

## How You Can Help Your Child Revise Effectively in COMPUTER SCIENCE

For some of our students, formal exams have been something they have not completed regularly or at all. In order to support you to support them effectively at home, we would like to give you the following information:

The Topics your child will be tested on are:

Binary addition, binary shifts, Hex, Truth tables  
 ASCII, Compression, Metadata, file sizes, sound  
 Primary & Secondary storage, Embedded systems, Virtual memory  
 Digital technology CCTV, Open Software and Proprietary Software  
 High & Low level languages, Algorithms, looking for errors, IF statements, Trace tables, Variables,  
 Writing code to open and read text files  
 Networks, how do they work? Protocols, Network threats  
 Operating systems

Suggested Revision Focus:

<b>Week commencing</b>	<b>Focus</b>
<b>18<sup>th</sup> November</b>	Use textbook; revision questions from intervention, powerpoints on teams, notes in files, revision cards Binary addition, binary shifts, Hex, Truth tables, Open versus closed proprietary software
<b>25<sup>th</sup> November</b>	Programming tasks on Data Types, practise 2.1 Algorithms
<b>2<sup>nd</sup> December</b>	Demonstration of thought process for Algorithms, Analysis Design,
<b>9<sup>th</sup> December</b>	Algorithms, looking for errors, IF statements, Trace tables, Variables, Writing code to open and read text files. Embedded Systems, Logic gates
<b>16<sup>th</sup> December</b>	Primary & Secondary storage, Embedded systems, Virtual memory Open Software and Proprietary Software
<b>6<sup>th</sup> January 2025</b>	High & Low level languages, looking for errors, IF statements .
<b>13<sup>th</sup> January 2025</b>	Networks – Exam questions, Types of Networks, LAN, WAN
<b>20<sup>th</sup> January</b>	Network Threats, Viruses, Malware, Phishing, Scamming. Computer Misuse Act.
<b>27<sup>th</sup> January</b>	Algorithms, How to write SQL statements, writing pseudocode. Operating systems

Recommended revision sites/resources:

Craig n dave videos on you-tube

Teach-ict

Powerpoints on TEAMS

Notes from files

Hints and Tips:

Please attend Intervention class on a Wednesday at 3pm, we will be going over these topics ready for your mock exam

Create a quick mins map on long answer questions so you don't forget to include information.

All Y11 mock exams will take place between Wednesday 5th February and Friday 21<sup>st</sup> February 2025