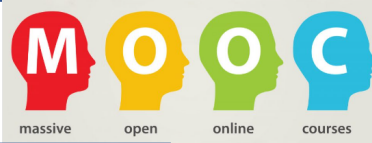


LEARNING JOURNEY



Be constructive over the summer holiday

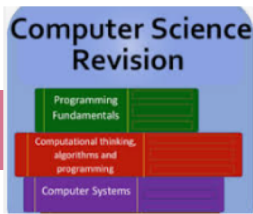


Read and research about the course you will study

Summer

EXAM

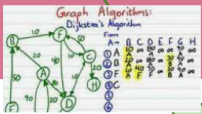
Revision



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

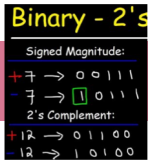
Optimisation Algorithms



Boolean Algebra

Distributive law	$A + BC = (A + B)(A + C)$	$A(B + C) = AB + AC$
Absorption law	$A(A + B) = A$	$A + AB = A$
De Morgan's law	$\overline{AB} = \overline{A} + \overline{B}$	$\overline{A + B} = \overline{A} \overline{B}$

Data types



Spring

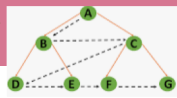
Project implementation



Web technologies



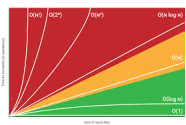
Graph Traversal



Autumn



Networks

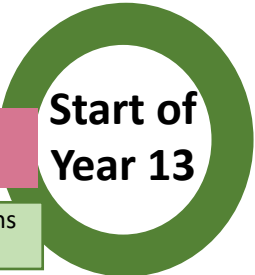


Algorithms and time efficiency

Project analysis and Design



Applications General



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 with – the Law, Morals and Ethics.