Mindluster Platform

About the course GCSE Computer Science

The course is a mixture of both theory and practical program development. The theory of Computer Science is examined over two examination papers each worth 40% of the overall GCSE. Topics covered include problem solving, data, communication, programming, computers and the Internet and the bigger picture. The General Certificate of Secondary Education is an academic qualification in a particular subject, taken in England, Wales, and Northern Ireland. State schools in Scotland use the Scottish Qualifications Certificate instead. Private schools in Scotland may choose to use an alternative qualification Is computer science a good GCSE? A GCSE in Computer Science will probably give you better skills and knowledge regarding computers than most people have. ... A GCSE in Computer Science will be great when applying for an A-Level in Computing or Computer Science, but beyond that, it probably won't help you advance. Computer programming is hard. Like learning the violin, or a second language, anyone can do it, but for most it takes a significant amount of dedication, time and practice. The computer science GCSE requires pupils to be proficient programmers to be successful. Is Computer Science hard? Learning the discipline of Computer Science is a hard and difficult endeavor for most students. However, if you are willing to invest the time and learn serious time management skills, most students can successfully learn the discipline and pursue successful careers in Computer Science fields.

Computer Science Category's Courses

Course Lesson(18)

Lesson 1 : **Binary 1 Converting to and from Denary**

Lesson 2 : **Hexadecimal**

Lesson 3 : **ASCII and Unicode Character Sets**

Lesson 4 : **Bitmap Images**

Lesson 5 : **Digital Audio**

Lesson 6 : **Introduction to Logic Gates**

Lesson 7 : **Logic Gate Expressions**

Lesson 8 : **Computer Networks Part One LANs and WANs**

Lesson 9 : **Computer Networks Part Two Network Hardware**

Lesson 10 : **Computer Networks Part Three Ethernet Fundamentals**

Lesson 11 : **Computer Networks Part Four LAN Topology**

Lesson 12 : **Computer Networks Part Five Switched Ethernet LANs**

Lesson 13 : **Computer Networks Part Six The TCP IP Protocol Stack and Routers**

Lesson 14 : **Domain Name System DNS**

Lesson 15 : **Python Programming 1 Output**

Lesson 16 : **Python Programming 2 Introduction to Variables**

Lesson 17 : **Python Programming 3 Input**

Lesson 18 : **Python Programming 4 Number Variables**

Lesson 19 : **Python Programming 5 If Statement**

Lesson 20 : **Python Programming 6 Relational Operators**

Lesson 21 : **Bubble Sort 1 Algorithm**

Lesson 22 : **Insertion Sort Algorithm**

Lesson 23 : **Merge Sort 1 â€“ The Algorithm**

Lesson 24 : **Fetch Decode Execute Cycle in more detail**

Lesson 25 : **The SQL SELECT Statement**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

for Business Contact
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