The background is a dark blue gradient. It is decorated with several light blue question marks of varying sizes and orientations. There are also large, stylized, concentric wavy lines in a slightly darker shade of blue, creating a sense of depth and movement.

**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 background is a solid blue color. Overlaid on this background is a faint, light blue line-art illustration. It depicts a hand holding a smartphone. Several dollar signs (\$) are scattered around the hand and phone, suggesting a financial or economic theme. The text is centered over this background.

**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?**

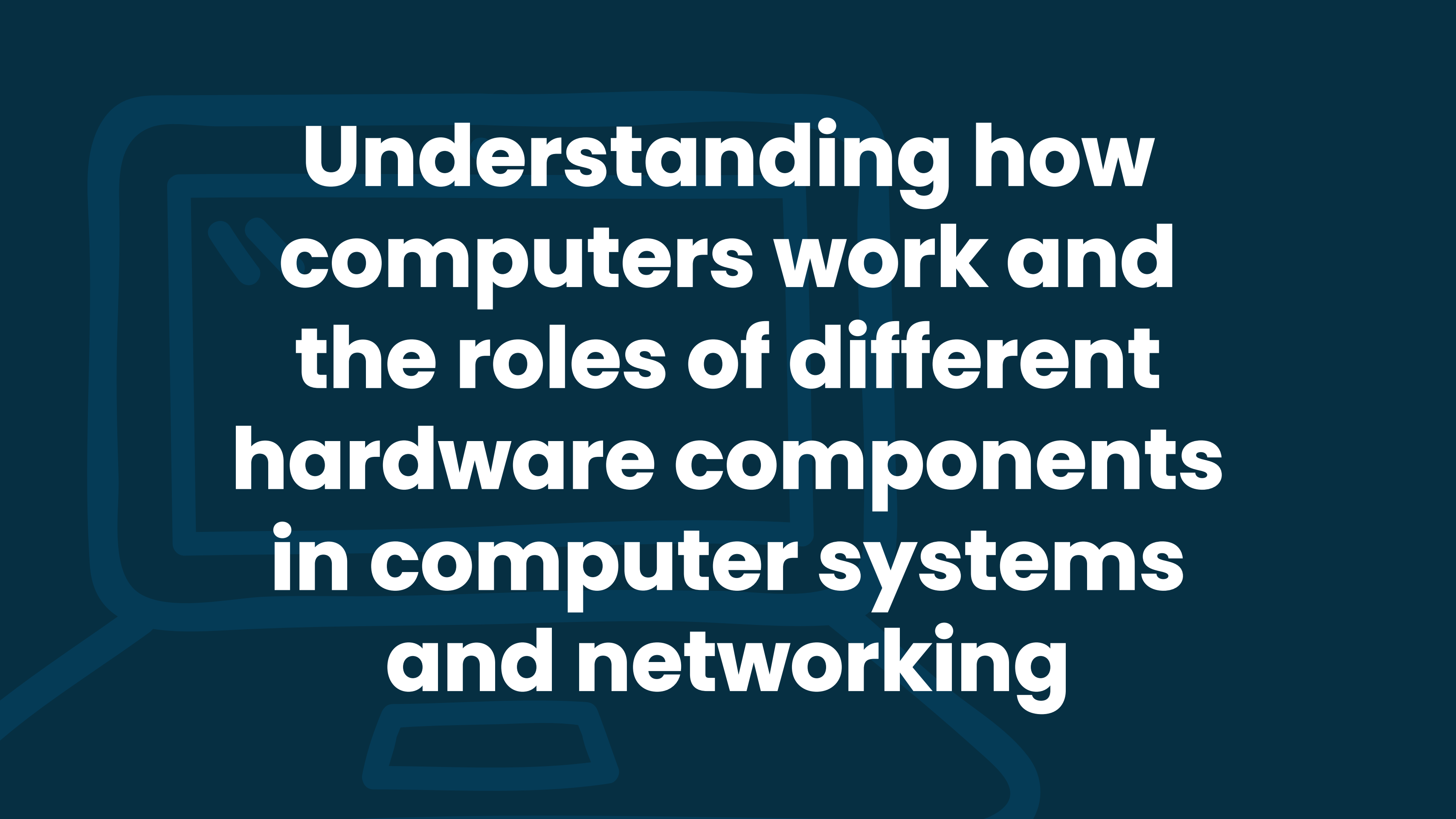


**Develops  
transferable  
technical skills**


The background is a dark teal color. It features two large, faint lightbulbs, one on the left and one on the right, with stylized plants growing from their bases. The text is centered in the middle of the image.

**Develops  
problem solving  
abilities**

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

A dark blue background featuring a large, stylized outline of a computer monitor. The monitor's screen area is defined by a lighter blue border, and the text is centered within this area. The text is in a bold, white, sans-serif font, arranged in five lines. The overall aesthetic is clean and modern, typical of a presentation slide.

**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 stylized, light blue outline of a laptop is centered in the background. The laptop has a screen, a camera lens at the top center, and a keyboard area at the bottom. The text is overlaid on the screen area.

**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)**