

Computer systems

Legacy & Significance

The lasting impact and importance of a person, event, object or idea.

Prior and Future Knowledge

KS1:

Children recognise that a range of technology is used in places such as homes and schools.

Recognise common uses of information technology beyond school.

Use technology purposefully to create, organise, store, manipulate and retrieve digital content.

KS2:

Use sequence, selection, and repetition in programs.

Understand computer networks including the internet.

Design, write and debug programs that accomplish specific goals



My Component Knowledge:

Lesson 1: I can describe how systems are made up of different parts that work together

Lesson 2: I can recognise the role of computer systems in our lives

Lesson 3: I can identify how to use a search engine effectively

Lesson 4: I can describe how search engines select results

Lesson 5: I can explain how search results are ranked

Lesson 6: I can recognise why the order of results is important and to whom

My Composite Knowledge:

I can explore computer systems and how information is transferred between devices. I will explore the input, output and processes of a variety of different real-world systems and discover how information is found on the WWW through learning how search engines work.

My Powerful Knowledge:

As I become more independent using technology, across subjects, it is important to understand how computer systems work and how information moves between devices. Developing my ability to explain real-world systems through input, process, and output, supporting logical thinking and problem-solving. Learn how search engines operate, enabling them to research effectively, evaluate results critically, and strengthen digital literacy.

Key Vocabulary

Tier 1: input, connection, digital, reuse.

Tier 2: system, process, output.

Tier 3: remix, collaboration, packets.



How do
systems
transfer
messages
through
packets??

What is a system?

