

Computing- Year 5- Autumn Term- Searching and Sharing Information

Prior Learning: We applied our knowledge and understanding of networks, to understand the internet is a network of networks which needs to be kept secure. We learnt that the World Wide Web is part of the internet, and explored the World Wide Web in order to learn about who owns content and what we can access, add, and create. We evaluated online content to decide how honest, accurate, or reliable it is, and understand the consequences of false information.

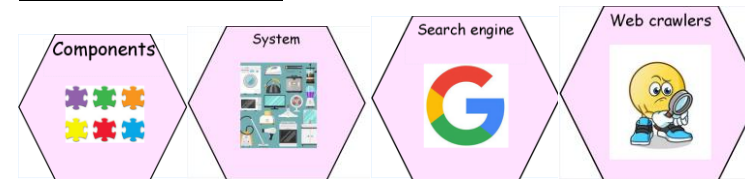
Theme: Sharing Information

Concept: Computing Systems & Networks

Hardware: Laptops, or other internet enabled devices

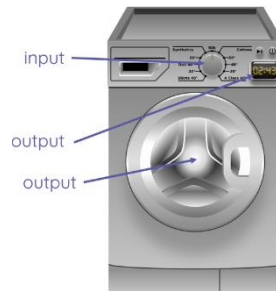
Software:

Words we will know!



1. Systems

We will be introduced to the concept of a system and begin to understand that components can work together to perform a task. We will explore how digital systems can work and learn about physical and electronic connections.



2. Computer systems and us

We will consider how larger computer systems work and see how devices and processes are connected, and reflect on how computer systems can help them.

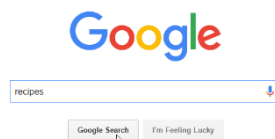


There are lots of benefits for having a computer system.

3. Searching the web

We will be introduced to a range of search engines and then given the opportunity to explain how to search, before we write and test instructions. Next, we will learn that searches do not always return the results that someone is looking for, and we need to refine our searches accordingly.

Finally, we will be introduced to the two most common methods of searching: using a search engine and using the address bar.



4. Selecting search results

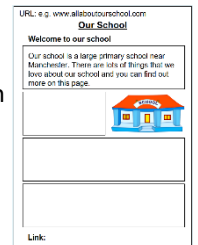
We will gain an understanding of why search engines are necessary to help us find things on the World Wide Web. We will conduct our own searches and break down, in detail, the steps needed to find things on the web. Then emulate web crawlers to create an index of our own classroom. Finally, we will consider why some searches return more results than others.



We use search engines to find out information.

5. How search results are ranked

We will take part in an unplugged activity to find out about how a webpage's content can influence where it is ranked in search results. In groups, we will create paper-based webpages on a topic that we are familiar with. Then discover how our webpages would rank when searching for keywords relating to their content.



6. How are searches influenced?

We will explore how someone performing a web search can influence the results that are returned, and how content creators can optimise their sites for searching. We will also explore some of the limitations of searching and discuss what cannot be searched.



Key words are important when trying to find something you are searching