

Information

Certain processes and steps need to take place so data becomes meaningful information. Processes include gathering and evaluating data then visualising data to interpret it. Gathering and evaluating data is based on:

- *Authenticity*: ensuring the presented data is reliable, the source is reliable and the information presented is correct.
- *Accuracy*: ensuring the data collected is accurate and correct.
- *Timeliness*: ensuring the data is current and up to date.

Analysing and visualising data is imperative to enable the transformation of raw data into useful information for humans. Software programs allow users to turn data into human readable information. Structured data allows users to collect data in meaningful structures into order to be easily interpreted (this can be through using a spreadsheet).

Curriculum Expectation

Students will gather data from multiple sources and ensure the data is valid on authenticity, accuracy and timeliness. Students will use different software programs to structure data to create information.

Video Resource

Click the image to open the video

This video defines structured and unstructured data and explains how structure data is manipulated.



Video Source: Computer Science Research Group (CSER)

DATA

Acquire & analyse data based on criteria and requirements



ACQUIRING DATA

Gather data from different sources.

Evaluate the quality of the data based on:
Authenticity,
accuracy, timeliness

ANALYSING DATA

Present the data in a meaningful way to interpret

Use different software programs to visual the data to create information.