ICT FD ▾

Congratulations on your GCSE successes and welcome to your post-16 studies at All Saints!

At this significant moment in your education, you have selected to study courses that reflect your own unique gifts, talents, interests and future goals.

So let's get started! These tasks are designed to introduce you to some concepts that you will be exploring over the year ahead as well as giving you the opportunity to demonstrate your commitment and sincere interest in this subject.

We look forward to seeing your preparation work and welcoming you to our department in September.

Deadline for submission	Monday 2nd September 2024	
Where to submit work	Internal students:	External students:
	Please select ▾	*dtaune@allsaintsschool.co.uk* *mmande@allsaintsschool.co.uk*

Choose **TWO** tasks to complete from the following list:

Week	Task / question	Links to help you	Notes
1	**Research** Research different storage devices focusing on the storage capacity, their workings and their characteristics: durability, reliability, portability. Describe the type of technology used (magnetic, optical or flash memory)	https://www.csnewbs.com/ctech-1-2-computer-components	

2	**Create a** revision resource using a digital format of your choice (report as a Word document, newsletter using Publisher or a presentation using a Power Point) to **summarise your findings.**		
3	**Reflect** Compare and contrast Hard Disk Drives, Solid Sate Drives and Magnetic tapes using their characteristics above. **Organise the information in an easy to read table.**		
4	**Watch** Teach ICT videos to familiarise yourself with the topics from Unit 1 Fundamentals of IT	https://teach-ict.com/2016/videos/videos.html username: RM81JT password: binary4	

Keywords and definitions:

You will need to be familiar with the following keywords in term 1.

Keyword	Definition & Use of keyword within context
Peripheral device	A component or an equipment, such as a printer that expands a computer's input, output or storage capabilities.

Volatile	Used to describe memory content that is lost when the power is switched off or interrupted.
Hard disk	Storage devices which are usually mounted inside the computer system unit and can store billions of characters of data.
Motherboard	Circuit board that contains all of the computer system's main components
System Unit	Case that holds the power supply, storage devices, and the circuit boards(including the motherboard)
Source Code	Written by programmers in a high or low level programming language, which is converted into a list of instructions for the computer
Application Software	Any program, or group of programs, that is designed for the end user. It includes software such as database programs, word processors, web browsers and spreadsheets.
Embedded Software	Software that is embedded in hardware devices that are not typically thought of as computers. It is written to perform a specific function.
System Software	Type of computer program that is designed to run a computer's hardware and application programs.
Utility Software	Designed to support the computer infrastructure by helping to analyse, configure, optimise or maintain a computer.