CUSP Science Mixed Age Sequence Content Progression

KS1	Autumn	Spring	Summer
Cycle 1 2023 – 2024 (Year 2)	Living things and their habitats Animals, including humans	Uses of everyday materials Revisit Living things and their habitats / materials	Plants Revisit Living things and their habitats / Animals, including humans
Cycle 2 2024 – 2025 (Year 1)	Seasonal changes and daily weather Introduce Plants – (trees) Animals, including humans	Everyday materials Revisit 1: Animals, including humans	Plants Revisit 2: Plants, Animals including humans
LKS2			
Cycle 1 2023 – 2024 (Year 4)	Living things and their habitats States of matter	Animals, including humans	Electricity Sound
Cycle 2 2024 – 2025 (Year 3)	Rocks Animals, including humans Revisit Rocks	Forces and magnets Plants	Plants continued Light
UKS2			
Cycle 1 2023 – 2024 (Year 6)	Electricity Animals including humans (circulatory system)	Animals including humans (water transport) Light	Living things and their habitats Evolution and inheritance
Cycle 2 2024 – 2025 (Year 5)	Properties and changes of materials Animals, including humans	Forces (Gravity and Galileo) Earth in space	Living things and their habitats Forces continued

Sequence overview for Mixed Age Sequence including Strong Start and Reference Lessons

KS1 CYCLE 1 – Science 2023 – 2024
Year 2

Entry point	**September 2023** – July 2024					Key Stage 1 Science								Cycle 1
		Strong Start	Autumn 14 weeks			Strong Start	Spring 12 weeks					Strong Start	Summer 12 weeks		
KS1 Class	SECURING Year 1 ADVANCING Year 2	Science | Becoming a scientist	*Y2 Living things and their habitats 6 KNs*			Science | Becoming a scientist	*Y2 Uses of Everyday materials 6 KNs*			*Y2 Revisit Living things and their habitats / materials 3KNs*			Science | Becoming a scientist	*Y2 Plants 6Kns*		*Y2 Revisit 2 living things and their habitats 3 KNs*	
			Ref lesson	Y1 KNs	Y2 KNs		Ref lesson	Y1 KNs	Y2 KNs	Ref lesson	Y1 KNs	Y2 KNs			Y1 KNs	Y2 KNs	Y1 KNs	Y2 KNs
			6 sessions				*6 sessions*			*5 sessions (+2)*				*6 sessions*		*5 sessions (+2)*	

This means there are 2 spare sessions beyond the allocated science lessons to enrich, elaborate or consolidate learning.

KS1 CYCLE 1 – Science 2024 – 2025
Year 1

Entry point	**September 2024** – July 2025					Key Stage 1 Science								Cycle 2
		Strong Start	Autumn			Strong Start	Spring					Strong Start	Summer		
KS1 Class	SECURING Year 1 ADVANCING Year 2	Science | Becoming a scientist	*Y1 Seasonal changes and weather3 KNs*		*Y1 Introduce plants (trees) 3KN*		*Y1 Introduce Animals including humans 5 KNs*		Science | Becoming a scientist	*Y1 Everyday materials 6 KNs*		*Y1 Revisit 1 Animals including humans 3 KNs*		Science | Becoming a scientist	*Y1 Plants 3 KNs*		*Y1 Second revisit Animals and Plants 3 KNs*	
			Y1 KNs	Y2 KNs	Y1 KNs	Y2 KNs	Y1 KNs	Y2 KNs		Y1 KNs	Y2 KNs	Y1 KNs	Y2 KNs		Y1 KNs	Y2 KNs	Y1 KNs	Y2 KNs
			3 sessions		*3 sessions (+1 enrichment opportunity)*		*5 sessions (+1 enrichment opportunity)*			*6 sessions*		*5 sessions (+2)*			*5 sessions (+2)*		*6 sessions (+3)*	

LKS2 CYCLE 1 – Science 2023 – 2024
Year 4

Starting point	September 2023 – July 2024												Lower Key Stage 2 Science												Cycle 1
		Strong Start	Autumn						Strong Start	Spring			Strong Start	Summer											
LKS2 Class	SECURING Year 3 ADVANCING Year 4	Science I Becoming a scientist	*Y4 Living thing and their habitats 6 KNs*			*Y4 States of matter 6 KNs*			Science I Becoming a scientist	*Y4 Animals including humans 9 KNs*			Science I Becoming a scientist	*Y4 Electricity 3 KNs*			*Y4 Sound 3 KNs*								
			Ref lesson	Y3 KNs	Y4 KNs	Ref lesson	Y3 KNs	Y4 KNs		Ref lesson	Y3 KNs	Y4 KNs		Ref lesson	Y3 KNs	Y4 KNs	Y3 KNs	Y4 KNs							
			6 sessions			*7 sessions (+1 enrichment opportunity =+2)*				*11 sessions (+2)*				*5 sessions (+2)*			*6 sessions (+3)*								

This means there are 2 spare sessions beyond the allocated science lessons to enrich, elaborate or consolidate learning.

LKS2 CYCLE 2 – Science 2024 – 2025
Year 3

Starting point	September 2024 – July 2025																								Cycle 2
		Strong Start	Autumn 14 weeks						Strong Start	Spring 12 weeks					Strong Start	Summer 12 weeks									
LKS2 Class	SECURING Year 3 ADVANCING Year 4	Science I Becoming a scientist	*Y3 Rocks 6 KNs*		*Y3 Animals including humans 3 KNs*		*Y3 Revisit Rocks 3 KNs*		Science I Becoming a scientist	*Y3 Forces and magnets 6 KNs*		*Y3 Plants 3 KNs 6 KNs in total*			Science I Becoming a scientist	*Y3 Plants 3 KNs*		*Y3 Light 3 KNs*								
			Y3 KNs	Y4 KNs	Y3 KNs	Y4 KNs	Y3 KNs	Y4 KNs		Y3 KNs	Y4 KNs	Ref lesson	Y3 KNs	Y4 KNs		Y3 KNs	Y4 KNs	Y3 KNs	Y4 KNs							
			6 sessions		*4 sessions (+1)*		*3 sessions + 1 enrichment opportunity*			*6 sessions*		*5 sessions (+2)*				*5 sessions (+2)*		*6 sessions (+3)*							

LKS2 CYCLE 1 – Science 2023 – 2024
Year 6

Starting point	September 2023 – July 2024					Upper Key Stage 2 Science								Cycle 1		
		Strong start	Autumn 14 weeks			Strong start	Spring 12 weeks				Strong start	Summer 12 weeks				
UKS2 Class	SECURING Year 5 ADVANCING Year 6	Science | Becoming a scientist	Y6 Electricity 3 KNs			Science | Becoming a scientist	Y6 Animals including humans (+ water transport) 3 KNs		Y6 Light 6 KNs			Science | Becoming a scientist , …	Y6 Living things and their habitats 6 KNs			Y6 Evolution and inheritance 6 KNs		
			Ref lesson	Y5 KNs	Y6 KNs		Y5 KNs	Y6 KNs	Ref lesson	Y5 KNs	Y6 KNs		Ref lesson	Y5 KNs	Y6 KNs	Ref lesson	Y5 KNs	Y6 KNs
			5 sessions (+2)				4 sessions (+1)		7 sessions (+1)				6 sessions			6 sessions		

This means there are 2 spare sessions beyond the allocated science lessons to enrich, elaborate or consolidate learning.

LKS2 CYCLE 1 – Science 2024 – 2025
Year 5

Starting point	September 2024 – July 2025					Upper Key Stage 2 Science								Cycle 2		
		Strong start	Autumn			Strong start	Spring				Strong start	Summer				
UKS2 Class	SECURING Year 5 ADVANCING Year 6	Science | Becoming a scientist	*Y5 Properties and changes of materials 6 KNs*			Science | Becoming a scientist	Y5 Forces 4 KNs		Y5 Earth in Space 5 KNs			Science | Becoming a scientist	*Y5 Living things and their habitats 6 KNs*			*Y5 Forces continued 2 KNs*		
			Ref lesson	Y5 KNs	Y6 KNs		Ref lesson	Y5 KNs	Y6 KNs	Ref lesson	Y5 KNs	Y6 KNs	Ref lesson	Y5 KNs	Y6 KNs	Y5 KNs	Y6 KNs	
			8 sessions (+2)				5 sessions (+1)		5 sessions (+1)				6 sessions			5 sessions (+2)		