

YEAR 9 – COMPUTER SCIENCE

TERM 2 - WEEK 6 (7th March to 11th 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 16 : Machines and Computational Models (Zoom live session) To be able to understand <ul style="list-style-type: none">• input-process-output model• Range of computational models (sequential, parallel and multi-agent) 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=Bsyag_1Pfm0• https://www.youtube.com/watch?v=DBRNE3A5Wvw• https://www.youtube.com/watch?v=agQSHfHhvZI
Lesson 2 Learning objective Resources Task	Chapter 16 : Machines and Computational Models (Google Classroom) To be able to understand <ul style="list-style-type: none">• input-process-output model• Range of computational models (sequential, parallel and multi-agent) 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=Bsyag_1Pfm0• https://www.youtube.com/watch?v=DBRNE3A5Wvw• https://www.youtube.com/watch?v=agQSHfHhvZI Activity questions will be posted in Google classroom

TERM 2 - WEEK 6 (7th March to 11th 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
<p>Lesson 1</p> <p>Learning objective</p> <p>Resources</p>	<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 bubble sort and merge sort 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=EM3YC3dtMv8 • https://www.youtube.com/watch?v=Vca808JTbI8&t=4s • https://www.youtube.com/watch?v=g_xesqdQqvA • https://www.youtube.com/watch?v=JSceec-wEyw
<p>Lesson 2</p> <p>Learning objective</p> <p>Resources</p> <p>Task</p>	<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 bubble sort and merge sort 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=EM3YC3dtMv8 • https://www.youtube.com/watch?v=Vca808JTbI8&t=4s • https://www.youtube.com/watch?v=g_xesqdQqvA • https://www.youtube.com/watch?v=JSceec-wEyw <p>Activity questions will be posted in Google Classroom</p>