



Year 4 Knowledge Organiser

Computing – World Wide Web

What I should already know.

- Follow a simple search to find specific information from a web site or CD ROM.
- Develop key questions and key words to search for specific information to answer a problem (e.g. a question such as where could we go on holiday? would become holiday destinations).
- Save and retrieve accessed information through the use of Favourites, History, and Save As...
- Use found information purposefully to complete specific tasks e.g. copy, paste and edit relevant information.
- Understand the dynamics of search engines and know that there are different search engines - some within sites, and some for the whole of the Internet (e.g. Google). Use them appropriately.
- Use search engines for different media (e.g. Google Image Search, video, www.findsounds.com).
- Skim read and sift information to check its relevance and modify search strategies if necessary.

What will I know by the end of the unit?

- Be able to explain that the computers in the classroom are part of the school network. That they are connected by wires (or wirelessly) to a main computer called the server. Other devices such as printers, projectors and visualisers may also be connected. Draw or a label a diagram to show this.
- Be able to explain that the server is connected to the Internet, which is made up of a global network and is able to communicate with other servers to share resources and data. Draw or a label a diagram to show this.
- Access a given website by typing in the URL (Uniform Resource Locator) into the address bar of a browser and be able to explain what the different parts of the 'address' (URL) refer to.
- Be able to explain what the school's monitoring software does and why it has been installed.

Key Vocabulary

Network
Wireless
Server
Internet
World Wide Web
URL
Browser
Protocols

Key Knowledge

- **Know that a network is a group of computers that are connected so that they can communicate and share resources and data with each other.**
- Know that an individual's user name and password gives them unique access to particular, or personal, areas on the school network and that their use is monitored to keep them safe.
- **Know that computers communicate with each other using shared 'protocols' – the signals, messages and "passwords" that different computers use when "talking" to each other.** E.g. a classroom is a network with the teacher and lots of children (communicating devices). Routes and rules (protocols) are made and understood for communicating with each other (hands up before speaking to the teacher, formality of language used).
- Know that the server sits in a different part of the school, performs tasks for the rest of the computers and is connected to the Internet.
- **Understand that the Internet and the World Wide Web are not the same thing – the WWW is a collection of hyperlinked web pages and websites and is just one of the many services provided over the Internet.**
- Understand that The Internet is the host to many different parts – The World Wide Web, Email, File Transferring, Chat Rooms, News Groups ...

Online Safety

Protect and Secure

Is it real?

Be E-safe and enjoy!

In doubt? Talk about!



Software

