# FEDERATION OF BISHOP SUTTON AND STANTON DREW PRIMARY SCHOOLS

# **CURRICULUM OVERVIEW SCIENCE (Sep 23)**



Our shared vision of the Principles for good teaching and learning in science.

Science teaching in our trust is great when...

# Working Scientifically

Understanding the different types of enquiry

Progression of skills

Asking questions

## **Vision and Shared Culture**

Our science curriculum aims to prepare children for the wider world. We strive to ensure that the lessons we deliver achieve the three aims of the science national curriculum so that pupils understand the science and have the skills to engage with the knowledge and recognise where it fits in the wider world. We believe in the curious child and encourage our children to ponder, ask questions and find out answers to big questions for themselves, reflecting on that which they have discovered. The knowledge they acquire is deepened through the use of essential scientific enquiry skills. We believe that through working scientifically our children will have a greater depth of understanding of the knowledge and will be the scientifically literate adults of the future.

Subject Expertise
Understanding of:
scientific concepts
misconceptions
vocabulary
working scientifically
PCK

#### **Systems**

Curriculum map Medium term plans Knowledge organisers

Support and challenge (Differentiation through questioning - Bloom's)

Assessment and Tracking - TAPs

## Science BSPS (single year groups)

Year Group	T1	T2	Т3	T4	T5	T6		
Year 1	Animals including humans x11 weeks (extended unit)		Materials x6	Science Week – Climate & The Weather x5 weeks	Materials x5 weeks (extended Unit)	Plants		
	Seasonal Changes (6 lessons)							
Year 2	Living things and habitats	Materials	Animals including humans	Science Week – Plastic Pollution x5 weeks	Plants Plants x12 weeks (extended unit)			
Year 3	Rocks	Light	Forces and magnets	Science Week – Deforestation x5 weeks	Animals including humans	Plants		
Year 4	Animals including humans	Sound	States of matter (Changing State)	Science Week – Carbon Footprint x5 weeks	Electricity	Living things & their habitats		
Year 5	Forces	Properties of materials	Space	Science Week – Renewable Energy x5 weeks	Living things and habitats & their habitats	Animals including humans		
Year 6	Living things & their habitats	Evolution and inheritance	Electricity	Science Week – Air Quality & Pollution x5 weeks	Light	Animals including humans		

## Science SDPS (mixed year groups)

#### Cycle A - Sep 23

	Term 1	Term 2	Term 3
Year 1 and 2	Looking after plants	Material world	Animals, Humans & Staying Healthy
	(Plants Y1, Seasons Y1, Plants Y2)	(Materials Y1, Materials Y2)	(Animals Y1, Animals Y2, Living things Y2)
Year 3 and 4	Nurturing Nature	Archaeology	Movie Magic
	(Plants Y3, Living things Y4)	(Rocks Y3, Animals Y3, Living things Y4)	(Light Y3, Sound Y4)
Year 5 and 6	Out of this world	Living, growing and changing	Engineering
	(Materials Y5, Earth and Space Y5)	(Living things Y5)	(Forces Y5, Materials Y5)

#### Cycle 2 - Sep 24

	Term 1	Term 2	Term 3
Year 1 and 2	Animal Safari	Changing Materials	How does your garden grow?
	(Animals Y1, Living things Y2, Animals Y2)	(Materials Y1, Materials Y2)	(Plants Y1, Y2)
Year 3 and 4	The Amazing Human Body	From the Amazon to Antarctica	How Stuff Works
	(Animals Y3, Animals Y4)	(States of matter Y4, Living things Y4, Animals	(Electricity Y4, Forces Y3
		Y4	
Year 5 and 6	Bright Sparks	Following Darwin's Footsteps	Healthy Body, Healthy Mind
	(Materials Y5, Light Y6, Electricity Y6)	(Evolution and Inheritance Y6)	(Animals Y6,

Working scientifically includes: asking questions/evaluating/interpreting & conclusion/making predictions/observation & measurement/planning enquiries/recording

Scientific enquiry includes: research/pattern seeking/observing (over time)/ testing/ identifying & classifying/ problem solving