Cedar Park School & Nursery

Be kind ★ Be inspired ★ Believe

Science Curriculum Overview

Rationale	At Cedar Park School we want pupils to: • Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics. • Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them. • Gain the scientific knowledge required to understand the uses and implications of science, today and for the future.
Approach	We use a variety of teaching and learning styles in Science lessons. Our principal aim is to develop children's knowledge, skills, and understanding. Sometimes we do this through whole-class teaching, while at other times we engage the children in an enquiry-based research activity. We encourage the children to ask, as well as answer, scientific questions. They have the opportunity to use a variety of data, such as statistics, graphs, pictures, and photographs. Children use ICT in Science lessons where it enhances their learning. They take part in role-play and discussions and present reports to the rest of the class. Children engage in a wide variety of problem-solving activities to answer questions raised by the teacher or themselves. Wherever possible, we involve the pupils in 'real' scientific activities carrying out practical experiments and analysing the results.

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	The World					
Year 1	Animals including Humans: All about me	Seasonal Changes	Everyday Materials 1	Animals including Humans: All about Animals	Plants	Everyday Materials 2
Year 2	Living Things and Their Habitats	Living Things and Their Habitats: Habitats Around the World	Uses of Everyday Materials	Animals including Humans: Growth	Plants	Animals including Humans: Life Cycles
Year 3	Forces and Magnets	Rocks	Animals including Humans	Light	Plants	Scientific Enquiry
Year 4	Sound	States of Matter	Living Things and Their Habitats	Electricity	Animals including Humans	Living Things and Their Habitats: Conservation
Year 5	Earth and Space	Properties of Materials	Changes of Materials	Forces	Living Things and Their Habitats	Animals including Humans
Year 6	Living Things and Their Habitats	Animals including Humans	Looking after our Environment	Evolution and Inheritance	Light	Electricity