

**Significant People & Selection Rational overview for Science**

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|  |  | Autumn | Spring | Summer |
| KS1 | Cycle A | Explorers – Humans  Jane Goodall  About Jane - Jane Goodall Institute USA | Paddington’s Travels – Animals & Habitats  David Attenborough  Sir David Attenborough named Champion of the Earth by UN - BBC News | London’s Burning – Materials  Charles Mackintosh  Charles Macintosh | Scottish chemist | Britannica |
| Reason for Significant person selection | British ethologist, known for her exceptionally detailed and long-term research on the chimpanzees, the animals that are most closely related to humans. | David Attenborough is a British naturalist and media personality best known for writing and presenting programs that have inspired the modern format of nature documentaries. | Charles Macintosh was a Scottish chemist and the inventor of the modern waterproof raincoat. The Mackintosh raincoat (the variant spelling is now standard) is named after him. |
| Cycle B | Traditional Tales – Materials  Stephanie Kwolek  Stephanie Kwolek: The Groundbreaking Chemist Whose Invention Stops Bullets  | A Mighty Girl | Wonderful World – Animals - Groups  Carl Linnaeus  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\4CF3D1B8.tmp | How Does your Garden Grow? - Plants  George Washington Carver  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\D7CBFE9A.tmp |
| Reason for Significant person selection | Stephanie Louise Kwolek was a Polish-American chemist who is known for inventing a new material called Kevlar. | Carl Linnaeus was a Swedish botanist, zoologist, taxonomist, and physician who formalised binomial nomenclature, the modern system of naming organisms. | Carver is most famous for his various methods of farming and preparing peanuts, but his contributions to the plant sciences were so much more. For one, he developed various methods of crop rotation, which boost soil fertility and increase both production and sustainability of farms. |
| LKS2 | Cycle A | Stone Age to Iron Age – Rocks – Rocks & Animals  Mary Anning  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\D4ACF886.tmp | Greeks – Forces & Magnets  William Gilbert  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\F6E99E84.tmp | Local Area – Humans & Plants  Wilhelm Conrad Röntgen  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\7E2A7B32.tmp |
| Reason for Significant person selection | Mary Anning was an English fossil collector, dealer, and palaeontologist who became known around the world for the discoveries she made in Jurassic marine fossil beds in the cliffs along the English Channel at Lyme Regis in the county of Dorset in Southwest England. | The Englishman William Gilbert was the first to investigate the phenomenon of magnetism systematically using scientific methods. | Wilhelm Conrad Röntgen was a German mechanical engineer and physicist, who, on 8 November 1895, produced and detected electromagnetic radiation in a wavelength range known as X-rays |
| Cycle B | Romans – States of Matter & Electricity  Benjamin Franklin  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FF5AB210.tmp | Window on the World – Animals  Greta Thunberg  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\8E76B29E.tmp | Anglo- Saxons – Sound & Light  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\F936185C.tmp |
| Reason for Significant person selection | Some believe Ben Franklin was the first to discover electricity, but, as we’ll learn later in this article, his famous experiment involving a kite and a key actually showed that lightning is a form of electricity. | Greta Tintin Eleonora Ernman Thunberg is a Swedish environmental activist who is known for challenging world leaders to take immediate action for climate change mitigation. | Alexander Graham Bell was a Scottish-born inventor, scientist, and engineer who is credited with patenting the first practical telephone.. |
| UKS2 | Cycle A | Poppies, Peace & Power – Light & Electricity  Joseph Swan  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\1E186E49.tmp | Natural Disasters – Materials  Claude Louis Berthollet  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\E9A9CD34.tmp | **Space – Earth & Space**  Johannes Keppler  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\D6508D62.tmp |
| Reason for Significant person selection | Joseph Swann was English physicist and chemist who produced an early electric lightbulb | It was believed that all chemical reactions were irreversible until 1803, when French chemist Claude Louis Berthollet introduced the concept of reversible reactions. | Johannes Kepler was a German mathematician and astronomer who discovered that the Earth and planets travel about the sun in elliptical orbits. |
| Cycle B | Vikings - Humans  Marie M Daly  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\2985F3C0.tmp | Egyptians – Micro-organisms  Edward Jenner & Alexander Fleming  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\1F204FCE.tmp | Rainforest – Evolution  Charles Darwin  C:\Users\charlotte.lightowler\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\202C1D0C.tmp |
| Reason for Significant person selection | Marie M Daly research disclosed the relationship between high cholesterol and clogged arteries and increased our understanding of how foods and diet affect the health of the heart and the circulatory system | Edward Jenner was an English surgeon and discoverer of vaccination for smallpox.  Alexander Fleming was a Scottish physician-scientist who was recognised for discovering penicillin. | Charles Darwin was an English [naturalist](https://en.wikipedia.org/wiki/Natural_history#Before_1900), [geologist](https://en.wikipedia.org/wiki/Geologist) and [biologist](https://en.wikipedia.org/wiki/Biologist), best known for his contributions to [evolutionary biology](https://en.wikipedia.org/wiki/Evolution). His proposition that all species of life have descended from [common ancestors](https://en.wikipedia.org/wiki/Common_ancestors) is now widely accepted and considered a fundamental concept in science. |