# Searching the Computing web

Spring 2 2023

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First we recapped systems and then thought about digital systems and their inputs, processes and outcomes. We also thought about the human elements and benefits of computer systems.

It was interesting to see how all the parts needed each other because if one part is missing it probably wouldn't work.

Next we looked at what a search engine is, what they do and how you use them. We looked at how you need to be precise with what you are looking for or may end up with the wrong thing.
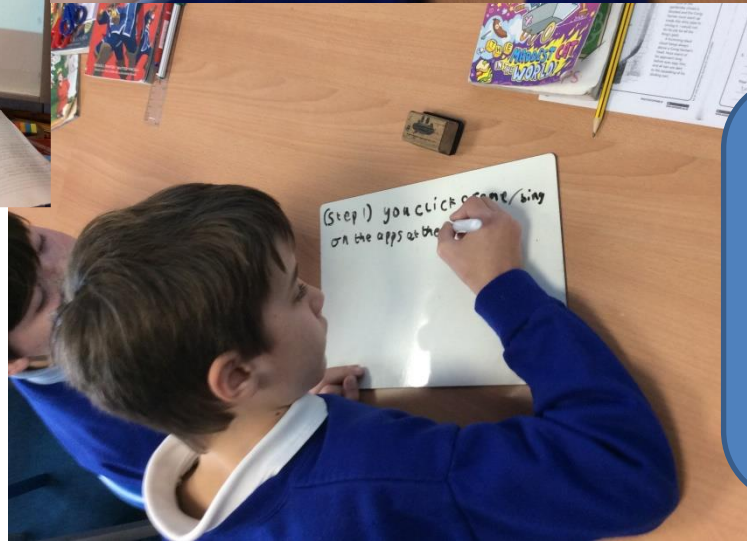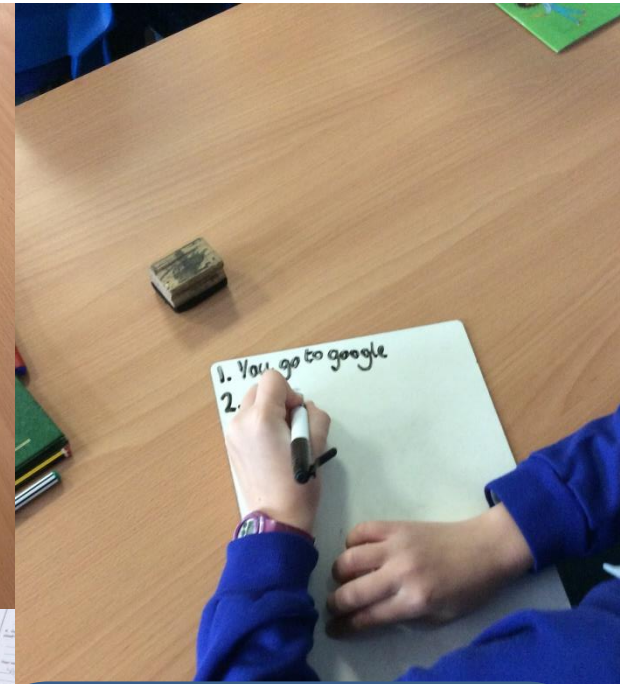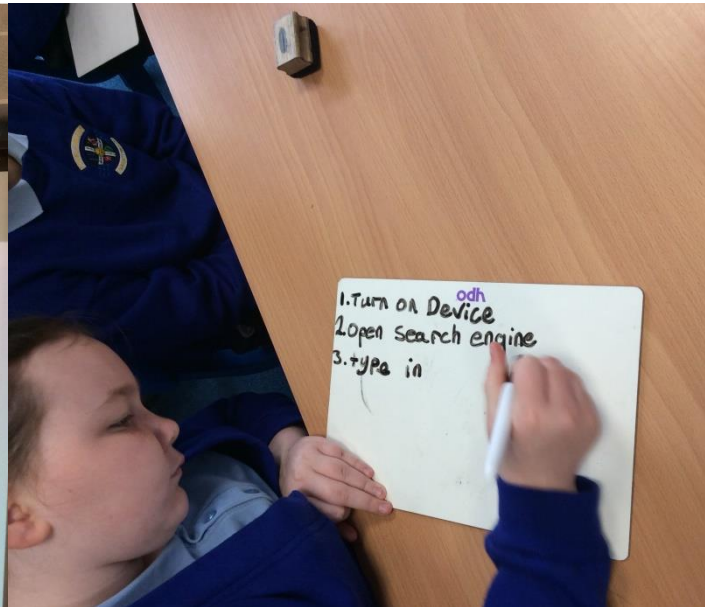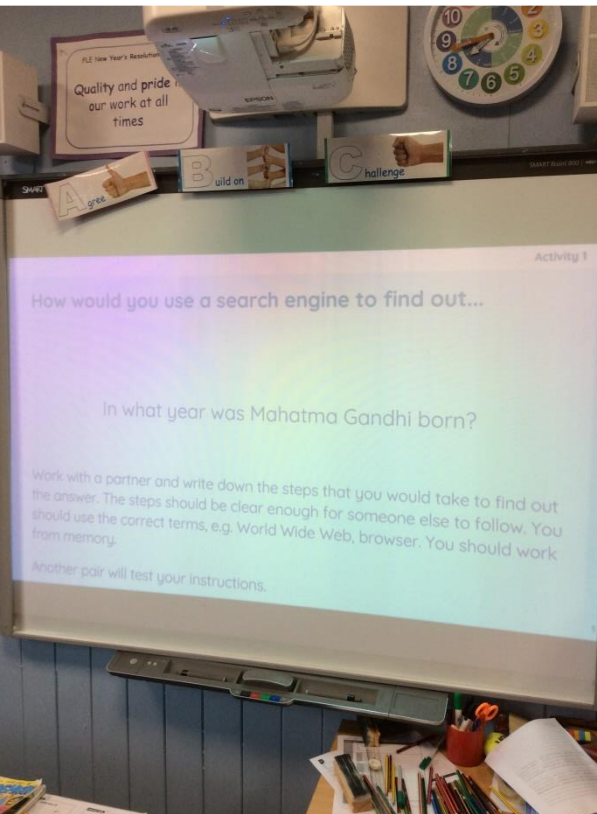
We learnt that if you are searching for a place you need to be specific and add more information to make sure for example you get rugby the place and not rugby the sport.
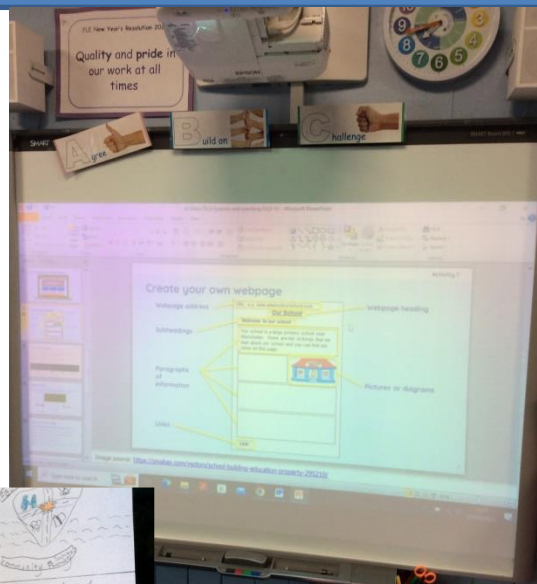
We learnt more about how search engines work and the role of web crawlers.

A web crawler goes to the different sites and creates an index of what they have.
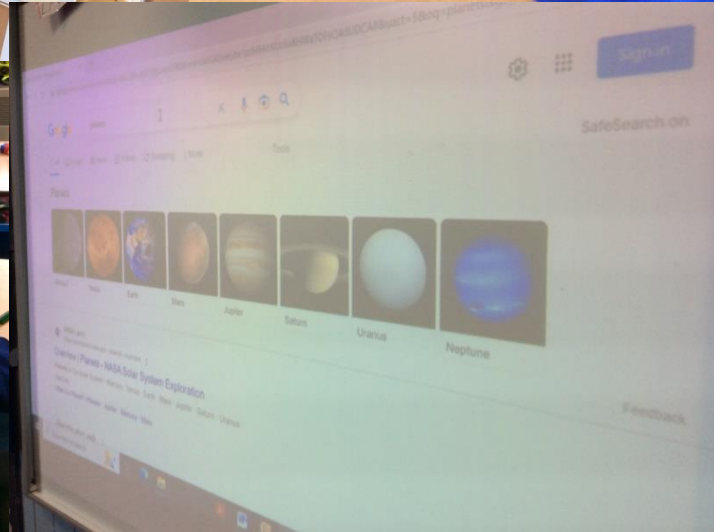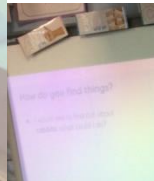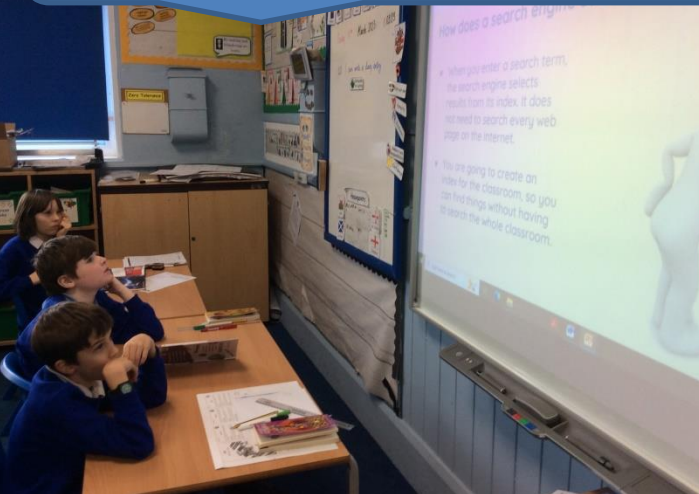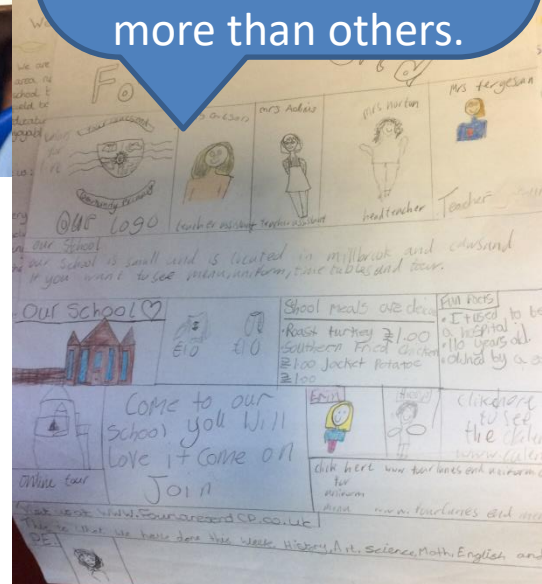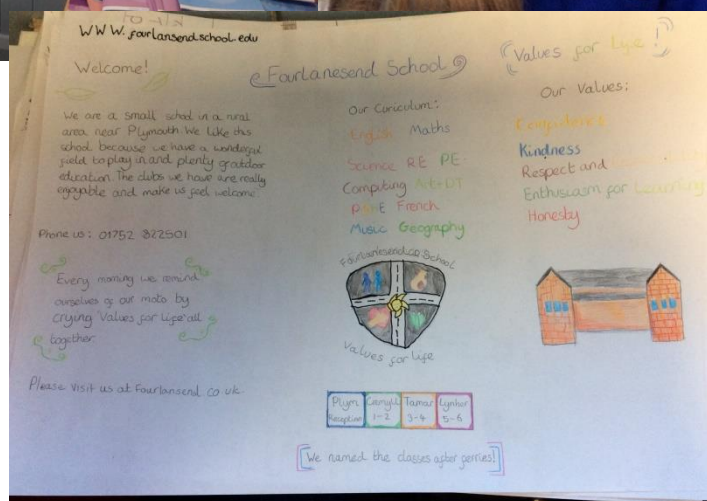
We created our own paper-based websites to help us to understand how websites are ranked when you search.

It was fun making our own website and seeing what different things were included. They were ranked according to specific things they included. Some things were worth more than others.
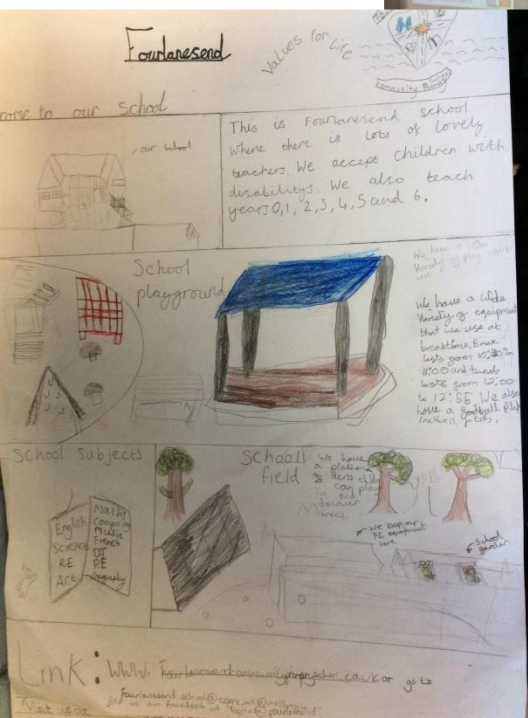
In our final lesson we looked at how searches can be influenced, the limitations there can be to searches and how they make money.
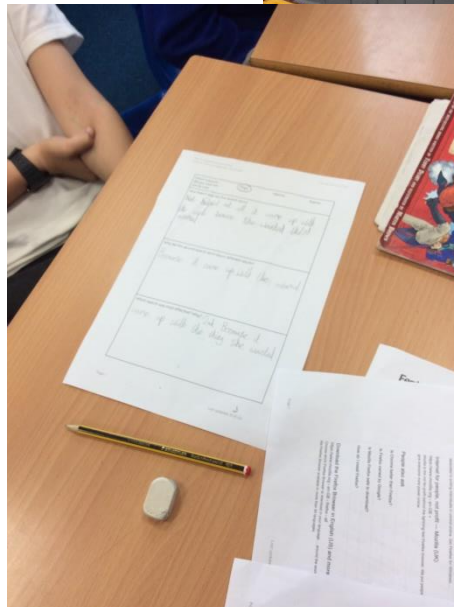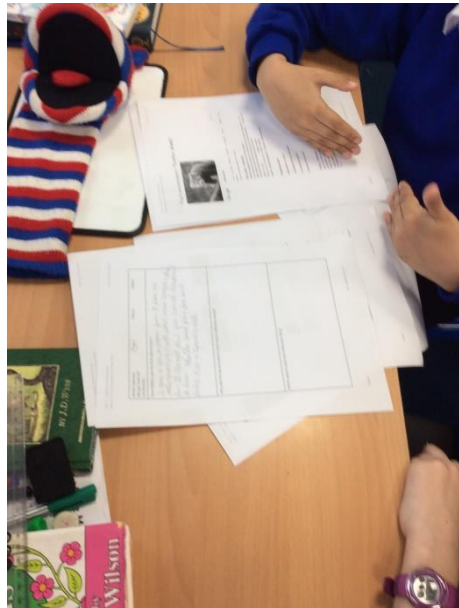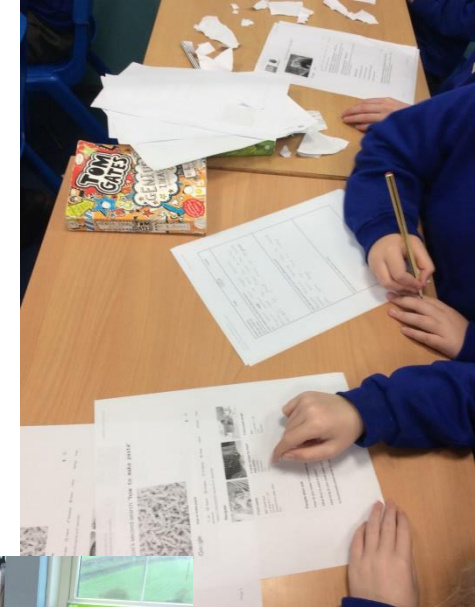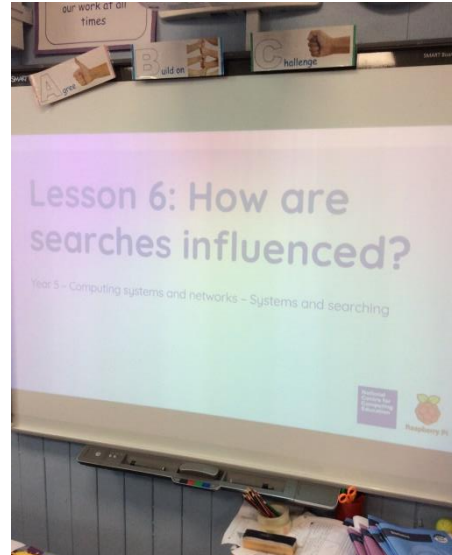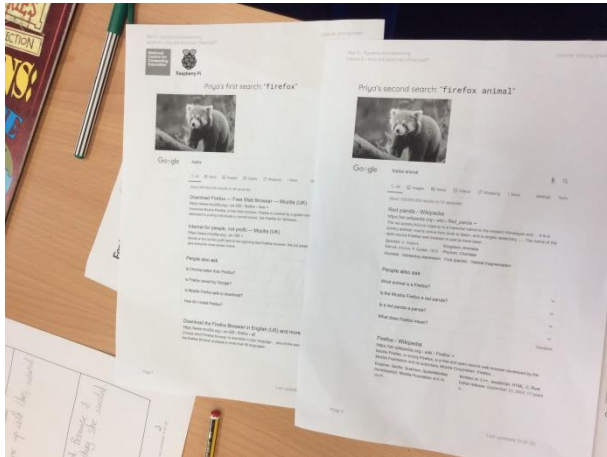
We figured out how they made money by advertisements.

Personal Development:
Children are aware of how to use the internet responsibly

Forever Facts

I know that online shopping and puffin crossings are examples of computer systems

I know that web crawlers play a role in creating an index

I know that a search engine follows rules to rank results
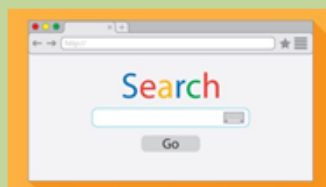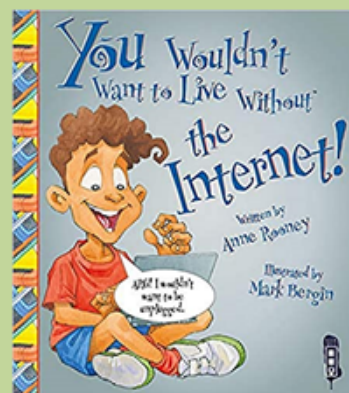
I know some of the limitations of search engines

Skills

I can use a web search to find specific information

I can refine my web search

I can order a list by rank

Exciting Books

You Wouldn't Want to Live Without the Internet!
Written by Anne Rooney
Illustrated by Mark Bergin

Our Endpoint

I know how to use search technologies effectively.

Subject Specific Vocabulary

influence	the capacity to have an effect on the character, development, or behaviour of someone or something
limitation	a restriction
search engine	a program that searches for and identifies items in a database that correspond to keywords or characters specified by the user, used especially for finding particular sites on the World Wide Web
address bar	a text box in a web browser displaying the address of the web page that is currently being viewed
hyperlink	Text or media that when clicked, takes the user to another specified location
web crawler	a program that creates an index of the world wide web
index	an alphabetical list of names, subjects, etc. with reference to the pages on which they are mentioned
rank	the place of something within a grading system
order	arrange (something) in a methodical way