



SUMMER BRIDGING WORK 2023

Summer Bridging Work is an important part of your transition to Wilberforce Sixth Form College. This piece of work will count towards your effort grade. Please complete your summer bridging work in time for the start of term.

You are required to present evidence electronically and submit this to your subject teacher during your first lesson.

INFORMATION TECHNOLOGY

OVERVIEW OF SUBJECT

Your new BTEC qualification takes a unit-by-unit approach to provide you with practical, work-related knowledge. Some of the units you will study will be assessed by your teachers and some by the exam board. This is a full-time course and over two years you will complete a number of units linked to ICT.

The boom in digital marketing has resulted in the need for many more website developers and experts in social media, web and mobile applications. If you are interested in a career in this area and want to develop your skills around how businesses reach their customer base via web and social apps, this course is for you.

Many Software Developers, Database Experts and Systems Managers need web-client development skills as an integral part of their overall portfolio of expertise.

This qualification will prepare you for progressing on to a degree or directly into employment, giving you a starting point for progression to roles such as social media specialist, content developer and web developer as well as a wide variety of apprenticeships.

Social media strategies

- Scripting using HTML, CSS and JavaScript
- Web development
- Databases: the structure of data and its origins
- The relationship between hardware and software
- The use and impact of IT systems
- Website production

You will discover how social media can be used in a business context, exploring different social media websites and their effectiveness. You'll develop and implement a social media strategy, developing and posting content and interacting with others

As a website developer, you must use sophisticated techniques to capture user interest and satisfy customers.

You will review existing websites, commenting on their overall design effectiveness.

You will explore the relationships between the hardware and software that form an IT system, and the way that systems work individually and together, as well as the relationship between the user and the system.

You will examine issues related to the use of IT systems and the impact that have on organisations and individuals.

ENTRY CRITERIA

A minimum GCSE average of 5.0 and grade 3 in GCSE English Language.

TASK 1 – LITERACY TASK:

A medium sized further education college requires new infrastructure for 3 PC rooms. 2 PC rooms will be used for standard office-based coursework with one PC room being for Computer Aided Design. The rooms will need to be appropriately networked and have access to a printer and a router and switch.

Your task is to research the hardware and software required to implement these rooms.

You will need to justify to the business manager your choices.

TASK 2 – NUMERACY TASK

As an extension of the Literacy Task above, produce an itemised breakdown of the costings of each item of computer hardware.

How much money will you spend on each item of hardware. How many pcs/rooms do you have to equip?

For this task, you have been allocated a budget of £5,000.

As part of this task, you are also required to JUSTIFY your spending choices.

TASK 3 – PROGRESSION OPPORTUNITIES

Below we have listed four careers linked to Information Technology:

Website Designer
Games Developer
Cybersecurity Specialist
Database Administrator

You are tasked to research the four careers, choose one that most appeals to you and write a 200-word essay as to why you feel this career would be most suited to you.

PLEASE COMPLETE ALL THREE OF THE ABOVE TASKS AND SUBMIT YOUR ANSWER HERE:

<https://tinyurl.com/3ru24y4v>

If you have any queries regarding your Summer Bridging Work, please contact me via email DJH@wilberforce.ac.uk
I will aim to respond before your enrolment appointment.

Kind regards

Mr. David Hastings
Faculty Head for Digital, Engineering and Sport