

What I should know already...

In year 3, children will have learned to interpret different databases. They will have created their own branching database where they could select, analyse and interpret data; evaluating how useful it was.

Key Skills

To understand that the internet can be used to search for information.	Give the children websites that they will need to search to find information for their databases on the topics you are choosing- e.g. animals, plants, places.
To select information to be used in a database	Paper databases. Ask the children to construct fields on paper. This could be done with large pieces of sugar paper or slips of paper to create a paper database so they understand how one is constructed. Can the children sort and analyse the data they have to answer questions?
To interpret data	
To use a variety of software to create a program.	Teach the children to create a database using 2investigate and J2E databases. Look at the merits of both.
To analyse and evaluate data and information.	Use pre-prepared databases to interpret and evaluate. Show the children how to use their own databases to write questions and ask others to investigate and evaluate the information. Show the children how charts, graphs and filters can be used.
To combine a variety of software for a particular purpose.	The children choose their preferred database to present the information they are given. They then use the information to answer questions about the data presented.

Hardware and software

Chromebooks
Desktops

J2E databases and Purple Mash 2 investigate.



Key Vocabulary

Data	Information that can be sorted.
Database	An application to store data fields.
Data field	A specific piece of data e.g Hair colour.
Sort	Put information into different categories.
Analyse	To look and find out what the information is telling us.
Evaluate	To say how good or bad something is and suggest improvements.
Filter	To apply set criteria to search information to find what you need.
Alphabetical	In order of the alphabet.
Numerical	In number order.
Graph	A pictorial way of showing data.

The children will:

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.

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour.

Real World

Children to choose their preferred software package to create a database for presenting data, which can be analysed and evaluated by themselves and others.



Useful websites

- <https://www.thinkuknow.co.uk/> If you want to know more about staying safe online
- www.hursthillprimaryschool.com/unify Hurst Hill unify site to access emails and applications-J2E
- www.hursthillprimaryschool.com The school website
- <https://www.purplemash.com/login/> Purple mash login– look up the schools log in page using the post code WV14 9AJ

Online safety

- I understand and can give reasons why passwords are important.
- I can describe simple strategies for creating and keeping passwords private.
- I can describe how connected devices can collect and share my information with others
- I can explain why copying someone else's work from the internet without permission can cause problems.
- I can give examples of what those problems might be.