

Data and Information

Construction

Prior Knowledge

Year 1 & 2 – Use technology purposefully to create, organise, store, manipulate and retrieve digital content.

Year 3 – Select, use, and combine a variety of software.

Year 4 – 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.

Future Knowledge

Year 6 - identify questions which can be answered using data.

Explain that objects can be described using data.



My Component Knowledge:

Lesson 1: I can create a paper-based database.

Lesson 2: I can explain what a field and record is in a database.

Lesson 3: I can group information to answer specific questions.

Lesson 4: I can choose which field and value are required to answer a given question.

Lesson 5: I can compare data visually through charts.

Lesson 6: I can ask questions that will need more than one field in a real-world context.

My Composite Knowledge:

I can use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.

My Powerful Knowledge:

I can 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.

Key Vocabulary

Tier 1:

database, search, data, information, field, compare, chart.

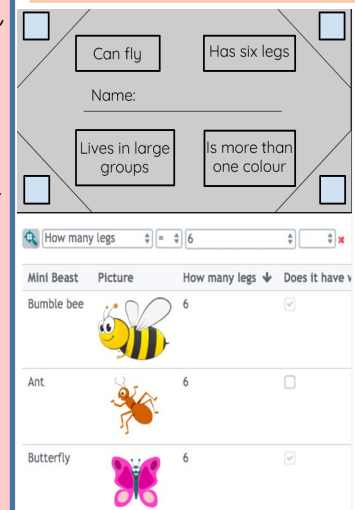
Tier 2:

filter, value, record, sort, group, graph, order.

Tier 3:

presentation, axis, criteria.

Country Name	Area (km ²)	Population ↑	Language
Mexico	256,897	56956	Spanish
Hong Kong	1,104	7234800	Chinese
Switzerland	41,285	8211700	German
Austria	83,879	8800000	German



What is data?

How is data stored and sorted?

How does a database work?