

Class 3 – Autumn 2 – Scientists and Inventors. Sparks Might Fly



What will we be learning?

- Learn about the life and work of David Attenborough and create a documentary about a living thing of their choice.
- Discover how CSI technicians use scientific techniques to analyse evidence and prove or disprove theories. They will use chromatography to analyse the ink used in a spelling test.
- Research Margaret Hamilton and her invention of the software and computer code.
- Learn about Neil deGrasse Tyson's role in the reclassification of Pluto.
- The children will explore the Eva Crane's research into bees and will play a game about the life cycle of bees.
- Research Da Vinci's ideas about the proportions of the human body seen in his work The Vitruvian Man.

Key Individuals

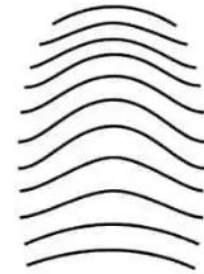
David Attenborough is a wildlife film-maker and naturalist who has written and presented many popular documentaries about animals and their behaviour.

Eva Crane was a physicist who became interested in bees' behaviour and their life Cycle. Leonardo da Vinci was known as an expert scientist, inventor, engineer, architect, writer, sculptor and painter.

Margaret Hamilton worked for NASA and was responsible for programming the onboard flight software on the Apollo spacecraft computers.

Neil deGrasse Tyson: In 2006, Pluto was reclassified as a dwarf planet and Neil was a big part of making this decision.

Label the fingerprints



What is the name of the system Margret Hamilton created called?

Can you name the five dwarf planets in our solar system?

Key vocabulary

- **Biology:** The study of living things.
- **Chemistry:** The science that deals with the substances that something is made from, their properties and how they react with other substances.
- **Chromatography:** A scientific technique used to separate and find out which chemicals are in a mixture. This could be drugs or poisons.
- **DNA:** DNA is the material that carries all the genetic information about how a living thing looks and functions.
- **Geology:** The study of what the Earth is made of, including rocks and soils.
- **Naturalist:** A person who studies plants and animals and their environments.
- **Physicist:** A scientist who specialises in the study of physics, which includes electricity, astronomy, forces, light and sound.

What I have learnt.

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