Information

Data is the representation of information to find patterns and make conclusions. Data can be presented as pictures, symbols or diagrams. In digital systems, data is presented as a sequence of numbers made up of 0 and 1s (binary code). When images, sounds, text or videos are stored on a digital system, these files are types of data. Data can be stored, communicated or manipulated. Digital systems can be used to collect, access and present data.

Curriculum Expectation

Students will investigate the different representations of data. This will include data they collect themselves, not just data found in digital systems. Student will use digital technology to represent their data.

Video Resource

Click the image to open the video
This video explains how digital systems process, represent and transmit data.
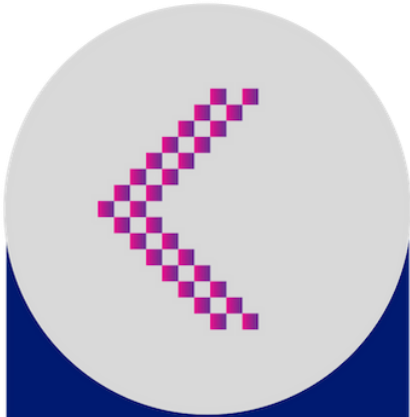

Video Source: Computer Science Education Resource (CSER)

DATA

Data is the representation of information

In digital systems, data can be in the form of:

Pixels to represent images

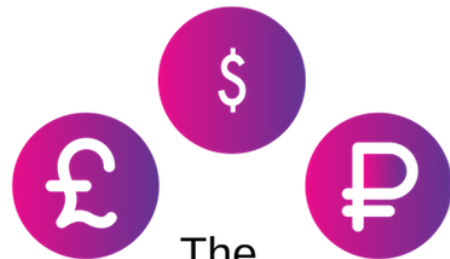**Characters and symbols represented by binary code (0 & 1s)**

Waves to represent sound

Data can be represented in different ways

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The representations of digital data

The representations of money