

EYFS – Exploring hardware and using a computer

Pupils will have the opportunity to explore a range of different types of hardware. They will also use an iPad to take photographs.

Pupils will then have the opportunity to explore the use of a keyboard and mouse.

Year 1 – Improving Mouse Skills

Pupils will develop their ability to drag, drop, and click to control a cursor using a mouse. They will be applying this skill to create a piece of artwork by using different tools including drawing shapes.

Year 2 – What is a computer? & Word Processing

Pupils will be able to recognise different forms of technology and learning about input and outputs.

They will also develop their word processing skills including touch typing and modifying text as well as keyboard short cuts for copy and paste.

Year 6 – Bletchley Park and the History of Computers & Exploring AI

Pupils will learn about different methods for coding computers. This will also link with e-safety to ensure that pupils understand the importance of a secure password. Pupils will look at how computers have developed over time and they will combine their knowledge to design a computer for the future.

Pupils will explore what AI is and how it generates text, images and code, as well as learning about creating and refining prompts to improve AI responses while also considering the ethical implications of AI.

Year 5 – Search Engines

Pupils will continue to develop their understanding of networks with a focus on search engines. They will learn about different search engines as well as how search engines work. Pupils will also learn how to identify the relevance and accuracy of information online. They will then apply these skills to find relevant and accurate information online.

Year 4 – Collaborative Learning

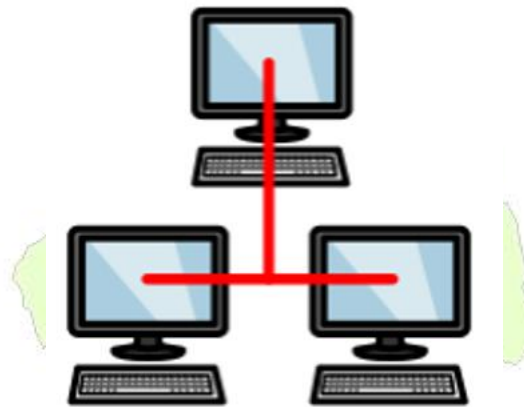
Pupils will develop their understanding of networks through sharing and working on documents collaboratively. This will include word, excel and forms. This provides opportunities for pupils to build on previous skills from this strand as well as strands from data handling.

Year 3 – Networks, Emails and Journey inside a computer

Pupils will be introduced to the concept of networks and how these work. This will also be linked to how we receive information when we use the internet,

Due to pupils not having an email address, and emailing being an optional unit, emails will be completed using paper and seesaw to record work. Pupils will learn about email addresses, CC/BCC and how to send emails. They will also apply their word processing skills to write emails using templates on Seesaw. At the end of the unit, they will learn about scam emails and how to identify them.

In the final unit, pupils will develop their understanding of the components which make up a computer, building on their knowledge of input and outputs, and understanding the importance of different parts.



Computer Systems and Networks