

Year 5 – Term 3

Do you need to see something to believe in it?

COMPUTING



National Curriculum Links:

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

Understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration.

Essential Prior Learning:

Search engines rank pages.

Use a standard search engine to find information, identifying key words and phrases to input.

A server is a computer that is connected to the internet and provides services (e.g. file storage, printing, authentication, web pages or email) to other computers.

Progression in Skill:

Understand how data routing works on the internet.
Use filters to make more effective use of a standard search engine.

Analyse and evaluate information.

Long-term Memory Knowledge:

The Internet is a network of information.

The server hosts the website and returns the information searched for.

We can trust some websites more than others by:

- checking how recently it has been published
- seeing whether the same information can be found elsewhere,
- questioning the reliability of the source.

Search engines will rank information, often as a result of being paid.

Key Vocabulary

cyber	relating to computers or computer networks
search engine	a program that searches for and identifies items in a database that match keywords or characters given by the user
page rank	a value assigned to a web page as a measure of its popularity or importance; used to determine the order in which search engine results are presented
reputable	having a good reputation
IP address Internet Protocol address	a bit like a postcode: unique to each computer connected to the internet; a set of numbers that might look like this: 195.188.87.10.

Progression in Resources:

Digital or video cameras

Computers/Laptops/Tablets

Google/ICT Logo Control/Sussex Road Wiki

Relevance

Now	Children question the reliability of Internet content and do not believe everything they read online.
Future	Children use the Internet as a reliable source of information; they recognise and use reputable websites.
Aspiration	Work in the creation of reliable digital content either professionally or otherwise; have a career in policing the Internet, looking for and taking down unsuitable content.