Eversley Primary School– Knowledge Organiser

Computing	Computing systems and networks – Communication and Collaboration	Year 6	Autumn 1

Key Knowledge

To identify how to use a search engine	• I can compare results from different search engines • I can complete a web search to find specific information • I can refine my search
To describe how search engines select results	• I can explain why we need tools to find things online • I can recognise the role of web crawlers in creating an index • I can relate a search term to the search engine's index
To explain how search results are ranked	• I can explain that a search engine follows rules to rank relevant pages • I can explain that search results are ordered • I can suggest some of the criteria that a search engine checks to decide on the order of results
To recognise why the order of results is important, and to whom	• I can describe some of the ways that search results can be influenced • I can explain how search engines make money • I can recognise some of the limitations of search engines
To recognise how we communicate using technology	• I can choose methods of communication to suit particular purposes • I can explain the different ways in which people communicate • I can identify that there are a variety of ways of communicating over the internet
To evaluate different methods of online communication	• I can compare different methods of communicating on the internet • I can decide when I should and should not share • I can explain that communication on the internet may not be private

Possible experiences

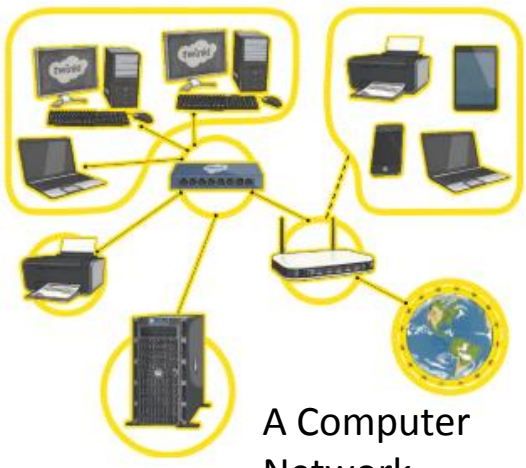
- Use technology to purposefully research for homework projects using the internet safely, refining the search and using different search engines.
- Work on a shared document with your friends outside of school, using the same website you used in your lesson.
- Create your own pretend webpage using a document (please see the diagram -→

Statutory requirements

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
- 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
- use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact
- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

Key vocabulary

Spelling	Definition
Input	**Data** that is sent to a **program** to be **processed**
Output	The result of **data processed** by a **computer**
Process	A **program**, or part of a **program**, that is running on a **computer**
Data	A letter, word, number etc. that has been collected for a purpose, but **stored** without context
Webpage	A **HTML** document viewed using a **web browser**



A Computer Network