



SAMLESBURY Church of England Primary School

Let your light shine!

- Live as a light to others
- Live to do good
- Live to love God

Science Curriculum Overview

**"For through him God created everything in the heavenly realms and on earth.
He made the things we can see and the things we can't."
- Colossians 1:16-17**

	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
EYFS	Theme: animal adventures	Changing seasons	Autumn 2 to extend into this half term if needed and/or start Spr 2 early	I am a scientist	Our beautiful planet	
Infants 2024-2025	Materials: Everyday materials	Forces and Space: Seasonal changes	Autumn 2 to extend into this half term if needed and/or start Spr 2 early.	Animals: Comparing animals	Plants: Introduction to plants	Animals: Sensitive bodies <i>Link to PSHE/SRE curriculum</i>
Scientist:	Charles Macintosh <i>(waterproof coat inventor)</i>	Dr Steve Lyons <i>(meteorologist)</i>		Chris Packham <i>(animal conservationist)</i>	Beatrix Potter <i>(botanist)</i>	Maria Montessori <i>(physician and educator)</i>
Infants 2025-2026	Living Things: Habitats	Living Things: Microhabitats	Autumn 2 to extend into this half term if needed and/or start Spr 2 early.	Materials: Uses of everyday materials	Plants: Plant growth	Animals: Life cycles and health <i>Link to PSHE/SRE curriculum</i>
Scientist:	Eugenie Clark <i>(the shark scientist!)</i>			Ole Kirk Christiansen <i>(Lego inventor)</i>	Jane Colden <i>(botanist)</i>	David Attenborough <i>(conservationist)</i>
INFANT SCIENCE THROUGH	Throughout a pupils time in the infants, pupils will also cover two blocks scientific investigation based skills learning, through (1) exploring plant based materials & plant growth enquiry and (2) investigating science through stories via forest school year group specific sessions. The forest school leader tailors these session to the speicifi group so the stories or activities may vary but the learning outcomes remain the same.					

FOREST SCHOOL PROVISION	<ul style="list-style-type: none"> Oracy is the focus medium of learning in these sessions. This learning is assessed dynamically in the session; via 'Book Talk' style pupil feedback sessions for year 1/2 or EYFS via Development Matters, which is recorded on Tapestry. <p>See separate learning outcome document for the planned outcomes.</p>					
Year 3/4 2024-2025	Animals: Movement and Nutrition	Animals: Digestion and food	Forces and space: Forces and Magnets	Plants: Plant reproduction	Energy: Sound and vibration	Sum 1 to extend into this half term if needed
Scientist:	<i>Marie Curie (x-rays)</i>	<i>Louis Pasteur (Microbiologist)</i>	<i>Henry Ford (cars)</i>	<i>Ahmed Mumim Warfa (botanist)</i>	<i>Alexander Graham bell (telephone)</i>	
Year 3/4 2025-2026	Energy: Electricity and Circuits	Energy: Light and Shadows	Living things: Classification and changing habitats	Materials: Rocks and soils	Materials: States of matter	Sum 1 to extend into this half term if needed
Scientist:	<i>Joseph Swan (incandescent light bulb)</i>	<i>Justus Von Liebig (Mirrors)</i>	<i>Joan Beauchamp Procter (zoologist)</i>	<i>Dr Anjana Khatwa (geologist)</i>	<i>Daniel Fahrenheit (temperature scale / invention of the thermometer)</i>	
Year 5/6 2024-2025	Forces and Space: Earth and space	Forces and Space: Unbalanced Forces	Materials: Mixtures & separation / properties & changes	Living things: Life cycles and reproduction	Animals: Human timeline <i>Link to PSHE/SRE curriculum</i>	Sum 1 to extend into this half term if needed depending on school events
Scientist:	<i>Helen Sharman & Kalpana Chawla (astronauts)</i>	<i>Isaac Newton (Gravity)</i>	<i>Sir Humphrey Davy (separating gases)</i>	<i>Jane Goodall (naturalist)</i>	<i>Virginia Apgar (physician)</i>	

Year 5/6 2025-2026	Energy: Light and Reflection	Energy: Circuits, batteries and switches	Living Things: Evolution and Inheritance	Living things: Classifying big and small	Animals: Circulation and health	Sum 1 to extend into this half term if needed depending on school events
Scientist:	Valerie Thomas (<i>3D imaging</i>)	Edith Clarke (<i>electrical engineer</i>)	Charles Darwin (<i>evolutionist</i>)	Carl Linnaeus (<i>classification</i>)	Leonardo Da Vinci (<i>anatomist</i>)	
JUNIOR SCIENCE THROUGH FOREST SCHOOL PROVISION	At Samlesbury CE Primary School, our excellent Forest School provision plays a vital role in enriching the science curriculum for our KS2 children. Through regular outdoor sessions, pupils engage in hands-on, nature-based learning that brings scientific concepts to life. Whether exploring habitats, investigating plant growth, observing seasonal changes, or developing enquiry skills, Forest School enhances pupils' understanding by providing real-world contexts for scientific discovery. This immersive approach not only deepens their knowledge but also fosters curiosity, resilience, and a lasting appreciation for the natural world.					

NOTE:

Scientist case studies are covered in either science lessons or as part of the English curriculum, whole class reading, homework (KS2) or a combination of these.