

YEAR 9 – COMPUTER SCIENCE

TERM 2 - WEEK 7 (14th March to 18th March)

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 Learning objective Resources	Chapter 21 : Networks (Zoom live session) To be able to understand <ul style="list-style-type: none">• why computers are connected in a network• different types of network – LAN, WAN,PAN• characteristics of network topologies(bus, ring, star, mesh) Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation Resource video links: <ul style="list-style-type: none">• https://www.youtube.com/watch?v=7ew0Dpj7DFc• https://www.youtube.com/watch?v=ZAMbMcYqK_0• https://www.youtube.com/watch?v=zbqrNg4C98U
Lesson 2 Learning objective Resources Task	Chapter 21 : Networks (Google Classroom) To be able to understand <ul style="list-style-type: none">• why computers are connected in a network• different types of network – LAN, WAN,PAN• characteristics of network topologies(bus, ring, star, mesh) Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation Resource video links: <ul style="list-style-type: none">• https://www.youtube.com/watch?v=7ew0Dpj7DFc• https://www.youtube.com/watch?v=ZAMbMcYqK_0• https://www.youtube.com/watch?v=zbqrNg4C98U Activity questions will be posted in Google classroom

TERM 2 - WEEK 7 (14th March to 18th March)

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 Learning objective Resources	<p>Chapter 3: Sorting and Searching algorithms(Zoom live session)</p> <p>To be able to understand</p> <ul style="list-style-type: none"> • how standard algorithms linear search and binary search work • how the choice of algorithm is influenced by the data structures and data values that need to be manipulated. • Evaluate the fitness for purpose of algorithms in meeting specified requirements efficiently, using logical reasoning and test data. <p>Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation</p> <p>Resource video links:</p> <ul style="list-style-type: none"> • https://www.youtube.com/watch?v=YsUv-YcMOLY • https://www.youtube.com/watch?v=NfUTAymEfvQ&t=83s • https://www.youtube.com/watch?v=FBJKwjTwNTo
Lesson 2 Learning objective Resources Task	<p>Chapter 3: Sorting and Searching Algorithms (Zoom live session)</p> <p>To be able to understand</p> <ul style="list-style-type: none"> • how standard algorithms linear search and binary search work • how the choice of algorithm is influenced by the data structures and data values that need to be manipulated. • Evaluate the fitness for purpose of algorithms in meeting specified requirements efficiently, using logical reasoning and test data. <p>Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation</p> <p>Resource video links:</p> <ul style="list-style-type: none"> • https://www.youtube.com/watch?v=YsUv-YcMOLY • https://www.youtube.com/watch?v=NfUTAymEfvQ&t=83s • https://www.youtube.com/watch?v=FBJKwjTwNTo <p>Activity questions will be posted in Google Classroom</p>