

National Curriculum Science Coverage

Within the Federation, science is taught on a 2 year rolling programme. The below table outlines when each National Curriculum unit of science is taught. Whilst the knowledge taught is the same for each year group within each unit, the skills progression documents allows our teaching staff to differentiate activities and questioning so that we ensure lessons are pitched appropriately.

The below tables is not a curriculum because it does not identify and sequence component knowledge. Please see the Knowledge and Skill progression documents and overviews on the class pages for how the substantive content in organised within the school curriculum.

	Plants	Rocks	Animals including humans	Forces and magnets	Materials and their properties	States of matter	Seasonal changes	Electricity	Light	Earth and space	Living things and their habitats	Evolution and inheritance	Sound
EYs	R 23/24		R 23/24		R/Y2 23/24		R 22/23				R 22/23		
1	Y1/Y2 23/24		Y1/Y2 23/24		Y1/Y2 23/24		Y1/Y2 22/23						
2	Y1/Y2 23/24		Y1/Y2 22/23		Y1/Y2 22/23						Y1/Y2 22/23		
3	Y3/Y4 22/23	Y3/Y4 22/23	Y3/Y4 22/23	Y3/Y4 22/23					Y3/Y4 22/23				
4			Y3/Y4 23/4			Y3/Y4 23/4		Y3/Y4 23/4			Y3/Y4 23/4		Y3/Y4 23/4
5			Y5/Y6 23/4	Y5/Y6 23/4	Y5/Y6 23/4	Y5/Y6 23/4				Y5/Y6 23/4	Y5/Y6 23/4		
6			Y5/Y6 22/23					Y5/Y6 22/23			Y5/Y6 22/23		

How content is organised in mini science projects and within thematic topics in KS1

Detailed coverage analysis

- 2022/23
- 2023/24

		Y1	Y1	Y1	Y1	Y1	Y1	Y1	Y1	Y2	Y2	Y2	Y2	Y2	Y2	Y2	
		Animal Parts	Bright Lights, ...	Chop, Slice an...	Everyday Mat...	Human Senses	Plant Parts	Seasonal Cha...	Shade and Sh...	Animal Survival	Coastline	Habitats	Human Survival	Plant Survival	Push and Pull	Remarkable R...	Uses of Mater...
Science	Programme of study	Y1	Y1	Y1	Y1	Y1	Y1	Y1	Y1	Y2	Y2	Y2	Y2	Y2	Y2	Y2	Y2
Working scientifically	KS1 15 Ask simple questions and recognise that they can be answered in different ways.	2			1	2	1	2		1		1	1	1			3
Working scientifically	KS1 14 Observe closely, using simple equipment.	2			1	1	2	3		1			2	1			1
Working scientifically	KS1 23 Perform simple tests.	2			5	4	1	2		1	1	3	2				2
Working scientifically	KS1 20 Identify and classify.	1	1		3	3	2	1		1		2	2	1			3
Working scientifically	KS1 31 Use their observations and ideas to suggest answers to questions.	2			2	9	2	5		2			3	3			3
Working scientifically	KS1 23 Gather and record data to help in answering questions.	3			3	2	1	2		3		1	4	2			2
Plants	Year 1 8 Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.						7	1									
Plants	Year 1 2 Identify and describe the basic structure of a variety of common flowering plants, including trees.						2										
Animals including humans	Year 1 4 Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.	4															
Animals including humans	Year 1 2 Identify and name a variety of common animals that are carnivores, herbivores and omnivores.	2															
Animals including humans	Year 1 2 Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).	1				1											
Animals including humans	Year 1 2 Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.					2											
Everyday materials	Year 1 4 Distinguish between an object and the material from which it is made.				3				1								
Everyday materials	Year 1 4 Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.				3				1								
Everyday materials	Year 1 3 Describe the simple physical properties of a variety of everyday materials.				3												
Everyday materials	Year 1 3 Compare and group together a variety of everyday materials on the basis of their simple physical properties.				3												



