

Hampton Court House - Lower Years Curriculum - Science: Year 2

Skills	<p>Pupils develop their knowledge and understanding through practical activity, exploration and discussion.</p> <p>These skills permeate all the units covered in Year 2:</p> <ul style="list-style-type: none">• sense of laboratory safety• observing closely, using simple equipment• performing simple tests• identifying and classifying• organisational practical skills• recording information in a clear way
Autumn Term	
Electric circuits	<ul style="list-style-type: none">• identify common appliances that run on electricity• construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs and switches• identify whether or not a lamp will light in a simple circuit, based on whether or not the lamp is part of a complete loop with a battery• recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple circuit.
Spring Term	
Everyday materials	<ul style="list-style-type: none">• 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• 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.• identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.

Summer Term

Plants and animals

- 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
- 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
- explore and compare the differences between things that are living, dead, and things that have never been alive
- identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other
- describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.