

USER INTERFACE

Levels 5-6



Information

User interface refers to how the user will interact with the digital system's hardware and software. User interface is a vital component when designing a digital system to ensure the user has a positive interaction. The functions need to be consistent and ensure they are appropriate for the target users.

Users will interact with the software and hardware. Interacting with the software may include writing in a text box, moving an object on the screen or opening a link after it has been clicked. It is important to ensure these functions complete the desired task and are consistent. Hardware interactions include interacting with physical components of a digital system this can include: turning the power on to start a digital system, clicking a physical button to get a light bulb to turn on.

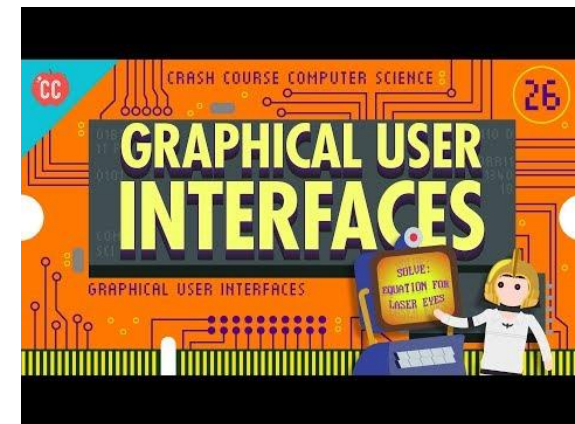
Curriculum Expectation

When students are creating digital solutions for a product they need to ensure the needs of the user is met. Students will consider how words, colours layout and functions built within the digital solution will best benefit the user.

Video Resource

Click the image to open the file

This video explains the history and development of graphical user interface.



Video Source: Crash Course Computing

USER INTERFACE

Creating digital solutions

Hardware
Functions to make things move, turn on eg: light bulb turning on

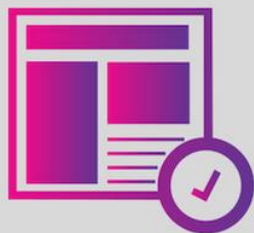


Software
Functions to ensure the field does the required task

Users

Ensure the design has been created with the needs defined

Recognise and understand how digital solutions are created a for a purpose and for a user.



Visual design, consistency, fonts, layout, colours and images



Ensure it works, is clear for the user, completes the required tasks