



Scientists Across the Curriculum

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Plants <ul style="list-style-type: none"> • Beatrix Potter- Author & Botanist 	Living Things and Their Habitats <ul style="list-style-type: none"> • Rachel Carson- Marine Pollution • Liz Bonnin Conservationist 	Plants <ul style="list-style-type: none"> • Joseph Banks- Botanist • <u>Ahmed Mumin Warfa</u> - Botanist 	Living Things and Their Habitats <ul style="list-style-type: none"> • Jacques Cousteau -Marine Biology • Cindy Looy-Environmental Change and Extinction • Joean Beauchamp Procter Zoologist 	Living Things and Their Habitats <ul style="list-style-type: none"> • Jane Goodall- naturalist • Sylvia Earle - Marine biologist • Dr. Paula Kahumbu-wildlife conservationist • Mangala Mani – Antarctic scientist • Sir David Attenborough- Animal Behaviourist 	Living Things and Their Habitats <ul style="list-style-type: none"> • Carl Linneus Classification • Libby Hyman Classification Invertebrates
Animals inc Humans <ul style="list-style-type: none"> • Chris Packham - Animal Conservationist 	Plants <ul style="list-style-type: none"> • Captain Cook- Botanists • Agnes Arber-Botanist • Alan Titchmarsh- Botanist & Gardener 	Animals inc Humans <ul style="list-style-type: none"> • Marie Curie- Radiation • Wilhelm Rontgen - X rays • Adelle Davis -Nutritionist 	Animals inc Humans <ul style="list-style-type: none"> • Joseph Lister-Antiseptic • Ivan Pavlov- Digestive System Mechanisms • Washington & Lucius Sheffield- Toothpaste in a tube 	Animals inc Humans <ul style="list-style-type: none"> • Alexander Fleming- Penicillin • Louis Pasteur- Vaccination • Eva Crane -Reproduction in Bees • Virginia Appgar- obstetrical anaesthesiologist 	Animals inc Humans <ul style="list-style-type: none"> • Leonardo Da Vinci- anatomy • Santorio Santorio-Anatomist • Dr. Katherine Dibb – Expert in Cardiovascular Sciences • Justus von Liebig- Theories of Nutrition and Metabolism • Sir Richard Doll- Linking Smoking and Health Problems
Everyday Materials <ul style="list-style-type: none"> • William Addis - Toothbrush Inventor • Charles Mackintosh -(Waterproof coat) • John MacAdam- roads • Chester Greenwood - Earmuffs 	Animals inc Humans <ul style="list-style-type: none"> • Florence Nightingale Pioneer of modern nursing in GB • Elizabeth Garrett Anderson - First British female physician and surgeon • Steve Irwin-Wildlife expert • Robert Winston Human Scientist 	Rocks <ul style="list-style-type: none"> • Mary Anning- Fossil hunter • Dr Anjana Khatwa Geologist • William Smith Fossils strata • Inge Lehrmasn -Earth's Mantle • Katia Krafft - Geologist and Volcanologist 	States of Matter <ul style="list-style-type: none"> • Joseph Priestly – Discovered oxygen • Lord Kelvin -Absolute zero (temperature) • Anders Celsius -Temperature Scale • Daniel FahrenheitTemperature Scale / Invention of the Thermometer • George Washington Carver- chemist 	Properties and changes of Materials <ul style="list-style-type: none"> • Sir Humphrey Davy- Separating gases • Jamie Garcia (BP website)- Invention of a new plastic • Becky Schroeder - fluorescence material • Spencer Silver, Arthur Fry and Alan Amron - Post-It Notes • Ruth Benerito - Wrinkle-Free Cotton 	Evolution & Inheritance <ul style="list-style-type: none"> • Hippocrates -The Father of Medicine • Charles Darwin- Evolution • Alfred Russell Wallace – naturalist • Rosalind Franklin – DNA • Nettie Stevens – Geneticist • Professor Alice Roberts - Evolutionary biologist
Seasonal Changes <ul style="list-style-type: none"> • Dr Steve Lyons (Extreme Weather) • Holly Green (Meteorologist) 	Uses of Everyday Materials <ul style="list-style-type: none"> • Charles Macintosh-Waterproof material • John MacAdam- Tarmac 	Light <ul style="list-style-type: none"> • Justus Von Liebig Mirrors • James Clerk Maxwell (Visible and Invisible Waves of Light) 	Sound <ul style="list-style-type: none"> • Alexander Graham Bell -Invented the telephone • Aristotle - Sound Waves • Gailileo Galilei - Frequency and Pitch of Sound Waves 	Earth and Space <ul style="list-style-type: none"> • Margaret Hamilton- Computer scientist (Moon Landings) • Stephen Hawking- Black Holes • Mae Jemison – Astronaut • Claudius Ptolemy and Nicolaus Copernicus - Heliocentric vs Geocentric Universe • Neil Armstrong- First man on the Moon • Helen Sharman- GB astronaut • Caroline Herschel- First to find a comet • Valentina Tereshkova-Cosmonaut 	Light <ul style="list-style-type: none"> • Thomas Edison -Invented electric light bulb • Patricia Bath (BP website)- saving sight • Thomas Young (Wave Theory of Light) • Ibn al-Haytham -Light and our Eyes • Percy Shaw - The Cats Eye
		Forces & Magnets <ul style="list-style-type: none"> • Andre Marie Ampere- Electro-magnetism • The Wright Brothers - Airplanes • Henry Ford- Cars 	Electricity <ul style="list-style-type: none"> • Michael Faraday- Discovered relationship between magnets and electricity • Thomas Edison- Lightbulb • Joseph Swan- Incandescent Light Bulb 	Forces <ul style="list-style-type: none"> • Isaac Newton- Gravity • Albert Einstein- The Theory Of relativity • Galileo Galilei - Gravity and Acceleration • Archimedes of Syracuse- Levers 	Electricity <ul style="list-style-type: none"> • Nikola Telsa -AC electric system • Alessandro Volta- Electrical Battery • Nicola Tesla- Alternating Currents • Edith Clarke -Electrical engineer

