

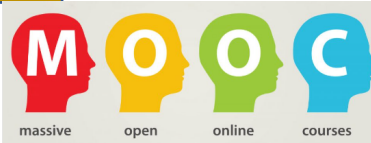
LEARNING JOURNEY



Be constructive over the summer holiday



Read and research about the course you will study



End of Year 13

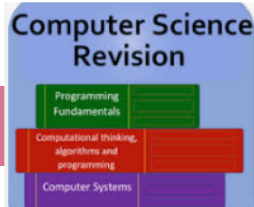
Summer

EXAM

Revision

Project testing

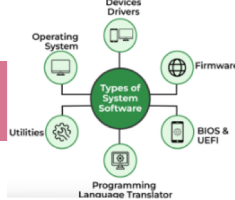
Test Number	Test Type	Test Data	Reason
1	Valid	Email = a@b.c	Enter a valid email to check if it says Valid



Applications

Boolean Algebra

Spring



Data types

Binary - 2's	
Signed Magnitude:	
+7	0 0 1 1 1
-7	1 0 1 1 1
2's Complement:	
+12	0 1 1 0 0
-12	1 0 1 0 0

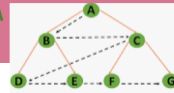
Project implementation



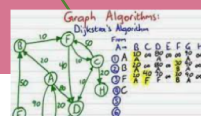
Web technologies



Graph Traversal



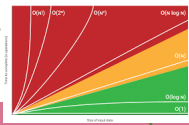
Optimisation Algorithms



Autumn



Networks



Algorithms and time efficiency

Project analysis and Design



Applications General

Start of Year 13

Summary:

The course develops more advanced topics and gives some time to develop the NEA project

The expectations are that you steadily program throughout the year to such an extent that you can design and complete your NEA application yourself (20% of your marks)

Theory is gradually introduced along with the responsibilities that computer scientists have to come to terms with – the Law, Morals and Ethics.