Belle Vue Science Curriculum Overview with Scientist Explained

	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Y1	**Biology** Human Body **Helen Keller USA (1880-1968)** First deaf and blind woman to study at university and obtain a degree	**Biology** Animals and their needs **George Mottershead (1895-1978) UK** Founder of Chester Zoo, 'Zoo without cage'	**Physics** Seasons and Weather **Chester Greenwood (1858-1937) USA** Inventor – Designed and patented Ear Muffs	**Physics** Taking Care of the Earth **Rachel Carson (1907 –1964) USA** Marine Biologist, conservationist and writer	**Biology** Plants **Sir Tim Smit (1954 -) Dutch** Eden Project Conceived the idea for Spiral Garden	**Chemistry** Materials and Magnets **John Dunlop (1840 - 1921) Scotland** Tyres
Y2	**Biology** Human Body **Edward Jenner (1749-1823) UK** Pioneer of Vaccination	**Biology** Living Things and their Environment **Dian Fossey (1932-1985) USA** Primatologist focus on Mountain Gorillas	**Physics** Electricity **Benjamin Franklin (1706-1790) USA** Scientist Lightning/electricity	**Biology** Plants **George Washington Carver (1864–1943) USA** (Born into slavery) Agricultural Innovator	**Chemistry** Materials and Matter **George De Mestral (1907 - 1990) Switzerland** Velcro	**Physics** Astronomy **Bernard Lovell (1913-2012) UK** Created the Lovell Telescope
Y3	**Biology** Human Body **Marie Maynard Daly (1921 - 2003) USA** 1st African-American woman Ph.D Chemistry) Cholesterol	**Biology** Cycles in Nature **Jodi Rowley (?) Australia** Amphibian Biologist	**Chemistry** Rocks **Mary Anning (1799-1847) UK** Female Palaeontologist	**Physics** Forces & Magnets **Leonardo da Vinci (1452 - 1519) Italy** First to record the laws of friction	**Biology** Plants **Joseph Banks (1743-1820) UK** Botanist who travelled with Captain Cook	**Physics** Light **Arthur Wilson (1858–1945) UK** 1st deaf person to buy/drive a car Invented Car Wing Mirrors

Y4	**Biology** Human Body **Washington Sheffield** **(1827 – 1897) USA** Invented Toothpaste	**Biology** Classify Plants and Animals **Libbie Hyman** **(1888 – 1969) USA** Invertibrate Zoology and Classification	**Biology** Ecology **Eva Crane** **(1912 – 2007) UK** Quantum mathematician and world expert on Bees	**Physics** Sound **Alexander Graham Bell** **(1843 – 1922) Scotland** Devised Sign Language	**Chemistry** The Water Cycle **Lord Kelvin** **(1824-1907) Ireland/Scotland** Physicist, Maths and Engineer Absolute Zero Temperature	**Physics** Electricity **Thomas Edison** **(1847 – 1931) USA** Many inventions and credited with the Light Bulb
Y5	**Biology** Human Body **G Stanley Hall** **(1844-1924) USA** Psychologist Theory of adolescence development	**Chemistry** Materials **Stephanie Kwolek** **(1923 – 2014) USA** Polish-American Invented Kevlar Fabric	**Biology** Living Things **David Attenborough** **(1926 -) UK** Broadcaster, biologist & World Wildlife	**Physics** Forces **Sir Isaac Newton** **(1643-1727) UK** Italian teacher, scientist & inventor Gravity	**Physics** Astronomy **Katherine Johnson** **(1918-2020) USA** African American Woman and Mathematician Space flight trajectory	**Physics** Meteorology **Jonathan Shanklin** **(1953-) Wales** Discovered the hole in the Ozone Layer
Y6	**Biology** Human Body **David Hale Williams** **(1854 – 1931) USA** African-American 1st successful Open Heart Surgery	**Biology** Classification of Living Things **Carolus Linnaeus** **(1707-1778) Sweden** Botanist	**Physics** Electricity **Granville T Woods** **(1956 – 1910) USA** Inventor and electrical engineer Railway electrical safety	**Physics** Light **Garrett Morgan** **(1877-1963) USA** African American Inventor Traffic Lights	**Biology** Reproduction **Wilhelm Hofmeister** **(1824-1877) Germany** Plant reproduction	**Biology** Evolution **Charles Darwin** **(1809 – 1882) UK** Naturalist, Biologist and Geologist Theory Evolution