

Information

Certain process and steps need to take place so data becomes meaningful information that can be interpreted by humans. Processes include gathering and evaluating data then visualising data to interpret it. Gathering and evaluating data is based on:

- *Acquiring*: collecting the right data to interpret.
- *Storing*: storing data to ensure easy access.
- *Validating*: ensuring the accurate data is collected to ensure the user can make the right assumptions.

Data can be categorised as qualitative or quantitative data. Qualitative data is descriptive data that focuses on qualities of the data. Quantitative data refers to numerical data, this may include percentages or numerical data.

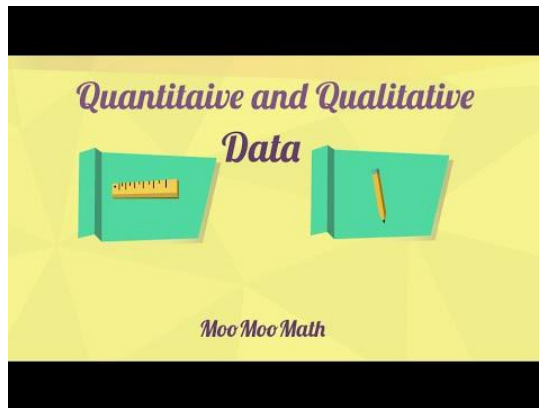
Curriculum Expectation

Students will follow the process of acquiring, storing and validating data. Software programs will be used to assist the process. Students need to ensure they adhere to privacy regulations and privacy policies when collecting data.

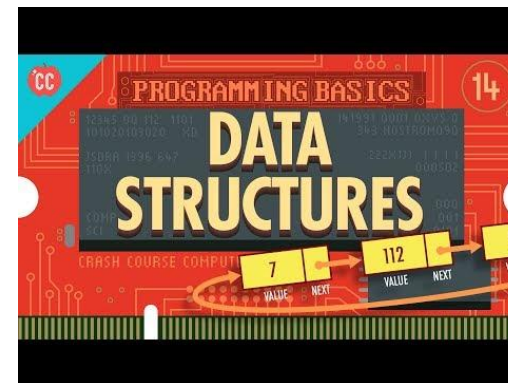
Video Resources

Click the images to open the file

These videos explain the difference between types of data and the purpose of structuring data so it is accessible and readable.



Video Source: MooMoo Math and Science



Video Source: CrashCourse

DATA

Acquire and analyse data based on criteria and requirements



ACQUIRING DATA

ANALYSING DATA

Evaluate the quality of the data based on:

Analyse and visual data

Acquire, store and validate

Structured data enables grouping of data to make it manageable

Types of Data

Aa

Qualitative Data
Descriptive data



Quantitative Data
Numerical data