

EMERSONS GREEN PRIMARY SCHOOL - Science Curriculum

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Rec	Who am I	Seasons			How do things change and grow	
Year 1	Animals, including humans Key Scientists: Chris Packham (animal conservationist); Carl Hagenbeck (zoos); Lind Brown Buck (mammal studies)	Seasonal changes Key Scientists: Holly Green (meteorologist); George James Symons (inventor of rain gauge)		Plants Key Scientists: Beatrix Potter (author and botanist) CC/PD: Gardening	Everyday materials Key Scientists: Ole Kirk Christiansen (inventor of Lego); Charles Mackintosh (inventor of waterproof coat)	
Year 2	Living things and their habitats Key Scientists: Liz Bonnin (conservationist); Rachel Carson (marine biologist) CC/PD: Make a wildlife home		Animals, including humans Key Scientists: Louis Pasteur (germs)		Uses of everyday materials Key Scientists: John MacAdam (road-builder); Isambard Kingdom Brunel (engineer)	Plants Key Scientists: Jane Colden (botanist); Tim Smit (Eden Project)
Year 3	Growing plants Key Scientists: Jan Ingenhousz (photosynthesis); George Washington Carver (agricultural scientist) CC/PD: Gardening	Forces and Magnetism Key Scientists: William Gilbert (magnetism); Andre Marie Ampere (founder of electro-magnetism)	Animals, including humans Key Scientists: Adele Davis (20 th Century nutritionist); Marie Curie (x-ray)		Rocks Key Scientists: Mary Anning (fossils); Inge Lehmann (Earth's mantle); William Smith (geologist)	Light Key Scientists: James Clerk Maxwell (visible and invisible waves of light)
Year 4	Animals including humans Key Scientists: Ivan Pavlov (digestive system mechanisms); William Colgate (toothpaste)	Electricity Key Scientists: Thomas Edison (inventor of the lightbulb)	States of matter Key Scientists: Anders Celsius (temperature scale); Daniel Fahrenheit (temperature scale); Lord Kelvin (temperature scale)		Sound Key Scientists: Aristotle (sound waves); Gailileo Galilei (frequency and pitch of sound waves); Alexander Graham Bell (inventor of the telephone)	Living things and their habitats Key Scientists: Cindy Looy (environmental change); Jaques Cousteau (marine biologist); Gerard Durrell (conservationist)
Year 5	Properties and changes of materials Key Scientists: Ruth Benerito (wrinkle-free cotton); Stephanie Kwolek (inventor of Kevlar)		Earth and space Key Scientists: Claudius Ptolemy and Nicolaus Copernicus (heliocentric vs geocentric); Neil Armstrong , Helen Sharman and Tim Peake (space travel)	Forces Key Scientists: Galileo Galilei (gravity); Isaac Newton (gravity); Archimedes (levers)	Living things and their habitats Key Scientists: David Attenborough (naturalist); Eva Crane (life cycle of bees)	Animals, including humans Key Scientists: David Attenborough (naturalist)
Year 6	Electricity Key Scientists: Alessandro Volta (electrical battery); Nicola Tesla (alternating currents); Steve Jobs (electronics in computing)	Light Key Scientists: Thomas Young (wave theory of light); Ibn Al-Haytham (light and our eyes); Stephen Hawking (black holes)	Living things and their habitats Key Scientists: Carl Linnaeus (classifying plants and organisms); Libbie Hyman (classifying invertebrates)	Evolution and inheritance Key Scientists: Charles Darwin and Alfred Russel Wallace (theory of evolution); Jane Goodall (chimpanzees); Mary Leakey (fossils)	Animals, including humans Key Scientists: Justus von Liebig (nutrition and metabolism); Sir Richard Doll (research on smoking); Leonardo Da Vinci (anatomy)	

