

YEAR 9 – COMPUTER SCIENCE

TERM 2 - WEEK 11 (2nd May to 6th May)

COMPUTER SCIENCE - THEORY

Class/ Division	Year 9 A-F
Work sent to the students via	Google Classroom
Total number of lessons per week	2
Lesson 1	Chapter 1 - Understanding Algorithms (Zoom live lesson) Chapter 2 - Creating Algorithms
Learning objective	Revision on understanding and creating Algorithms - Interpreting algorithms as flowchart, pseudocode and written description. - Making use of programming constructs and appropriate conventions.
Resources	Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation
Lesson 2	Chapter 1 - Understanding Algorithms (Google Classroom) Chapter 2 - Creating Algorithms
Learning objective	Revision on understanding and creating Algorithms - Interpreting algorithms as flowchart, pseudocode and written description. - Making use of programming constructs and appropriate conventions.
Resources	Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation
Task	Students will be asked to complete the questions on ‘ Creating algorithms ’ from the Revision worksheet.

TERM 2 - WEEK 11 (2nd May to 6th May)**COMPUTER SCIENCE – PRACTICAL**

Class/ Division	Year 9 A-F
Work sent to the students via	Google Classroom
Total number of lessons per week	2
Lesson 1	Chapter 3 – Sorting and Searching algorithms (Zoom live lesson)
Learning objective	Revision on Sorting and Searching algorithms. - bubble sort, merge sort, linear search and binary search. - efficiency of sorting and searching algorithms
Resources	Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation
Task	Students will be asked to complete the questions on ‘ Sorting and Searching algorithms ’ from the Revision worksheet.
Lesson 2	Chapter 12 – Binary (pages 110 – 119) (Zoom live lesson)
Learning objective	Revision on using binary to represent data. - Convert between binary and denary whole numbers (0 – 255) - Binary addition - signed and unsigned numbers - Sign and magnitude - Two’s complement
Resources	Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation
Task	Students will be asked to complete the questions on ‘ Binary ’ from the Revision worksheet.