

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Seasonal change Key Scientists John Dalton (1766 – 1844) Famous for the amount of time he kept a weather diary for.	Everyday Materials Key Scientists John Boyd Dunlop (1840 – 1921) - Charles Macintosh (176 – 1843) - John McAdam (1756 – 1836) –	Animals including humans Key Scientists Carl Linnaeus (1707-1778) - The inventor of modern scientific classification. Amy Vedder (1951 -) – Wildlife biologist and conservationist	Seasonal change Key scientists Gabriel Fahrenheit (1686 – 1736) – Inventor of the first modern thermometer.	Plants Key scientists Barbara McClintock (1902 – 1992) Joseph Banks (1743 – 1820) Gregor Mendel (1822 -1884) Carl Linnaeus (1707 – 1778) George Forrest (1873 – 1932)	Seasonal Change Key scientists Inez Fung (1941 -) – Studies climate change
Year 2	Uses of everyday Materials <u>Key Scientists</u> Leo Hendrik Baekeland (1863 - 1944) - Goodyear(1800- 1860) –	Uses of everyday Materials	Living things and their habitats Key scientists Kate Humble (1968 -) — naturalist and presenter on BBC of wildlife programs Steve Backshall (1973 -)— naturalist and presenter on BBC of wildlife programs Chris Packham (1961 -) - naturalist and presenter on BBC of wildlife programs	Living things and their habitats	Animals including humans Key scientists David Attenborough (1926 -) http://www.davidattenborough.co. uk/biography/ Key scientists David Attenborough (1926 -) http://www.davidattenborough.co. uk/biography/	Plants Key scientists Barbara McClintock (1902 – 1992) Joseph Banks (1743 – 1820) Gregor Mendel (1822 -1884) Carl Linnaeus (1707 – 1778) George Forrest (1873 – 1932)



PRIMARY SCHOO	30DJEC	CORRICULUM	JAEKAIEM - 2CIE	ence <mark>Biology, Ch</mark>	ernisity, <mark>Physics</mark>	
Year 3	Forces and Magnets Key Scientists William Gilbert (1544 – 1603) - Hans Christian Oersted (1777 – 1851) –	Forces and Magnets	Animals including humans Key scientists Diane France (1954 -) Diane France solves mysteries and crimes by deciphering the stories bones tell her	Rocks Key scientists Professor Ian Stewart (contemporary geologist) Adriana Ocampo (1955 -) Space geologist http://iwaswondering.org/inez homepage.html Friedrich Mohs (1773-1839) Inge Lehmann (1888-1993) Alfred Wegener (1880 – 1930) Tuzo Wilson (1908-1993) Marie Tharp(1920 – 2006) Dorothea Bate (1878 – 1951)	Light Key Scientists James Clerk Maxwell (1831- 1879) - http://www.clerkmaxwellfoundation.org/html/who was maxwell .ht ml Thomas Young (1773 – 1829)	Plants Key scientists Barbara McClintock (1902 – 1992) Joseph Banks (1743 – 1820) Gregor Mendel (1822 -1884) Carl Linnaeus (1707 – 1778) George Forrest (1873 – 1932
Year 4	Electricity Key Scientists Benjamin Franklin (1706- 90). Charles Augustine Coulomb (1736-1806). Alessandro Volta (1745- 1827). Andre-Marie Ampere (1775- 1836).	Sound Key Scientists Robert Boyle (1627- 1691) Ernst Mach (1838-1916). Described how shock waves are formed. Heinrich Hertz (1857-94).	States of matter	States of matter Key Scientists Alfred Barnhard Nobel (1833-1896) - http://www.nobelprize.org/alfred_nobel/ Royal Society of Chemistry	Animals including humans Key scientists Al-Jahiz (9 th Century) – Provided one of the earliest descriptions of food webs. He was working in Baghdad, Iraq, in the early 800s. Charles Elton (1900 – 1991) – Initiated the study of animal ecology	Living things and their habitats Key scientists Carl Linnaeus (1707 – 1778) – Developed a method for classifying all living things on the planet. http://www.nhm.ac.uk/nature-online/science-of-natural-history/biographies/linnaeus/
Year 5	Animals including humans Key Scientists Professor Robert Winston (1940 -) – contemporary scientist	Properties and changes of materials Key Scientists Antoine Lavoisier (1743 - 1794) Dmitri Mendeleyev (1834 - 1907)	Earth and space Key Scientists Aristarchus (310 – 230 B.C.). He was the first to figure out that the Earth travels around the Sun. Nicolas Copernicus (1473 – 1543). Had the idea that Earth revolves on its axis and	Living things and their habitats Key scientists There are plenty of contemporary scientists working in this field. Look out for current information on science related to reproduction. For example:	Forces Key Scientists Sir Isaac Newton (1642 – 1727) – Formulated the laws of motion - http://www.bbc.co.uk/history/hist oric figures/newton isaac.shtml Christopher Cockerell (1910- 1999) – Inventor of the hovercraft -	Forces



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TRIPIANT SCE		Sir Humphry Davy (1778 - 1829) John Dalton (1766 - 1844) Marie Curie (1967-1934) Royal Society of Chemistry – 'The 175 Faces of Chemistry' provides information on contemporary chemists and chemists of the past - http://www.rsc.org/diversity/175-faces/all-faces	the Earth and other planets orbit around the Sun Galileo Galilei (1564 – 1642 Edwin Hubble (1889-1953). William Huggins. Showed that stars are made up of the same elements that exist on Earth. Cecilia Payne-Gaposchkin (1900-79). Arthur Eddington (1882-1944). He was the first to work out what the inside of a star was like. Professor Brian Cox (1968 -) Contemporary physicist, presents many BBC programmes) Heidi Hammel (1960 -) Astronomer	Kansas State University is currently investigating how to shut down the reproductive ability and desire in pest insects - http://www.sciencedaily.com/releases/2013/08/130826182917.htm Berry J. Brosi, an assistant professor at Emory University in Atlanta, and Heather M. Briggs, a graduate student at the University of California, Santa Cruz found that a loss of bees affects a plant's ability to reproduce. http://www.nytimes.com/2013/07/23/science/loss-of-beescan-affect-plants-ability-to-reproduce-study-finds.html? r=0	http://www.design- technology.info/inventors/page11. htm Archimedes (c.287 - c.212 BC) — Greek inventor - http://www.bbc.co.uk/history/hist oric figures/archimedes.shtml	
Year 6	Living things and their habitats Key scientists Carl Linnaeus (1707-1778) The following video outlines the work of Carl Linnaeus - http://www.nhm.ac.uk/nat ure-online/science-of-natural-history/biographies/linnae us/ Evelyn Cheesman (1881 – 1969) The following video outlines the work of Evelyn Cheesman - http://www.nhm.ac.uk/nat	Thomas Edison (1847-1931). Inventor of the fuse. Benjamin Franklin (1706- 90). Showed that lightning is caused by electricity. Charles Augustine Coulomb (1736-1806). Alessandro Volta (1745- 1827). Invented the first battery. The volt, the unit of electromotive force, is named after him. Andre-Marie Ampere (1775- 1836).	Evolution and inheritance Key Scientists Charles Darwin (1809 – 1882) The following video outlines the work of Charles Darwin - http://www.nhm.ac.uk/nat ure-online/science-of-natural-history/biographies/charles -darwin/index.html Alfred Russel Wallace (1823 - 1913) The following video outlines the work of Alfred Russel Wallace - http://www.nhm.ac.uk/nat ure-online/science-of-natural-history/biographies/wallac e/index.html	Animals including humans Key scientists William Harvey (1578 – 1657) Discovered the circulatory system. http://www.bbc.co.uk/history/historic figures/harvey william.shtml	Animals including humans	Light Key Scientists Thomas Young (1773 – 1829) – Wave theory of light. Double-slit experiment. Sir David Brewster (1781 – 1868) - Deduced `Brewster's law'' giving the angle of incidence that produces reflected light which is completely polarized; invented the kaleidoscope and the stereoscope, and improved the spectroscope Jean-Bernard-Leon Foucault (1819-1868) – Accurately measured the speed of light



PRIMARY	SCHOOL SUBJECT	I CURRICULUM (JAEKAIEM – 2CIE	ence <mark>Biology, Ch</mark> e	emistry, <mark>Physics</mark>	
	ure-online/science-of-					
	<u>natural-</u>					
	history/biographies/evelyn		Richard Owen (1804 –			
	-cheesman/index.html		1882) The following			
			website outlines the work			
	61.11 61 /4660		of Richard Owen -			
	Sir Hans Sloane (1660 – 1753)		http://www.nhm.ac.uk/nat ure-online/science-of-			
			natural-			
	The following video		history/biographies/richard			
	outlines the work of Sir		-owen/index.html			
	Hans Sloane -					
	http://www.nhm.ac.uk/nat ure-online/science-of-					
	natural-					
	history/biographies/hans-					
	sloane/index.html					
	Gilbert White (1720 –					
	1793)					
	The following website					
	outlines the work of Gilbert					
	White -					
	http://www.nhm.ac.uk/nat					
	ure-online/science-of-					
	natural- history/biographies/gilbert					
	-white/index.html					
	-write/index.ntmi					