

We teach science at Holy Trinity in order to nurture the natural curiosity and to enrich the experience our children have of the wider world. Science teaching is designed to encourage children to ask questions and to develop the skills needed to explore possible answers. Our curriculum is organized in line with the National curriculum framework to ensure a breadth and balance of science knowledge; covering the three traditional disciplines – chemistry, physics and biology.

Science Overview

Year Group	Skills
Year 1	<ul style="list-style-type: none"> •Identify basic plants •Identify basic plant parts (roots, leaves, flowers, etc.) •Identify & compare common animals •Identify & name basic body parts Chemistry •Distinguish between objects & materials •Identify & name common materials •Describe simple properties of some materials •Compare & classify materials •Observe weather associated with changes of season
Year 2	<ul style="list-style-type: none"> •Differentiate living, dead and non-living •Growing plants (water, light, warmth) •Basic needs of animals & offspring •Simple food chains & habitats Chemistry •Identify and compare uses of different materials •Compare how things move on different surfaces
Year 3	<ul style="list-style-type: none"> •Plants, incl. parts, lifecycle and requirements for life •Animals: skeletons & nutrition •Classification of rock types •Simple understanding of fossilisation •Sources of light; shadows & reflections •Simple forces, including magnetism
Year 4	<ul style="list-style-type: none"> •Classify living things •Digestive system & teeth •Food chains •Changes of state •The water cycle Physics •Sound as vibrations •Electricity: simple circuits & conductor
Year 5	<ul style="list-style-type: none"> •Life cycles of plants & animals (inc. mammal, insect, bird, amphibian) •Describe changes as humans develop & mature •Classify materials according to a variety of properties •Understand mixtures & solutions •Know about reversible changes; identify irreversible •Understand location and interaction of Sun, Earth & Moon •Introduce gravity, resistance & mechanical forces
Year 6	<ul style="list-style-type: none"> •Classification, including micro-organisms •Health & Lifestyles, incl. circulatory system •Evolution & Adaptation Physics •Light & Shadows; the eye •Forces, including gravity •Electricity: investigating circuits