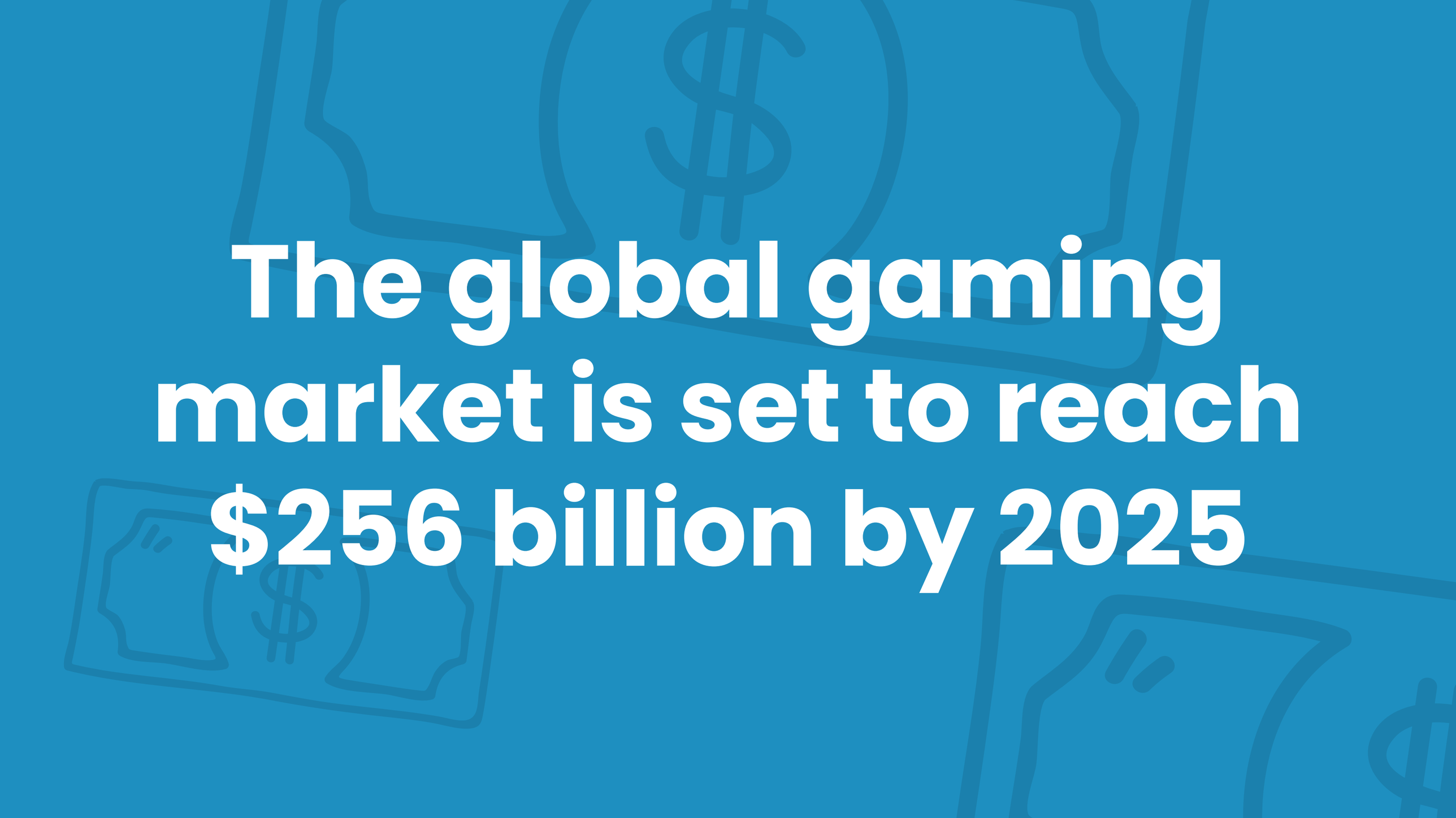
Did you know...

Some of the world's richest people including Jeff Bezos, Mark Zuckerberg, Larry Ellison, Larry Page and Sergey Brin studied computer science

The digital jobs sector is growing twice as fast as the economy as a whole

By the time you graduate from university it is predicted there will be more digital jobs than graduates to fill them

Many of the jobs you will apply for after university haven't been invented yet


The global gaming market is set to reach $256 billion by 2025

What will I learn?

Computer systems

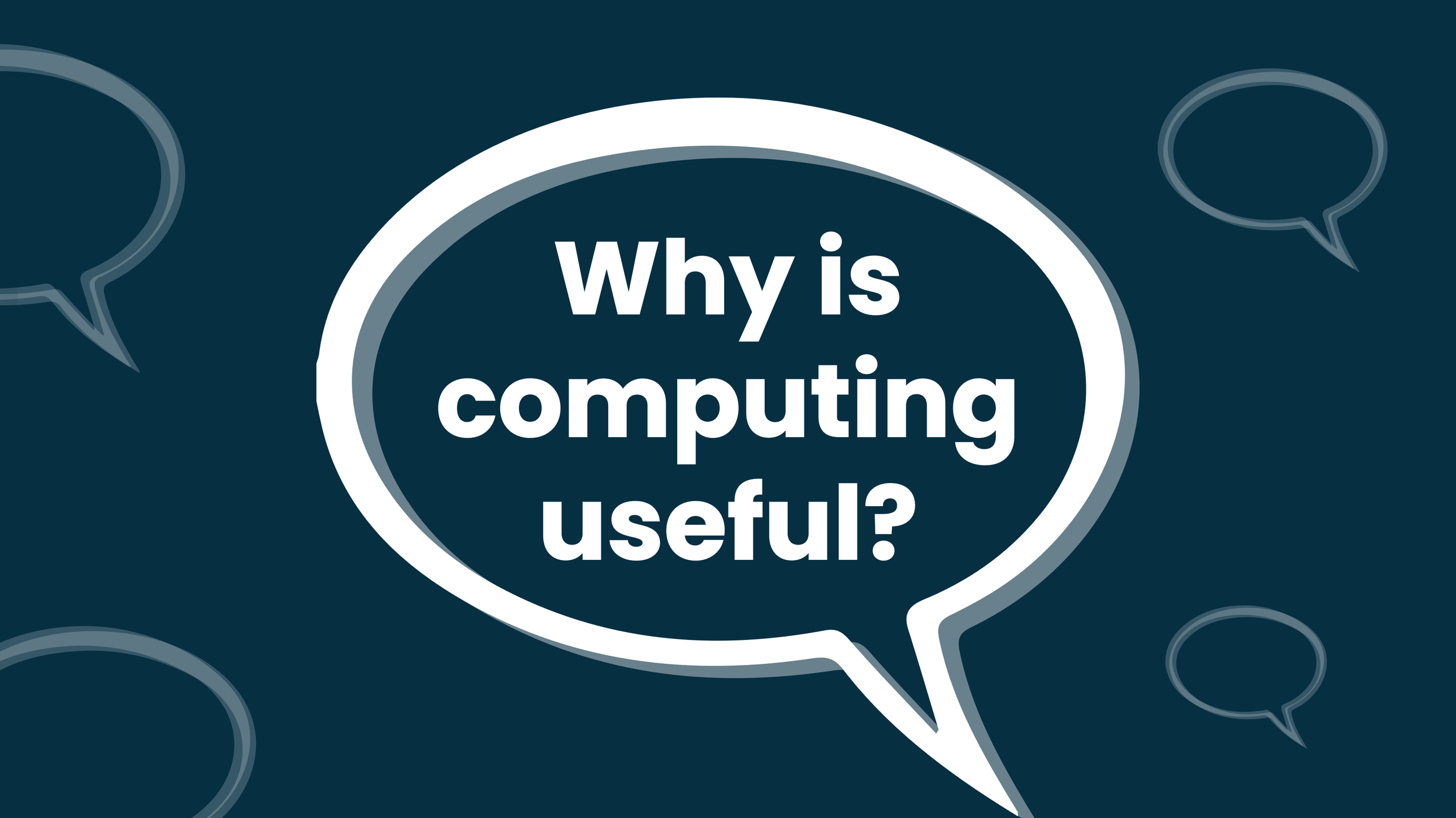
Processors , computer memory and storage, modern network layouts, cyber security, software used within computer systems and how computing affects ethical, legal, cultural and environmental issues

Computational thinking, algorithms and programming

Fundamental algorithms, programming techniques, programs through diagrams, test programs and make them resistant to misuse, Boolean algebra and how we store data within computers in binary form

Practical programming

Students will spend time completing practical programming tasks and solve problems using principles of computer science. Students will draw upon the skills that they have learned during their exams


Why is computing useful?

Develops transferable technical skills

Develops problem solving abilities

Learn about underlying programming techniques that can be transferred to many other languages

Understanding how computers work and the roles of different hardware components in computer systems and networking

How will I be assessed?

Exam – 100%

How is the course graded?

All work is graded 9 – 1. Students are entered for the foundation tier (Grades 1 – 5) or the higher tier (Grades 4 – 9)

What could come next?

A level computer science

Possible careers

Programmer, systems analyst, ethical hacker, games programmer, database administrator, web developer, cyber security analyst and many more!

What our students say...

“GCSE computer science is amazing for those who are looking to further their critical thinking and technological skills – it prepares you not only for a career in technology but also provides you with vital skills that you will carry on throughout the rest of your working life regardless of what path you choose.” Dylan (Year 13)

"Skills picked up through GCSE computer science such as critical thinking, problem solving, programming and technical knowledge will be vital moving into the future. These skills can be used for working on personal projects and hobbies or for work and helping others. Critical thinking and problem solving also translate well into other subjects such as maths and science where these skills are essential." Patrick (Year 13)