



# SCIENCE

**NURSERY**

- Use all their senses in hands-on exploration of natural materials
- Explore collections of materials with similar and/or different properties
- Talk about what they see, using a wide vocabulary

**RECEPTION**

- Explore the natural world – observe animals and plants
- Interact with natural process (ice, magnets)
- Explore 5 senses
- Recognise some environments that are different from the one they live in
- Explore changing seasons

**YEAR 1**

- Animals (inc human)**  
The human body and the 5 senses
- Classify and categorise animals

**YEAR 2**

- Name different animal food sources
- Microhabitats
- Living things and their habitats**  
Classify living, dead and never alive.
- Importance of exercise and hygiene
- Animals (inc human)**  
Life cycles
- Identify and name common wild and garden plants e.g. ever green
- Plants**  
Know and name the parts of a plant and a tree
- Know about the properties of everyday materials
- Materials**  
Name the materials an object is made from
- Living and non living things**  
Know and name plants and trees

**YEAR 3**

- Know about/explain a simple food chain
- Materials**  
Know how materials can be changed by squashing, bending
- Recognise materials need to be fit for purpose.
- Plants**  
Know/ explain how seeds and bulbs grow into plants
- Know what plants need to grow and stay healthy
- Animals (inc humans)**  
Skeleton
- Everyday materials**  
Rocks and soils
- Plants**  
Parts and functions, transport, life cycle.
- Forces and magnets**  
Friction and magnetism
- Light**  
Light, dark and shadows

**YEAR 4**

- States of matter**  
Evaporation and condensation, Water cycle

**YEAR 5**

- Earth and space**  
Earth and moon, day and night
- Forces**  
Gravity, air and water resistance
- States of matter**  
Solutions, reversible and irreversible changes.
- Living things/ their habitats**  
Reproduction of animals and plants
- Plants**  
Reproduction
- Animals (inc humans)**  
Life cycles
- Living things and their habitats**  
Classification
- Sound**  
How sound travels
- Electricity**  
Simple series circuit, insulators and conductors
- Animals (inc humans)**  
Digestive system, Teeth, Food chains

**YEAR 6**

- Animals (inc humans)**  
Heart and circulatory system
- Living things and their habitats**  
Classification
- Everyday materials**  
Fossils
- Light**  
How it travels, how we see
- Electricity**  
Components, circuit diagrams
- Evolution and inheritance**

**WHAT'S NEXT?**

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Making new discoveries!