

Hampton Court House - Lower Years Curriculum - Science: Year 3

Skills	<p>Pupils develop their knowledge and understanding through practical activity, exploration and discussion. These skills permeate all the units covered in Year 3:</p> <ul style="list-style-type: none"> • sense of laboratory safety • setting up simple practical enquiries, comparative and fair tests • making systematic and careful observations and, where appropriate, taking accurate measurements using a wider range of equipment • gathering, recording, classifying and presenting data in a variety of ways to help in answering questions • recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables • using results to draw simple conclusions and make predictions for new values • identifying differences, similarities or changes related to simple scientific ideas and processes
Autumn Term	
Rocks	<ul style="list-style-type: none"> • Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties • recognise that soils are made from rocks and organic matter.
Spring Term	
Human Body	<ul style="list-style-type: none"> • the names, positions and functions of the following related organs: brain, heart, lungs, stomach, intestines • the names, positions and functions of senses • recognise the need for food for activity and growth, and the importance of an adequate and varied diet for health • the need for a balanced diet containing carbohydrates, proteins, fats, minerals, vitamins, fibre and

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water, and which foods are sources of these components

- identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat
- identify that humans and some other animals have skeletons and muscles for support, protection and movement
- to observe and compare the movement of animals both with and without skeletons

Summer Term

Plants

- identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers
- explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
- investigate the way in which water is transported within plants
- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.