YEAR 4)** ● ● ● ● ●

**Sound and electricity**

Identify how sounds are made.

Investigate how sound changes.

Construct simple electrical circuits

Recognise and identify common conductors and insulators.

**SPRING 1 (YEAR 5)** ● ● ● ● ●

**Properties and changes of materials.**

Understand that chemical reactions can be reversible and irreversible.

Compare materials on solubility and transparency.

By conducting fair tests, compare the usability of different materials for specific purpose.

**SUMMER 1 (YEAR 5)** ● ● ● ● ●

**Earth and Space**

Describe the movement of Earth and other planets relative to the Sun using this to explain day and night.

Describe the movement of the Moon Relative to Earth.

Explain why the Earth and Sun have spherical bodies.

**SPRING 1 (YEAR 6)** ● ● ● ● ● ●

**Light and Electricity**

Recognise that light travels in straight lines.

Understand how light allows us to see things.

Understand how shadows work.

Associate the brightness of a bulb with amount of cells used.

Explain how components function in a circuit.

**SUMMER 1 (YEAR 6)** ● ● ● ● ● ● ●

**Evolution and inheritance**

Recognise the importance of fossils when providing information about the past.

Recognise that living things produce offspring with varying traits.

Identify how animals and plants are adapted to their environment and how this may lead to evolution.