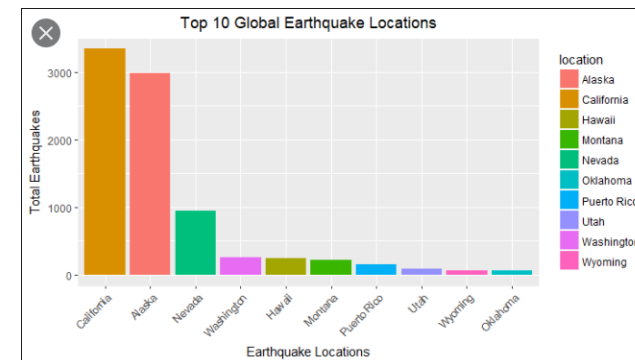| Spring 2	Lostwithiel Primary School	Year 3
Digital Literacy-Data Handling	Computing Knowledge Organiser	Beech Tree Class

Prior Learning:

In Year Two, the children will be taught to use technology purposefully to create, organise, store, manipulate and retrieve digital content. They will have used J2E data software to input simple data to create tables and bar charts.

Key Computing Knowledge:

- How to design a questionnaire by adding fields, to collect data, based on a country in South America or the UK.
- How to enter numerical data and text into a database (e.g. population, number of earthquakes, Richter scale measurements).
- How to produce graphs and charts using a database.
- How to decide which type of graph would display their information best.
- To make conclusions from results, such as deciding which country is most at risk from earthquakes and why.
- Know that data is content and information is the meaning of that content.
- Know how to search and filter results from an online database (British Geological Society database)
- Develop strategies for finding the most appropriate information i.e. site choice, key words, choice of filters

Top 10 Global Earthquake Locations

E-Safety Learning Opportunity:

The children will be reminded that there are filters in school which will block inappropriate websites. They will be taught that personal information can be stored in a database which will then be used to target individuals, usually with advertising. They will be taught some basic guideloines for staying safe whilst using the internet at home as well, such as not sharing personal information or sharing parents, siblings and friends personal information.

Software/Hardware Resources	Key Computing Vocabulary	
✓ iPads ✓ laptops ✓ J2E data ✓ https://www.bbc.com/ownit/the-basics/it-starts-with-us?collection=staying-safe ✓ https://earthquakes.bgs.ac.uk/index.html ✓ https://www.bbc.co.uk/bitesize/topics/_zf2f9j6/_articles/z8yk87h	data	This is the term for facts or statistics gathered together for reference or analysis.
	database	A structured set of data held in a computer that is accessible in various ways.
	statistics	The analysis of numerical data to show trends and patterns, such as 50 % of the population have experiecned an earthquake.
	graph	A diagram showing the relationship between variabes, such as date and frequency of earthquakes.
	search	To look through a database to find specific infromation.
	filter	These can be applied to a search to refine it. A filter will take out any information that is not included in the keywords of a search.
	conclusion	This is a judgement, decision or answer that has been reached through systamatic research and reasoning through the results in a logical way.
	Prt Scr	When pressed alongside shift it will take a shot of the image on screen at the time.
	Snipping Tool	A tool used to capture a screen image and paste into an alternative document.
	field	A place for a piece of information the be entered within a database.

Computing Outcomes	Cross Curricular Links
The children will generate a questionnaire to research which countries in South America and the UK are most at risk of earthquakes. They will enter this information into the J2E programme to generate graphs and charts. These will be compared, discussed and the class will decide which country is most at risk of earthquakes.	English: Writing questionnaires. Maths: White Rose scheme of work on Statistics. Science: Interpreting and analysing results in a logical way. Geography: Natural disasters, earthquakes and tectonic plate fault lines.

Linked documents: Class Overview, Computing Whole School Progression document and Class Medium Term Planning.