

# YEAR 9 – COMPUTER SCIENCE

TERM 2 - WEEK 9 (18<sup>th</sup> April to 22<sup>nd</sup> April)

## COMPUTER SCIENCE - THEORY

<b>Class/ Division</b>	Year 9 A-F
<b>Work sent to the students via</b>	Google Classroom
<b>Total number of lessons per week</b>	2
<b>Lesson 1</b> <b>Learning objective</b>  <b>Resources</b>	<b>Chapter 21 : Networks (Zoom live session)</b>  To be able to understand the role and need for <ul style="list-style-type: none"><li>• Email protocols - SMTP , POP3, IMAP</li><li>• Network protocols – Ethernet, Wi-Fi, TCP, TCP/IP, HTTP, HTTPS, FTP (Recap)</li></ul> Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation  <b>Resource video links:</b> <ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=PJo5yOtu7o8">https://www.youtube.com/watch?v=PJo5yOtu7o8</a></li><li>• <a href="https://www.youtube.com/watch?v=SBaARws0hy4">https://www.youtube.com/watch?v=SBaARws0hy4</a></li><li>• <a href="https://www.youtube.com/watch?v=IKFVRoCH0fg">https://www.youtube.com/watch?v=IKFVRoCH0fg</a></li></ul>
<b>Lesson 2</b> <b>Learning objective</b>  <b>Resources</b>   <b>Task</b>	<b>Chapter 21 : Networks (Google Classroom)</b>  To be able to understand the role and need for <ul style="list-style-type: none"><li>• Email protocols - SMTP , POP3, IMAP</li><li>• Network protocols – Ethernet, Wi-Fi, TCP, TCP/IP, HTTP, HTTPS, FTP (Recap)</li></ul> Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation  <b>Resource video links:</b> <ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=PJo5yOtu7o8">https://www.youtube.com/watch?v=PJo5yOtu7o8</a></li><li>• <a href="https://www.youtube.com/watch?v=SBaARws0hy4">https://www.youtube.com/watch?v=SBaARws0hy4</a></li><li>• <a href="https://www.youtube.com/watch?v=IKFVRoCH0fg">https://www.youtube.com/watch?v=IKFVRoCH0fg</a></li></ul> Activity questions will be posted in Google Classroom

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COMPUTER SCIENCE - PRACTICAL

<b>Class/ Division</b>	Year 9 A-F
<b>Work sent to the students via</b>	Google Classroom
<b>Total number of lessons per week</b>	2
<b>Lesson 1</b>	<b>Chapter 21 : Networks (Zoom live session)</b>
<b>Learning objective</b>	To be able to understand that data can be transmitted in packets using layered protocol stacks and the <b>4-layer TCP/IP model</b> . <ul style="list-style-type: none"><li>• application</li><li>• transport</li><li>• network</li><li>• data link</li></ul>
<b>Resources</b>	Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation  <b>Resource video links:</b> <ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=MVihcigDlbA">https://www.youtube.com/watch?v=MVihcigDlbA</a></li><li>• <a href="https://www.youtube.com/watch?v=jXUj2dYkDnI">https://www.youtube.com/watch?v=jXUj2dYkDnI</a></li><li>• <a href="https://www.youtube.com/watch?v=UVOaQkQAHsQ">https://www.youtube.com/watch?v=UVOaQkQAHsQ</a></li></ul>
<b>Lesson 2</b>	<b>Chapter 21 : Networks (Zoom live session)</b>
<b>Learning objective</b>	To be able to understand the different mobile communication standards - <b>3G, 4G</b> and subsequent generations.
<b>Resources</b>	Pearson Edexcel International GCSE(9-1) Computer Science Book PowerPoint presentation  <b>Resource video links:</b> <ul style="list-style-type: none"><li>• <a href="https://www.youtube.com/watch?v=1JZG9x_VOwA&amp;t=1s">https://www.youtube.com/watch?v=1JZG9x_VOwA&amp;t=1s</a></li><li>• <a href="https://www.youtube.com/watch?v=Zf4xizv3xug">https://www.youtube.com/watch?v=Zf4xizv3xug</a></li><li>• <a href="https://www.youtube.com/watch?v=UT5GVRWhce0">https://www.youtube.com/watch?v=UT5GVRWhce0</a></li></ul>
<b>Task</b>	Activity questions will be posted in Google Classroom