



Scientist and Inventor Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Materials <ul style="list-style-type: none"> • Ole Kirk Christiansen - Invented Lego in 1949. 	Seasonal Changes <ul style="list-style-type: none"> • John Dalton - British weather pioneer. • George James Symons - Invented his own version of the rain gauge that is still used by meteorologists today. 	Light and Dark <ul style="list-style-type: none"> • Thomas Edison - Invented the light bulb. 	CREST Awards <ul style="list-style-type: none"> • Jérémie Opdebec – Invented the first clothes peg (Peggy Problem activity) 	Animals, including Humans <ul style="list-style-type: none"> • Chris Packham – Animal conservationist. 	Plants <ul style="list-style-type: none"> • Beatrix Potter – author and botanist.
Year 2	Living Things and Habitats <ul style="list-style-type: none"> • Rachel Carson - Discovered the dangers of chemical pollution in the ocean. • Charles Darwin - Introduced the idea that species adapt to their environment in order to survive and reproduce. 	Materials <ul style="list-style-type: none"> • Charles Macintosh - Charles Macintosh invented the first waterproof fabric. • John Dunlop - Invented the pneumatic tyre. 	Animals, including Humans <ul style="list-style-type: none"> • David Attenborough - David is a wildlife film-maker and naturalist who has written and presented many popular documentaries about animals and their behaviour. 	Plants <ul style="list-style-type: none"> • Sir Joseph Banks - Botanist who studied plants and travelled with Captain Cook. • Jane Colden - Jane Colden was a botanist. She is thought to be America's first woman botanist. 		
Year 3	Forces and Magnets <ul style="list-style-type: none"> • Isaac Newton - discovered gravity when an apple fell from a tree and (as legend has it) hit him on the head. 	Rocks <ul style="list-style-type: none"> • Mary Anning - Remembered as being one of the greatest fossil hunters to ever live. 	Animals, including Humans <ul style="list-style-type: none"> • Marie Curie - Developed the use of x-rays, which meant that a lot more patients could be correctly 	Light <ul style="list-style-type: none"> • Archimedes - Known for having interest in the reflection of light in mirrors, and how it could change based on the curves of the moon. 	Plants <ul style="list-style-type: none"> • Jeanne Baret - The first woman to sail around the world and introduced around 70 plants to Europe. 	

		<ul style="list-style-type: none"> • William Smith - William studied geology and would study the pattern of fossils. He realised that he could tell the age of a rock by looking at fossils. 	diagnosed and treated.		
Year 4	States of Matter <ul style="list-style-type: none"> • Anders Celsius - Temperature scale • Daniel Fahrenheit - Inventor of the thermometer. • Lord Kelvin - William Thomson, who is better known as Lord Kelvin, determined the temperature of absolute zero (the coldest possible temperature). 	Electricity <ul style="list-style-type: none"> • Thomas Edison - Invented the light bulb. • Lewis Latimer - Played an important role in the development of the modern lightbulb. He improved on others' inventions to produce a lightbulb with a carbon filament. 	Sound <ul style="list-style-type: none"> • Alexander Graham Bell - Invented the telephone. 	Animals, including Humans (Digestion and Teeth) <ul style="list-style-type: none"> • Washington Sheffield - An American dentist and he was famous for inventing the first modern toothpaste in a tube. 	Living Things and their Habitats (Food Chains) <ul style="list-style-type: none"> • Carl Linnaeus - Naturalist who invented the way we name living things (classification).
Year 5	Properties and Changes in Materials <ul style="list-style-type: none"> • Stephanie Kwolek - While trying to find a lighter material for car tyres, Stephanie created a very hard, but light, material called Kevlar. This invention was used in cars but also in bulletproof vests and is still used to protect the police and armed forces today. • Jamie Garcia - A modern scientist who discovered a new kind of plastic which is fully recyclable and super strong! 	Space <ul style="list-style-type: none"> • Helen Sharman - The first woman in Space. • Mae Jemison - First African-American woman in space. • Katherine Johnson - Helped NASA put an astronaut into orbit around Earth and then helped put a man on the moon. 	Living Things and their Habitats <ul style="list-style-type: none"> • Find out about the work of naturalists and animal behaviourists such as David Attenborough and Jane Goodall. 	Animals, including Humans <ul style="list-style-type: none"> • Ernest Everett Just - A biologist and educator who pioneered many areas on the physiology of development, including fertilisation and cell division. 	Forces <ul style="list-style-type: none"> • Galileo Galilei - Worked on a variety of experiments.

Year 6

Animals, including Humans

- **Sir Alexander Fleming** - Scottish bacteriologist who discovered the first antibiotic (penicillin) in 1928.
- **William Harvey** - Discovered how blood moves through the body.

Living Things and their Habitats

- **Carl Linnaeus** - Helped to develop crucial theories on biodiversity and the classification of plants and animals.

Evolution and Inheritance

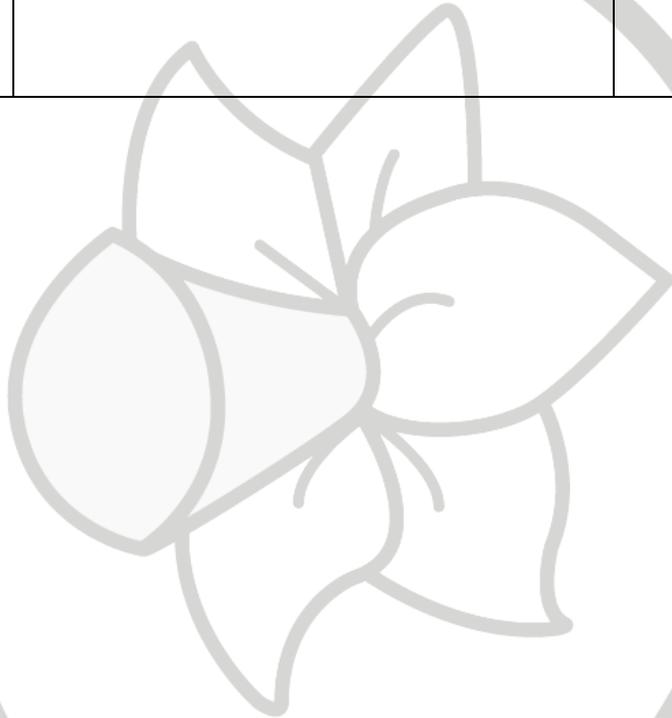
- **Charles Darwin**
- **Gregor Mendel** - Through experimentation, he found that certain traits were inherited following specific patterns.

Light

- **Albert Einstein** - Einstein came up with the concept that light is made up of particles called photons.

Electricity

- **Alessandro Volta** - Pioneer of electricity who invented the first battery.
- **Nikola Tesla** - Best known for his work with electricity, including the design of alternating current (AC) electricity.



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