

Sustainability in Science

Sustainability is woven progressively throughout the Science curriculum. Pupils begin by developing an appreciation of the natural world through observing seasonal changes, plants and habitats before exploring how living things depend upon healthy ecosystems. As they progress through the school, pupils investigate biodiversity, food chains, pollination, renewable energy, natural resources and the impact of human activity on the environment. By Year 6, pupils understand how scientific knowledge can help address environmental challenges and recognise the importance of protecting ecosystems and using Earth's resources responsibly for future generations.

Year Group	Topic	Sustainability Progression
Year 1	Seasons	Children learn how seasonal change affects plants, animals and wildlife and explore simple ways to care for local wildlife throughout the year.
Year 1	Materials	Pupils consider recycling, reusing resources and reducing waste, introducing the environmental impact of everyday choices.
Year 1	Plants and Trees	Children identify local plants and trees and grow their own plants, developing an appreciation of nature and food production.
Year 2	Living Things and Their Habitats	Pupils investigate habitats, food chains and biodiversity while exploring pollution, climate change and deforestation, learning how they can help protect local habitats.
Year 2	Materials	Children explore plastic pollution, recycling and the responsible use of materials, encouraging environmentally responsible behaviours.
Year 3	Plants	Pupils investigate plant growth, pollination, seed dispersal and life cycles, developing an understanding of ecosystems and the importance of plants.
Year 3	Rocks	Learning about soils helps pupils understand their importance for plant growth, agriculture and healthy ecosystems.
Year 4	Living Things and Their Habitats	Pupils deepen their understanding of biodiversity through habitats, classification, conservation, rewilding and human impact on ecosystems.
Year 4	Electricity	Children learn about renewable and non-renewable energy sources and consider how responsible energy choices help protect the environment.

Year 4	States of Matter	Pupils explore the water cycle, recognising water as a precious natural resource that should be conserved.
Year 5	Living Things and Their Habitats	Learning focuses on ecosystems, pollination, sustainable food production through hydroponics and caring for shared resources.
Year 6	Evolution and Inheritance	Pupils understand biodiversity, adaptation and natural selection, recognising the importance of protecting species and ecosystems.
Year 6	Living Things and Their Habitats	Through classification and microorganisms, pupils appreciate the diversity and interconnectedness of living things and the importance of healthy environments.