



The Westbourne Academy KS4 Computer Science Journey

Maximising Potential within Computer Science



Feb Half Term Revision
PRACTICE MAKES PERFECT

Binary Search

Searching Algorithms

Revision that Sticks!

Revision

Final Exams



Post 16 Pathway



Environmental Issues



Cultural Questions in Computing



Sorting Algorithms?



Do you need to start Period 6?



Easter Revision

IDEs



Legal Issues in Computing



Defensive Design



Ethical Questions in Computing



Operating Systems



Year 11 PRE

Testing



High & Low Level Languages



11



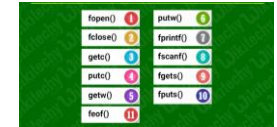
Threats to Computer Systems & Networks



Practical Programming Project



Identifying & preventing vulnerabilities



Additional Programming Techniques



Utility Software

Primary Storage



Wired & Wireless networks, protocols & layers



Programming Fundamentals



Choosing appropriate memory & storage options



CPU Performance

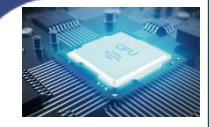


Secondary Storage

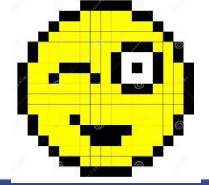
Year 10 PRE



Do you need to start Period 6?



Architecture of the CPU



Data Storage (Images and Sounds)



Data Types

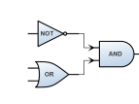


Data Storage, (Numbers and Characters)



Embedded Systems

Boolean Logic



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Designing, creating & refining Algorithms



Computational Thinking



Binary Units