

Science Curriculum Yearly Overview



EDWARD WILSON
PRIMARY SCHOOL

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Animals including humans Focus on Humans Seasonal change (1 week)	Uses of everyday Materials Charles Macintosh Inventor of waterproof fabric Seasonal change (1 week)	Animals including humans Focus on Animals Wes Larson Young conservation biologist Seasonal change (1 week)	Strong focus on Seasonal change Link to weather and seasons topic in Geography	Uses of everyday Materials Edward Wilson Link with Antarctica topic Seasonal change (1 week)	Plants Seasonal change (1 week)
2	Living things and their habitats Local habitats	Uses of everyday materials John Boyd Dunlop Developed inflatable rubber tyres	Uses of everyday Materials	Animals including humans Life cycles Louis Pasteur Studied germs	Plants	Living things and their habitats Seaside habitats
3	Rocks and Soils Link to Stone Age Then: Mary Anning palaeontologist Now: Holly Betts Paleo biologist	Forces and Magnets Link to Iron Man Then: John McAdam Road builder Now: Julie Brusaw – solar panel roads	Lights Link to the Last of the Polar Bears Ibn al-Haytham Discovered how we see	Lights (3 weeks) Thomas Edison/Joseph Swan Invention of electric bulb Lewis Latimer Incandescent Electric Light Bulb with Carbon Filament Animals including humans (3 weeks)	Animals including humans (3 weeks) Ancient Egypt linked science experiments (3 weeks)	Plants
4	Living things and their habitats Wangari Maathai Link to deforestation	Electricity Michael Faraday Invented the first electric motor	Animals including humans Food chain focus	Animals including humans Teeth and digestion focus	Sound Recap Lewis Latimer worked with Alexander Graham Bell	States of matter Focus on the water cycle
5	Earth and Space Mae Jemison First black woman in space Katherine Johnson NASA research mathematician Nicolaus Copernicus Proposed that the Sun was the centre of our universe	Forces Isaac Newton Established law of gravity	Living Things and their habitats Life cycles David Attenborough English broadcaster and natural historian	Properties and changes of materials Stephanie Kwolek Invented Kevlar	Animals including humans Changes as humans develop	Super Scientists Alexander Fleming Discovered penicillin The Wright Brothers First engine powered flying machines
6	Light Isaac Newton Theory of light Ibn al-Haytham Light travels in straight lines	Animals including humans Circulatory System Marie Maynard Daly How diet impacts the circulatory system	Evolution and inheritance Alfred Russel Wallace and Charles Darwin Proponents of evolution by natural selection	Electricity	None (due to SATS)	Living things and their habitats Classification Carl Linnaeus Classifying organisms

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Biology Chemistry Physics Famous Scientists Famous scientist from an ethnic minority

Other scientists you may wish to include / reference in your lessons:

Plants:

George Washington Carver - Carver developed techniques to improve soils depleted by repeated plantings of cotton. He wanted poor farmers to grow other crops, such as peanuts and sweet potatoes, as a source of their own food and to improve their quality of life.

Jeanne Baret - botanist and first woman to circumnavigate the globe

Animals including humans:

Seirian Sumner Evolutionary biologist and behavioural ecologist

Jane Goodhall Primatologist

David Attenborough English broadcaster and natural historian

Leonardo Da Vinci his sharp eye uncovered the structure of the **human body**

Eva Crane - studied bees

Earth and Space:

Helen Sharman - a chemist who became the first British astronaut as well as the first woman to visit the Mir space station in May 1991.

Tim Peake - **Tim** was the first British ESA astronaut to visit the International Space Station

Electricity:

Now: **Peter Rawlinson** – developing electric vehicles

Then: **Nicolas Tesla and Thomas Edison** – Battled over competing electric power transmission systems (a/c and d/c) and developed the electric light bulb