

Science Curriculum Overview

Key Stage 1 (Working Scientifically underpins learning)

Term	Year A	Year B	Year C	Year D
Autumn 1	WE ARE HISTORIANS	WE ARE PHILOSOPHERS	WE ARE CONSERVATIONISTS	WE ARE PALAEOLOGISTS
	ScA1 ● Everyday materials <i>What's the artefact made from?</i>	ScB1 ● Plants and Living Things And Their Habitats <i>Do plants have feelings like us?</i>	ScC1 ● Plants and Living Things and Their Habitats <i>Where do plants grow best?</i>	ScD1 ● Plants and Living Things And Their Habitats <i>What's under our feet?</i>
Autumn 2	WE ARE PUPPETEERS	WE ARE SCIENTISTS	WE ARE STORYTELLERS	WE ARE PAINTERS
	ScA2 ● Seasonal changes <i>How do trees change? (The Little Christmas Tree)</i>	ScB2 ● Forces: push, pull and twist <i>How do toys move?</i>	ScC2 ● Seasonal changes <i>Is the story of Persephone true?</i>	ScD2 ● Seasonal changes <i>How do artists show the four seasons?</i>
Spring 1	WE ARE ANIMATORS	WE ARE NATURALISTS	WE ARE ARCHITECTS	WE ARE SCULPTORS
	ScA3	ScB3 ● Animals, Including Humans <i>How do you care for different animals? (The Zoo)</i>	ScC3 ● Everyday materials <i>How can you make the strongest structure? Squashing, bending etc.</i>	ScD3 ● Animals, Including Humans <i>Can you spot any similarities or differences in the way that animals are structured?</i>
Spring 2	WE ARE ACTIVISTS	WE ARE ROBOTICS ENGINEERS	WE ARE MINIATURISTS	WE ARE SPACE MISSION DESIGNERS
	ScA4 ● Plants and Living Things And Their Habitats <i>Can you grow a tree?</i>	ScB4 ● Humans <i>Are robots like us?</i>	ScC4 ● Everyday materials <i>What materials do you need to make a dollhouse?</i>	ScD4 ● Humans <i>How do people survive in space?</i>
Summer 1	WE ARE INVENTORS	WE ARE ANTHROPOLOGISTS	WE ARE FILM MAKERS	WE ARE COSTUME DESIGNERS
	ScA5 ● Everyday materials <i>What can you find out about paper?</i>	ScB5 ● Seasonal changes <i>Why do we change the way we dress in different seasons? Weather</i>	ScC5	ScD5
Summer 2	WE ARE AUTOMATIVE ENGINEERS	WE ARE PERFORMERS	WE ARE ENTREPRENEURS	WE ARE BROADCASTERS
	ScA6 ● Everyday materials <i>Working for 'The Happily Ever After Engineering Company', can you use different materials to solve problems for fairy tale characters?</i>	ScB6	ScC6 ● Plants and Living Things And Their Habitats <i>Can you grow plants to eat in your kitchen garden?</i>	ScD6 ● Seasonal Changes <i>Can you collect data for a weather report?</i>

Key Stage 2 (Working Scientifically underpins learning)

Term	Year A	Year B	Year C	Year D
Autumn 1	WE ARE HISTORIANS	WE ARE PHILOSOPHERS	WE ARE CONSERVATIONISTS	WE ARE PALAEOLOGISTS
	ScA1 • Properties and Changes of Materials Why do some artefacts survive better than others over time? (Rotting, rusting etc)	ScB1 • Properties and changes of materials Can you keep an alchemist's notebook exploring materials and how they can be changed?	ScC1 • Plants and Living Things and Their Habitats How can you help to create new habitats to improve biodiversity in the local area?	ScD1 • Animals, Including Humans and Evolution and Inheritance How can palaeontology help us to understand the ancient world?
Autumn 2	WE ARE PUPPETEERS	WE ARE SCIENTISTS	WE ARE STORYTELLERS	WE ARE PAINTERS
	ScA2 • Light Can you explain how a shadow puppet works?	ScB2 • Earth and Space and Forces and Magnetism How do things move?	ScC2	ScD2 • Rocks Can you make your own paints?
Spring 1	WE ARE ANIMATORS	WE ARE NATURALISTS	WE ARE ARCHITECTS	WE ARE SCULPTORS
	ScA3 • Plants and Living Things and Their Habitats Can you use your scientific knowledge to create the natural world of the film?	ScB3 • Animals, Including Humans and Evolution and Inheritance How do you care for insects/reptiles and amphibians?	ScC3 • Properties and Changes of Materials/ States of Matter What materials would you choose to make a model eco village?	ScD3 • States of Matter How can heat be used in the sculpting process?
Spring 2	WE ARE ACTIVISTS	WE ARE ROBOTICS ENGINEERS	WE ARE MINIATURISTS	WE ARE SPACE MISSION DESIGNERS
	ScA4 • States of Matter How are living things affected by climate change?	ScB4 • Electricity • Mechanisms (wheels and axles) Can you use biomimicry to design a robot for a particular environment?	ScC4 • Electricity Can you light up your dolls house?	ScD4 • Earth and Space and Forces & Magnetism Could humans really live on Mars? • Animals, Including Humans How can humans prepare for space travel?
Summer 1	WE ARE INVENTORS	WE ARE ANTHROPOLOGISTS	WE ARE FILM MAKERS	WE ARE COSTUME DESIGNERS
	ScA5 • Forces and mechanisms Can you make a Mechanical Art and Design exhibit? (Marble run/animatronic bird)	ScB5 • Rocks What can rocks tell us about the past?	ScC5 • Light Can you make a pin hole camera and explain how it works?	ScD5 • Plants and Living Things and Their Habitats How are plants used in textile making?

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Summer 2	WE ARE AUTOMATIVE ENGINEERS	WE ARE PERFORMERS	WE ARE ENTREPRENEURS	WE ARE BROADCASTERS
	ScA6 ● Forces and Magnetism Is it possible to design a 'green' race car? Bloodhound and Green Goblin electric car (Mag lev and mechanisms)	ScB6 ● Sound Can you make an instrument using vegetables or recycled rubbish?	ScC6 ● Properties and Changes of Materials/ States of Matter How are foods changed by heating and cooling?	ScD6 ● Sound Can you work as a Foley Artist, understanding and creating sound?