

# Science Curriculum Map 2021- 2022



Year 1	<b>Animals, Inc Humans:</b> identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	<b>Seasonal Changes:</b> observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies	<b>Plants.</b> Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees	<b>Everyday materials:</b> Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock	<b>Animals, including humans:</b> Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common animals that are carnivores, herbivores and omnivores	<b>Seasonal Changes:</b> observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies
Year 2	<b>Plants:</b> Observe and describe how seeds grow/find out what seeds and plants need to grow and stay healthy	<b>Animals, including humans:</b> Describe the importance of exercise, healthy eating and hygiene/	<b>Animals, including humans:</b> Know that animals have offspring that grow into adults/discover the basic needs of humans for survival.	<b>Use of everyday materials:</b> Identify suitability of everyday materials / explore physical properties of solid objects.	<b>Living things and their habitats:</b> explore and compare living, dead and things that have never lived.  <b>Revision: Plants:</b> Observe and describe how seeds grow/find out what seeds and plants need to grow and stay healthy	<b>Living things and their habitats:</b> Identify habitats and simple adaptation/ identify and name plants and animals in their habitats.  <b>Living things and their habitats:</b> Describe how food is obtained from plants and animals – simple food chains
Year 3	<b>Animals, including humans:</b> Identify that humans and some animals have skeletons and muscles. And the nutrition comes from the food they eat, and the different nutritional values of different foods.		<b>Rocks:</b> Exploring different forms of rocks, compare and group rock by their physical properties, look at how fossils are formed	<b>Forces and magnets:</b> Compare how things move on different surfaces, group everyday materials depending on they are magnetic or not, make predictions on where whether magnetic attract or repel	<b>Light:</b> Recognise light and dark/ recognise the sun as a light source/ know how shadows are made, and find patterns in way shadows change	<b>Plants:</b> Functions of a plant, requirements for life and life cycle of a plant and explore the part of the flower in the life cycle
Year 4	<b>Living things and their habitats:</b> Recognise that living things can be grouped/ explore and use classification keys/recognise how changes in environment can pose dangers	<b>Animals, including humans:</b> Construct and interpret food chains using producers, predators and prey. Describe the basic functions of the digestive system/identify different types of teeth and their functions	<b>States of matter:</b> Compare and group materials/ observe changes of state and research temperature/identify evaporation and condensation as part of the water cycle	<b>Sound:</b> Identify how sounds are made/ recognise that vibrations are used/ find patterns in pitch/volume/distance from sound source	<b>Electricity:</b> identify common appliances that use electricity/construct simple series circuits/recognise the function of a switch/recognise some common conductors and insulators	
Year 5	<b>Earth and Space:</b> describe movement of Earth relative to sun/describe movement of Moon relative to Earth/explain day and night	<b>Properties and changes of materials:</b> Demonstrate changes of state that are reversible changes/explain how irreversible changes sometimes result in a new material. Compare and group everyday materials according to their properties/know that some materials dissolve/describe how materials can be separated		<b>Animals, including humans:</b> Describe the changes as humans develop/create a timeline to describe stages of growth and development/ learn about changes in puberty/research gestation periods in other animals compared to human	<b>Living Things and their habitats:</b> Describe differences in life cycles and different classifications/describe the life cycle of reproduction of some plants and animals	<b>Forces:</b> Explain how gravity acts on objects/ identify the effects or air resistance/explain the use of gears, pulleys and levers
Year 6	<b>Evolution and inheritance:</b> Recognise that living things have changed over time and that fossils give evidence/recognise that living things produce offspring that can vary/identify how animals and plants adapt to their environment.	<b>Living things and their habitats:</b> Describe how living things are classified into groups/give reasons for classifying plants and animals based on specific characteristics.	<b>Electricity:</b> associate the brightness of a bulb with the number of cells used/give reasons for variation in how components function/use recognised symbols to represent a circuit.	<b>Light:</b> recognise that light travel in a straight line/ explain how we see things/ explain how shadows are formed.	<b>Animals, including humans:</b> recognise the impact of diet, drugs and lifestyle/describe ways in which nutrients and water are transported within animals including humans. Identify and name the main parts of the human circulatory system and describe the functions.	