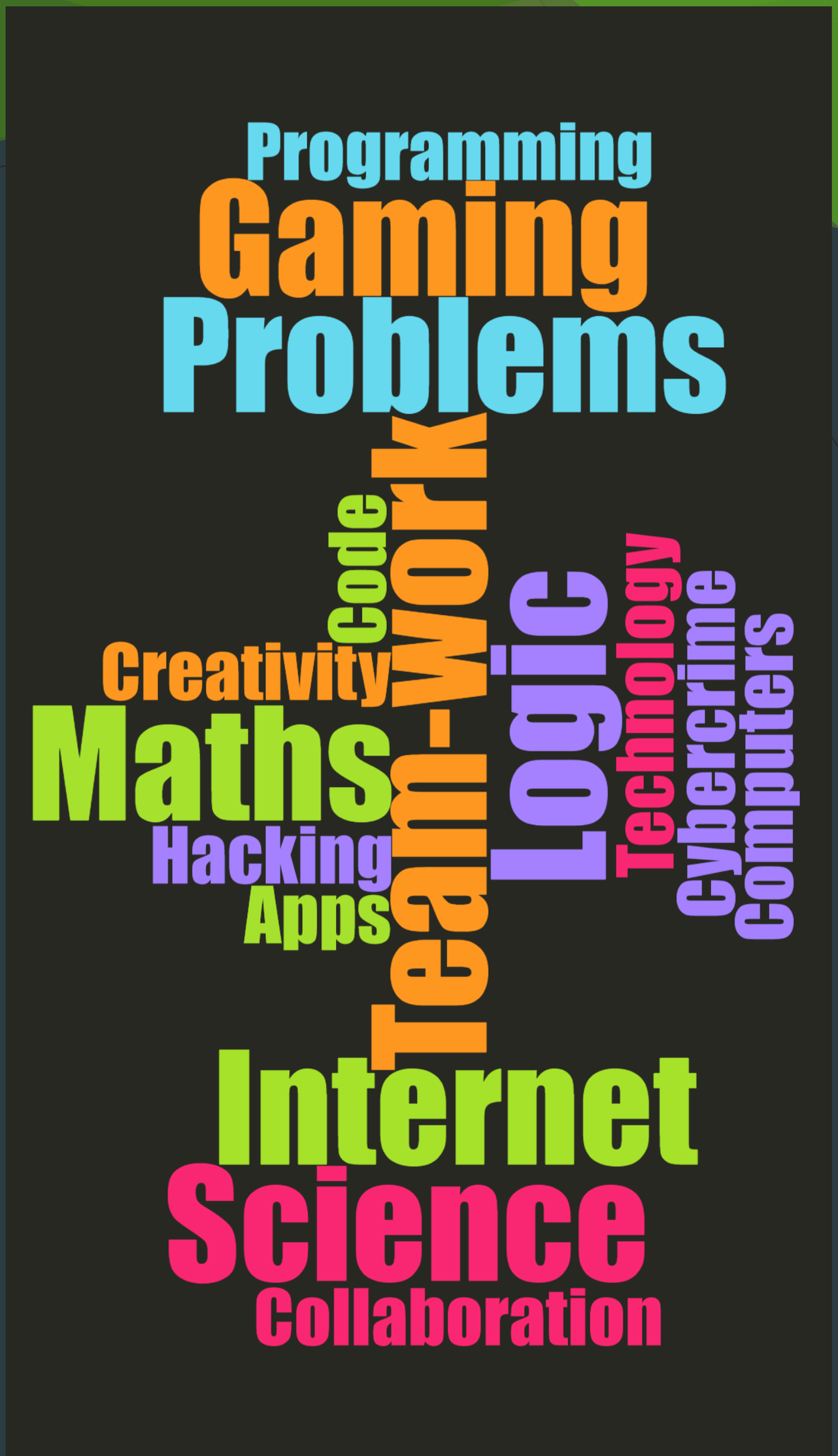
What would it be like to have a career that is at the heart of next-generation gaming?

Could you be at the forefront of developments in Big Data, the analysis of social media data and the ability to respond at record speed to emerging consumer trends?

A Level Computer Science

Opening doors to extraordinary possibilities

When someone says, **“Computer Science”** what do you think of?


Programming
Gaming
Problems
Code
Work
Logic
Technology
Cybercrime
Computers
Creativity
Team-Work
Maths
Hacking
Apps
Internet
Science
Collaboration

Growth in IT professional and Computing jobs in the UK

(Data from Office for National Statistics: https://www.ons.gov.uk)

Growth in this sector is predicted to continue to grow!

Did you know the computer games industry is bigger than the film and music industries combined?

es

Skills in Computer Science can offer you an incredible wide range of jobs!

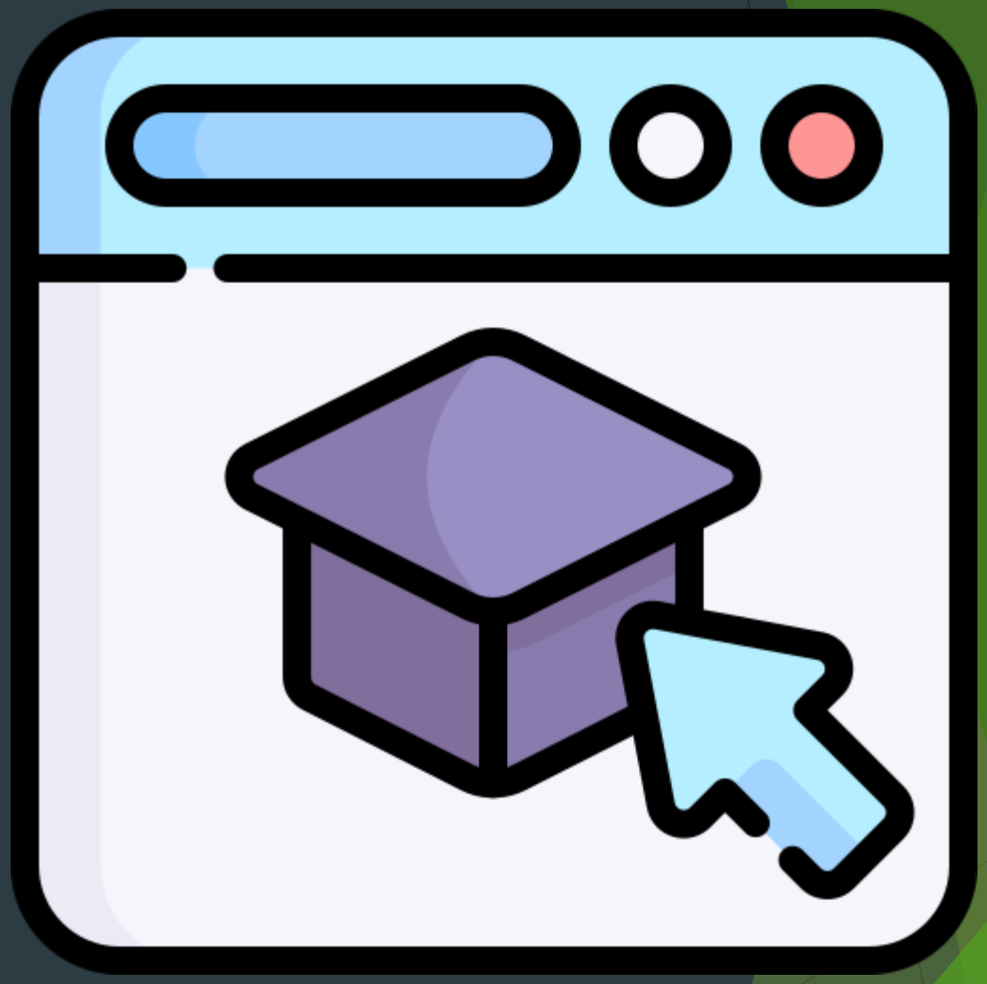
There are almost no job sectors which don't make use of skills related to:

- Information Technology
- Computer Science


Gaming
Research
Films
Tourism
Finance
Banking
Law
Agriculture
Advertising
Government
Environment
Healthcare
Retail
Defence
Manufacturing
Cyber-security
Consulting
Marketing
Medicine

What does the course cover?

- Internal computer components
- Cyber security
- Data representation
- Effect of digital technology on society
- Programming
- Networking and the Internet
- Software development



Course Breakdown

	Component 1: Computer systems	Component 2: Computational thinking, algorithms and programming	Practical programming experience
How is it assessed	Written exam 2 hour 30 minutes	Written exam 2 hour 30 minutes	Marked by your teacher and moderated by OCR.
How much is it worth	140 marks Worth 40%	140 marks Worth 40%	70 marks Worth 20%
Other information	A series of short-answer and extended-answer questions.	A series of short-answer and extended-answer questions.	Assesses student's ability to use the knowledge and skills gained through the course to solve or investigate a practical problem.

Where our students go?

- Computer Science – University of Lancaster
- Maths – University of Leicester
- Computer Science – Nottingham Trent University
- Photography – Bournemouth University
- Product Design – Coventry University
- Computer Science –Loughborough University

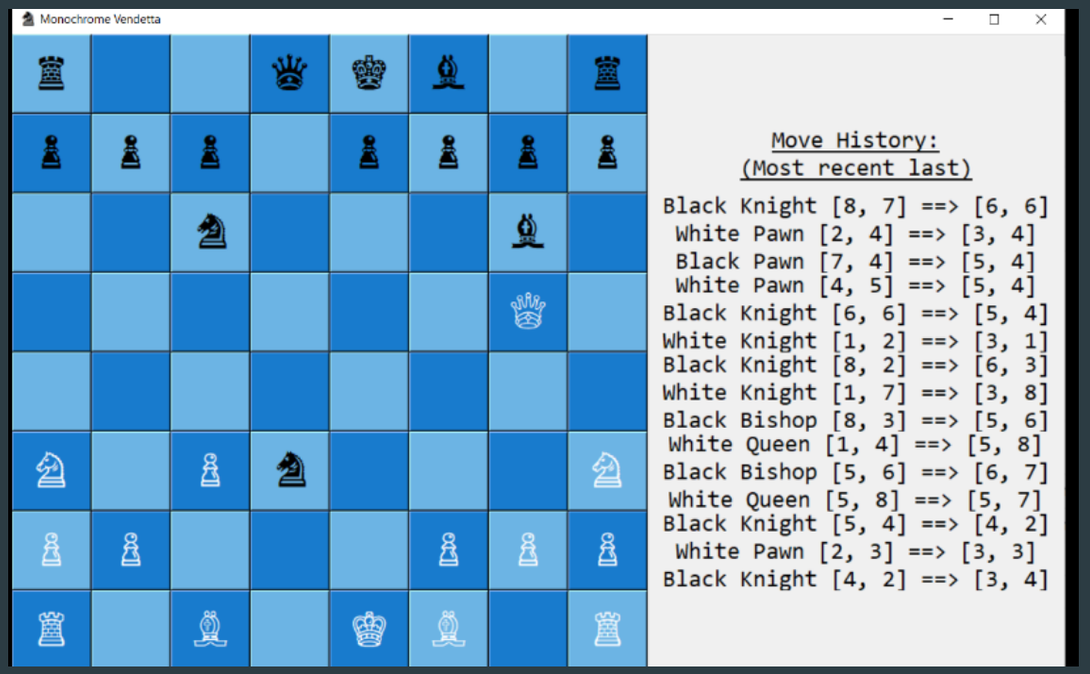
Student Voice

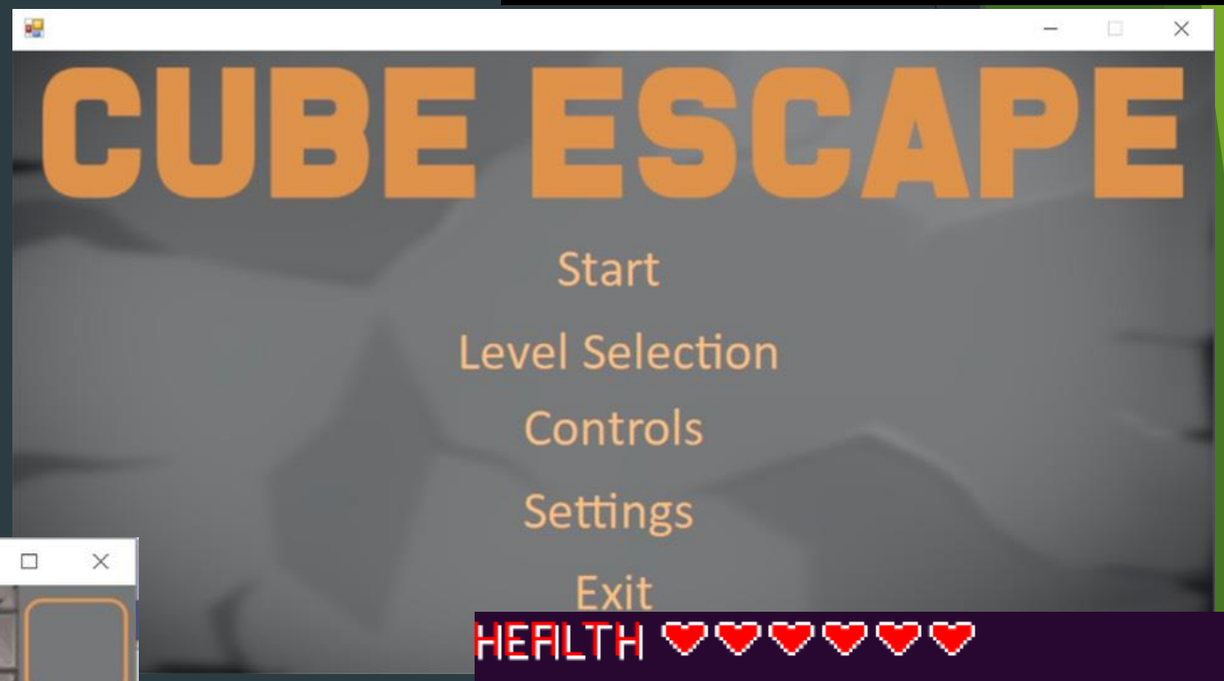
“ I enjoyed the opportunity of developing a game for my project”

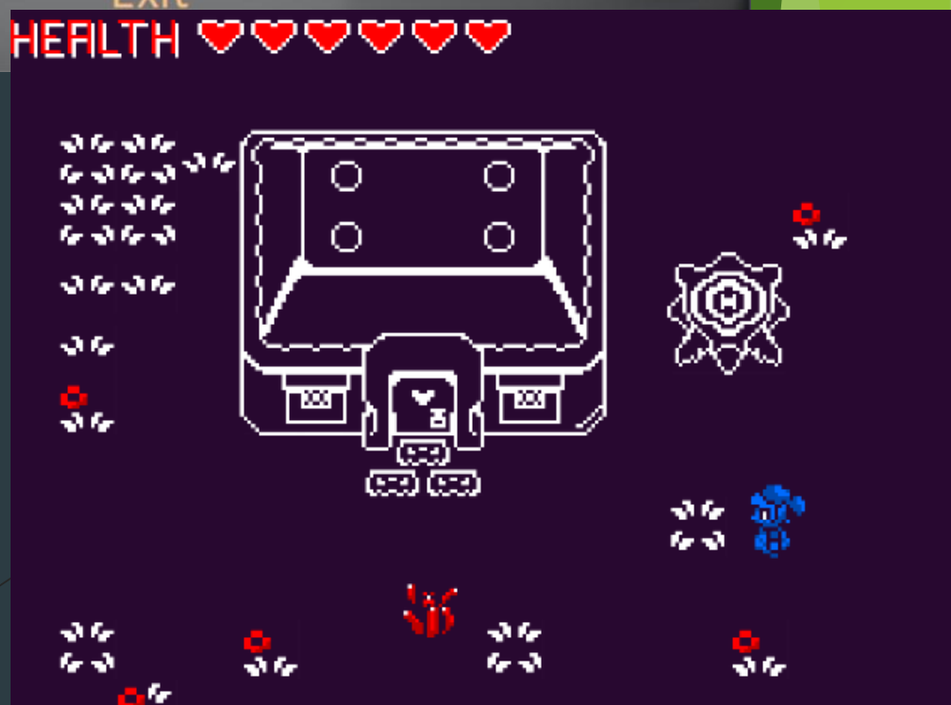
When I joined Computer Science at A-Level without studying it for GCSE I was nervous about how challenging it would of been for me to catch up with all the other students who had the base knowledge of the subject. However, with the support of the teachers and the students in the class, I was able to progress through the course feeling more confident in my abilities in the subject.

“Course has been challenging glad I took maths too”

Sample Projects







Our Success Rate

- 2018 – 100% A*- B
- 2019 – 100 % with 25% A*-B
- 2020- 100% with 63% A*-B

Entry Requirements

- As well as the standard sixth form entry requirement you will also require a grade 6 in maths.

Where to get more information

- Mrs Wilde – Head of Computing and ICT
- OCR Exam board website:

  ocr.org.uk