



Subject	Science
Year Group	Year 2
Knowledge Essential facts (Directly correlating to NC document) Key vocabulary / technical terms	
<p><u>Children will know:</u></p> <p><u>Everyday materials</u></p> <ul style="list-style-type: none"> • The names and properties of everyday materials; glass, fabric, plastic, brick, water, wood, rock, wool, chalk, metal, dough, foil, paper and cardboard • How the shapes of solid objects from some materials can be changed by squashing, bending, twisting and stretching • How to compare the suitability of materials for a purpose • Different magnetic and non-magnetic materials • How to identify whether a material is absorbent • How materials can be used for more than one thing • How different materials can be used for the same thing • The use of transparent, translucent and opaque materials • How materials change when they are mixed with water • Important historical figures who have contributed to the discovery of different materials: John Dunlop (rubber), Charles Macintosh (waterproof materials) and John McAdam (building roads using a <u>smooth, hard</u> surface) <p><u>Animals, including humans</u></p> <ul style="list-style-type: none"> • Animals including humans have babies which grow into adults • The stages of the human lifecycle • The stages of at least one animal lifecycle • The basic needs of animals and humans to stay alive e.g. water, food and air • The importance of exercise • The importance of eating the right amount of different types of food • The importance of personal hygiene • How germs can spread and how they can be prevented <p><u>Living things and their habitats</u></p> <ul style="list-style-type: none"> • The seven life processes common to living things • The difference between things that are living, dead and things that have never been alive • Seven different types of habitat; woodland, polar, rainforest, urban, desert, coastal and pond • What a micro-habitat is • The names of a variety of plants and animals from different habitats/microhabitats • How animals and plants depend on each other 	



- How animals obtain their food from plants and other animals
- Five different types of marine mammal; otter, seal, whale, dolphin, walrus
- Five different types of seashore minibeasts; mussel, hermit crab, starfish, prawn, whelk
- Four different types of underwater plants; seaweed, sea holly, marram, sea lettuce
- How most living things live in habitats to which they are suited
- How different habitats provide the basic needs for different animals and plants
- The structure of a simple food chain

Plants

- The different stages of germination; root, shoot, seedling, flowering, plant/pod
- How plants need water, light and a suitable temperature to grow and stay healthy
- How seeds and bulbs grow into mature plants