LOWER KS2 COMPUTING

How do the internet and search engines work?

The global computer network called the internet is part of our everyday lives at home and at school.
It is made up of millions of computers all over the world that are digitally connected to each other by cable, fibre or wireless links.
You can use the internet to browse websites, communicate with people, download pictures and videos, listen to music or do lots of other amazing things.
Watch the video below to find out how the internet works:
https://www.bbc.co.uk/bitesize/articles/zn6vgwx

and then watch the video about Search Engines underneath on the same page.

Task One: Create a password.

Being safe online is very important. Lots of websites ask you to set up a password.

What makes a good password?

Include numbers, letters and symbols.	Use at least one capital letter.
Make it something that you will remember but others cannot guess.	Make it at least 8 characters long.
Never use obvious names or dates.	Don't share your password with friends.

Ella is 9. She goes to Longmead Primary School. She lives at 9 Brook Close. She enjoys playing football and netball. Her favourite team is Arsenal. At home she has two dogs called Charlie and Chimp.

Ella's perfect password:

Mia is 13 and attends Brixbay Secondary School in Devon. She makes jewellery and likes knitting and sewing. She likes shopping with her friends at the weekend. She has a grey cat called Pixie.

Mia's perfect password:

Amir is 10. His birthday is in March. He goes to Fairfield Junior School in Leeds. He belongs to Fairfield Athletic Club and is very good at long jump. His favourite colour is blue. He lives with his two brothers.

Amir's perfect password:

What about you? What would your perfect password look like? Follow the rules to create your own strong password. Enter it into a password checker website and see how strong your password is. Remember, don't tell anyone your idea for a password!

Task Two:

A digital footprint is a trail of 'footprints' that you leave behind you every time you go online.

Most of the websites you visit will record your visit by taking a note of your IP (Internet Protocol) address. This is a set of numbers which is unique to your computer.

Think about the ways you use the Internet. Do you visit websites? Do you message friends? Do you download music or post photographs?

Complete your digital footprint by adding all the ways you use the Internet, including what websites you visit regularly. Compare your digital footprint with your friends and family.

A foot template is on the next slide, however you could make your own by drawing around your own foot (preferably once they've been washed!!)