Computer Systems

A unit exploring topics including:

- How a basic computer system works (input, process output)
- The most commonly used hardware peripherals,
- Storage capacities (bits, bytes, kilobytes, megabytes, gigabytes, terabytes),
- RAM and ROM,
- Operating systems,
- Processor and binary (including converting from decimal to binary and vice versa).

Outcome	Description	Comments
TCH 3-03A	I can explore and use the features of a variety of familiar and unfamiliar software to determine the most appropriate to solve problems or issues	Word used to answer task questions. Audacity for exploring audio editing. HotPotatoes to make interactive quizzes. Use of Web Browser and search engine.
TCH 4-04a	Throughout my learning, I can make effective use of a computer system to process and organize information.	Pupils have a copy of the notes to add their answers to: basically an electronic workbook. Search engine (Google) used to find the answers to some of the questions.
TCH-408c	I can integrate different media to create a digital solution which allows interaction and collaboration with others.	Pupils make up electronic interactive quizzes which can be viewed by others.
TCH-4-08d	Through research, I can gain knowledge of computer systems or emerging technologies to understand their differing features and consider their suitability for the world of work.	Doing research on hardware throughout the unit. Research using notes, and search engine.
LIT 4-14a	Using what I know about the features of different types of texts, I can find, select, sort, summarise, link and use information from different sources.	Students use text in electronic booklet. They also have researched for themselves on the web.
LIT 4-13a	Before and as I read, I can apply strategies and use resources independently to help me read a wide variety of texts and/or find the information I need.	Students encouraged to read the relevant sections in the electronic booklet.

Web Design

A unit exploring topics including:

Website hosting,
URLs,
Web page structure,
Basic tags,
Web site layouts.

Outcome	Description	Comments
TCH 3-03A	I can explore and use the features of a variety of familiar and unfamiliar software to determine the most appropriate to solve problems or issues	Word used to answer task questions. Use of Web Browser and search engine. Use of Text Editor (Notepad++) to enter HTML code. Browser use to see the web pages that the students have created.
TCH 4-04a	Throughout my learning, I can make effective use of a computer system to process and organize information.	Pupils have a copy of the web design notes to add their answers to. Search engine (Google) used to find the answers to some of the questions. Pupils need to be careful where to save their web pages to.
TCH-408c	I can integrate different media to create a digital solution which allows interaction and collaboration with others.	Pupils will make up a website that will include text and graphics.
TCH-4-08d	Through research, I can gain knowledge of computer systems or emerging technologies to understand their differing features and consider their suitability for the world of work.	Doing research on HTML throughout the unit. Research using notes and search engine.
LIT 4-14a	Using what I know about the features of different types of texts, I can find, select, sort, summarise, link and use information from different sources.	Students use text in electronic booklet. They also have researched for themselves on the web.

LIT 4-13a	Before and as I read, I can apply strategies and use resources independently to help me read a wide variety of texts and/or find the information I need.	Students encouraged to read the relevant sections in the electronic booklet.