



SUMMER BRIDGING WORK 2026

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

The AAQ in ICT is a cutting-edge qualification designed to equip students with the technical skills, problem-solving abilities, and digital expertise needed for a successful career in the rapidly evolving IT industry. This full-time course offers a blend of practical experience and theoretical knowledge, ensuring you develop the skills employers and universities are looking for.

You will explore a wide range of IT applications, from cybersecurity and networking to software development and data analysis. Whether you're interested in digital business, IT support, programming, or web development, this course provides a strong foundation for your future in technology.

What will you learn?

Throughout the course, you will study key IT principles and digital technologies, including:

- **Networking and Cybersecurity** – Learn how IT systems communicate, and explore how to protect networks from cyber threats.
- **Software & App Development** – Gain hands-on experience in coding and programming languages used in the industry.
- **Database Management & Data Analysis** – Understand how businesses use data for decision-making and develop database solutions.

- **IT Support & Troubleshooting** – Learn how to maintain and repair IT systems, a crucial skill in today's digital world.
- **Web Development & Digital Marketing** – Create websites and explore how businesses use digital tools for growth.
- **Cloud Computing & Emerging Technologies** – Stay ahead of the curve by exploring the latest innovations in IT.

You'll develop practical skills through a mix of classroom learning, real-world projects, and hands-on workshops, ensuring you're workplace-ready by the time you complete the course.

This course is ideal for students who:

- Have a strong interest in technology, problem-solving, and digital innovation.
- Want to develop IT skills for a career in the tech industry or progress to higher education.
- Enjoy practical, hands-on learning and real-world applications of ICT.
- Are interested in cybersecurity, networking, programming, or IT support.

ENTRY CRITERIA

You must have a minimum of five GCSEs grades 9-4, including English Language and Maths.

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