

**Maths:** This term children will Negative numbers; fractions focuses on positive and negative whole numbers, and then comparing, ordering, adding and subtracting fractions, including mixed numbers. Shape, and measurement in relation to shape focus on 2D shapes, their properties, areas, and perimeters, and 3D shapes, their nets, volumes and properties. Division; fractions and percentages focus on division and fractions; children rehearse mental strategies and short division, giving remainders as fractions; fractions are added, subtracted, multiplied and divided; finding percentages is also covered. Children will also practise SATS style questions.

**Science:** Children will explore light and how we see things. Understand the function of the eye and how the eye allows us to see. Understand how we can bend light. Understand how information travels in an optical fibre cable. How can optical fibres be used.

**Topic:**

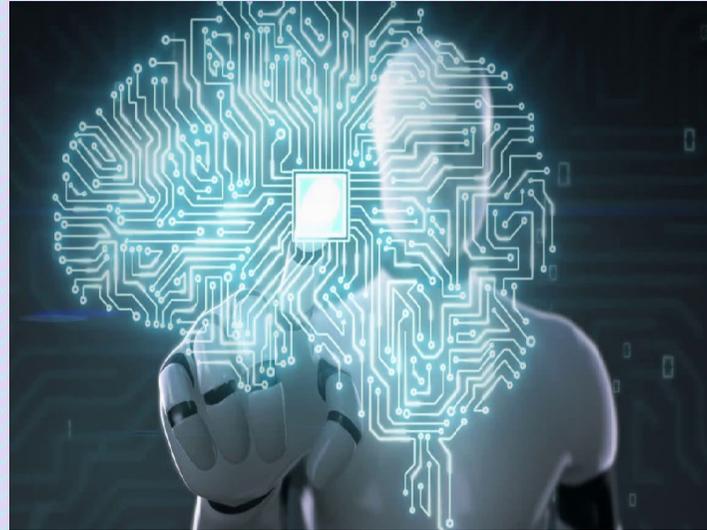
This term children will be looking at the history of computing and create a timeline using MS Word and the internet. They will also be looking at famous individuals and research how they have helped change the world of technology.



## Memorable experience:

Visit to the Apple store for a session on coding. Children to programme a sphero to tell a story.

# Tomorrow's World



## Innovate Challenge: Spy School

MI99 are setting up a spy school for young people who are interested in espionage. Does that sound like you? Shh come closer. They would like you to design and create a spy school website that gives the parents the information they need for the spy school.

**PE:**

This half-term children will be focussing on basketball and the skills associated with playing the game. These include bouncing the ball, passing the ball aiming and shooting the ball into the hoop.

**Literacy:** The children will be reading a spy thriller *Stormbreaker*. Alex Rider is not your average fourteen-year-old. Raised by his mysterious uncle, an uncle who dies in equally mysterious circumstances, Alex finds himself thrown into the murky world of espionage. The children will follow his journey and compose a cv applying for a job as a spy agent. They will also write letters of advice. Analyse characters and understand the techniques used by authors. Contribute to class discussions and debate.

**Art/DT:**

This half term children will be designing their own gadget for an everyday problem or relating to a hobby they have. They will be researching other gadgets already available on the market. They will create a design brief and come up with different design models which they can choose from. Children will also be looking at logos and designing a logo for their gadget.

**PSHE:**

Children will understand the developments in technology the benefits and drawbacks.

