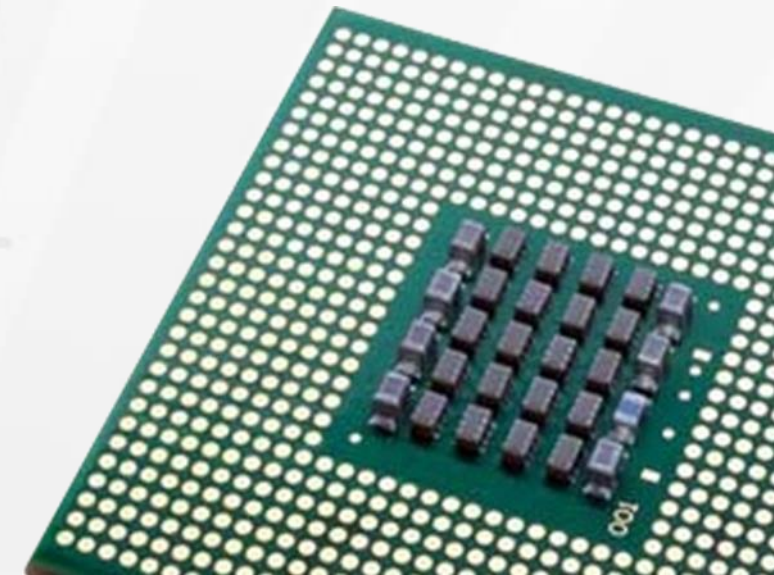


OPTIONS TALK

“Computer Science is no more about computers than astronomy is about telescopes.” - Edsger W. Dijkstra

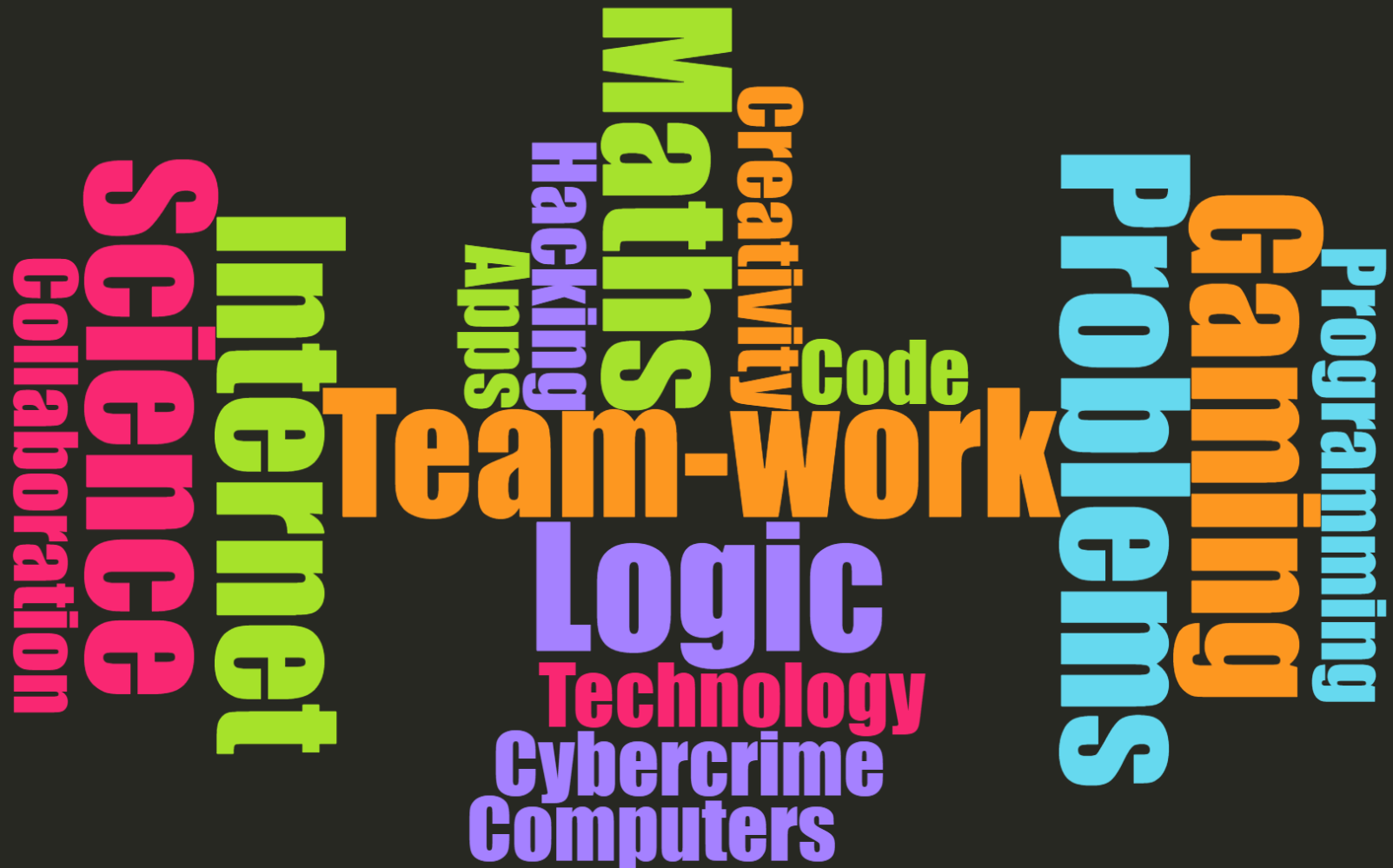


OPTIONS TALK

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



OPTIONS TALK



OPTIONS TALK

## Why choose Computer Science?

**Technology** is embedded in every aspect of our lives.

**Computer Science** is being used help solve many of the world's biggest problems



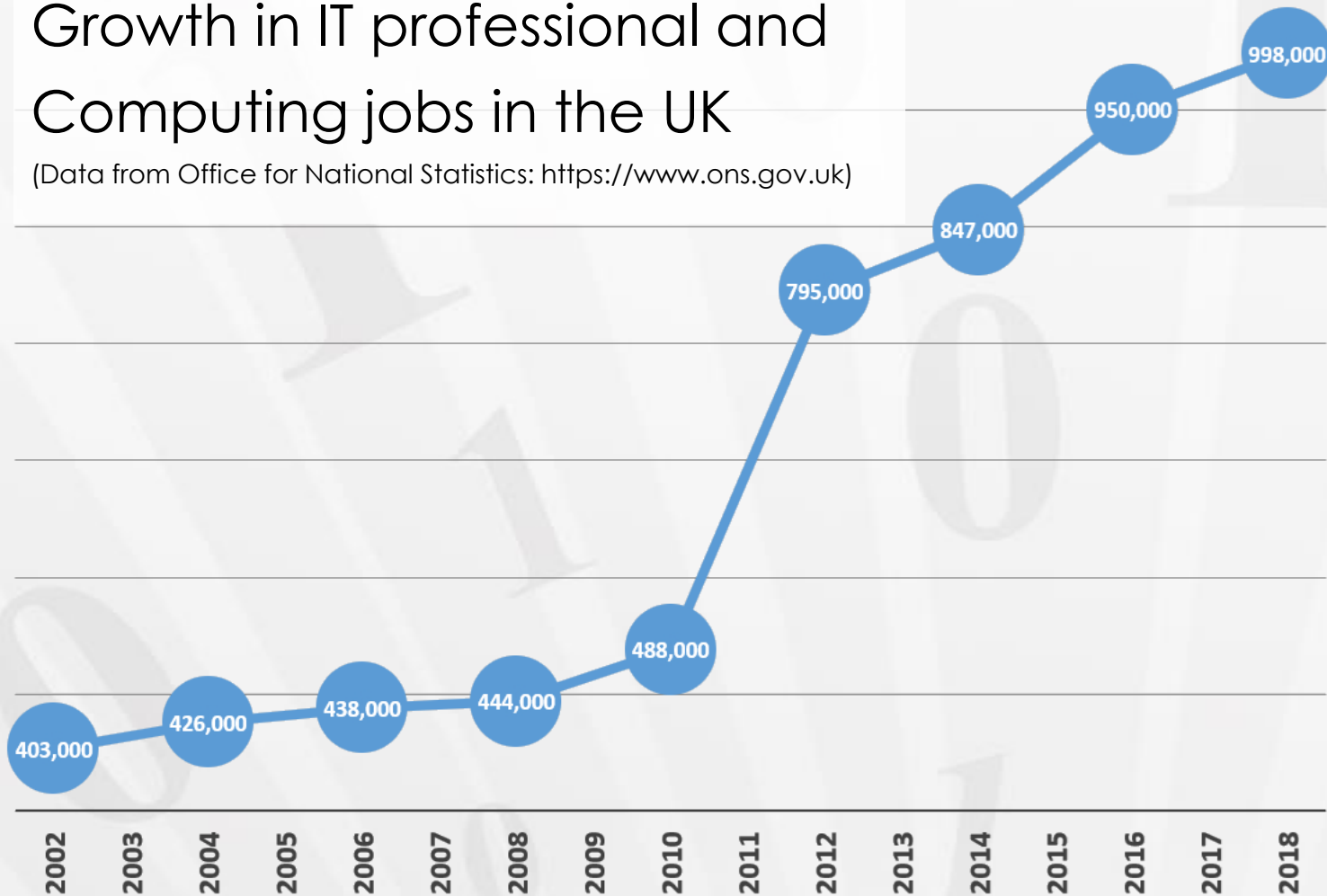
OPTIONS TALK

**Terrorism**  
**Unemployment**  
**Deforestation**  
**Climate-change**  
**Access-to-education**  
**Access-to-clean-water**  
**Safety-&-Security**  
**Global-warming**  
**Cyber-threats**  
**Inequality**  
**Poverty**

OPTIONS TALK

## 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?



OPTIONS TALK

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



OPTIONS TALK



A word cloud featuring various career and industry options. The words are arranged in a dense, overlapping cluster. The colors of the words include shades of blue, green, yellow, orange, red, and purple. The words are of varying sizes, with some being significantly larger than others. The words include: Gaming, Research, Medicine, Marketing, Consulting, Healthcare, Banking, Law, Finance, Tourism, Films, Agriculture, Advertising, Environment, Government, Retail, Defence, Manufacturing, and Cyber-security.

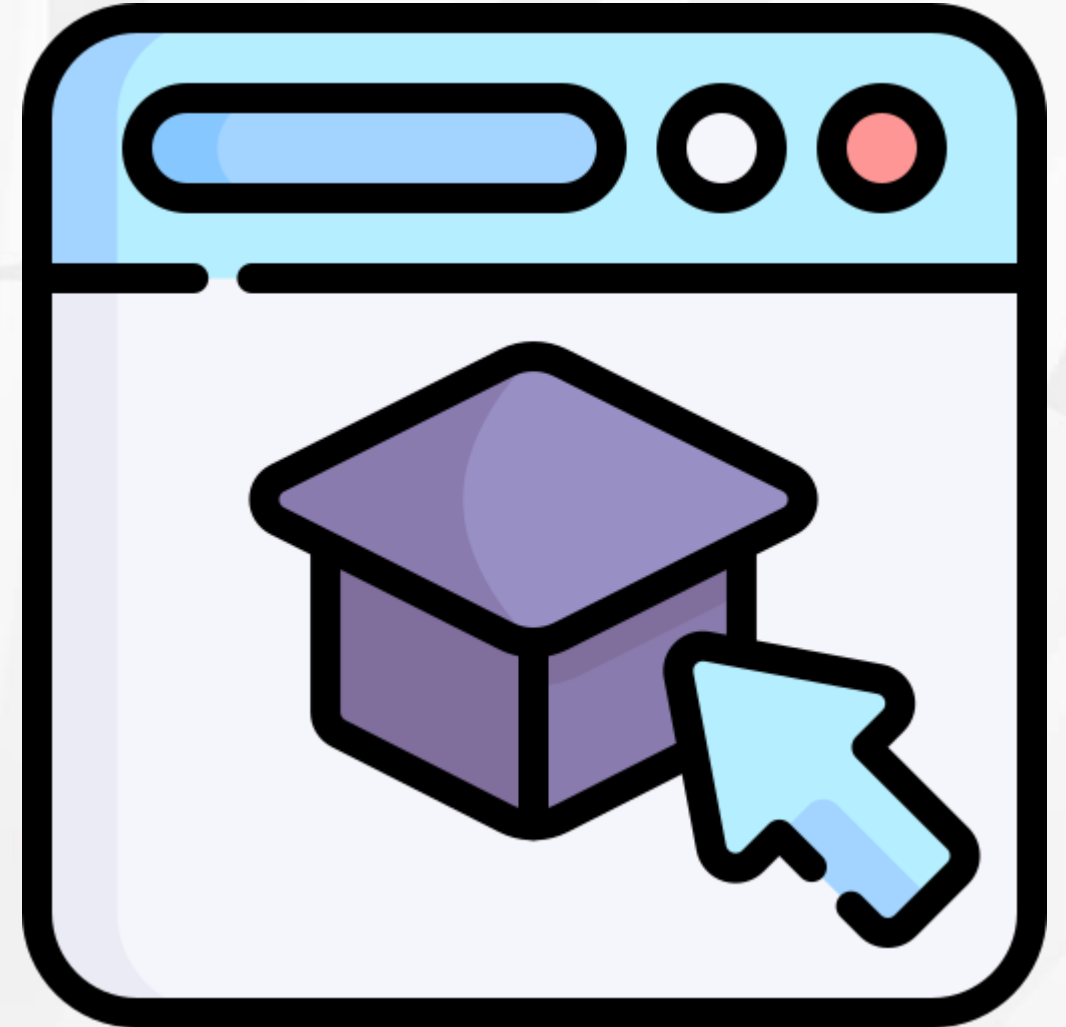
Gaming  
Research  
Medicine  
Marketing  
Consulting  
Healthcare  
Banking  
Law  
Finance  
Tourism  
Films  
Agriculture  
Advertising  
Environment  
Government  
Retail  
Defence  
Manufacturing  
Cyber-security



OPTIONS TALK

## 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



OPTIONS TALK

## OCR AS level course structure

	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.

OPTIONS TALK

## Where to get more information

- Miss Harewood  
Room 212  
[eharewood@eastleake-ac.org.uk](mailto:eharewood@eastleake-ac.org.uk)
- OCR Exam board website:  
[ocr.org.uk](http://ocr.org.uk)

