

# YEAR 9 – COMPUTER SCIENCE

## WEEK 3 (13<sup>th</sup> Sept to 17<sup>th</sup> Sept) – 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>Chapter 1 : Understanding Algorithms (Zoom live session)</b>
<b>Learning objective</b>	To be able to express algorithms as <ul style="list-style-type: none"><li>• Written description</li><li>• Flowchart</li></ul>
<b>Resources</b>	<a href="https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-computer-science-2017.resources.html?filterQuery=category:Pearson-UK:Publisher%2FPearson">https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-computer-science-2017.resources.html?filterQuery=category:Pearson-UK:Publisher%2FPearson</a> PowerPoint presentation  <b>Resource video links:</b> <a href="https://www.youtube.com/watch?v=SWRDqTx8d4k">https://www.youtube.com/watch?v=SWRDqTx8d4k</a> <a href="https://www.youtube.com/watch?v=BQP2doXjVIQ">https://www.youtube.com/watch?v=BQP2doXjVIQ</a> <a href="https://www.youtube.com/watch?v=BVyuZ7icw6M">https://www.youtube.com/watch?v=BVyuZ7icw6M</a>
<b>Lesson 2</b>	<b>Chapter 1 : Understanding Algorithms (Google classroom session)</b>
<b>Learning objective</b>	To be able to express algorithms as <ul style="list-style-type: none"><li>• Written description</li><li>• Flowchart</li></ul>
<b>Resources</b>	<a href="https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-computer-science-2017.resources.html?filterQuery=category:Pearson-UK:Publisher%2FPearson">https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-computer-science-2017.resources.html?filterQuery=category:Pearson-UK:Publisher%2FPearson</a> PowerPoint presentation
<b>Task</b>	Activity questions will be posted in Google classroom

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<b>Lesson 1</b>  <b>Learning objective</b>  <b>Resources</b>	<b>Python Programming (Zoom live session)</b>  To be able to understand Python operators such as; <ul style="list-style-type: none"> <li>• Arithmetic operators</li> <li>• Relational operators</li> <li>• Logical operators</li> <li>• Assignment operators</li> </ul> PowerPoint presentation <b>Resource video links:</b> <a href="https://www.youtube.com/watch?v=-wDaVLkKOiU">https://www.youtube.com/watch?v=-wDaVLkKOiU</a> <a href="https://www.youtube.com/watch?v=v5MR5JnKcZI&amp;t=2s">https://www.youtube.com/watch?v=v5MR5JnKcZI&amp;t=2s</a> <a href="https://www.youtube.com/watch?v=0-hzxfkpHy8&amp;t=37s">https://www.youtube.com/watch?v=0-hzxfkpHy8&amp;t=37s</a>
<b>Lesson 2</b>  <b>Learning objective</b>  <b>Resources</b>  <b>Task</b>	<b>Python Programming (Zoom live session)</b>  To be able to understand Python operators such as; <ul style="list-style-type: none"> <li>• Arithmetic operators</li> <li>• Relational operators</li> <li>• Logical operators</li> <li>• Assignment operators</li> </ul> PowerPoint presentation  <b>Resource video links:</b> <a href="https://www.youtube.com/watch?v=-wDaVLkKOiU">https://www.youtube.com/watch?v=-wDaVLkKOiU</a> <a href="https://www.youtube.com/watch?v=v5MR5JnKcZI&amp;t=2s">https://www.youtube.com/watch?v=v5MR5JnKcZI&amp;t=2s</a> <a href="https://www.youtube.com/watch?v=0-hzxfkpHy8&amp;t=37s">https://www.youtube.com/watch?v=0-hzxfkpHy8&amp;t=37s</a>  Activity questions will be posted in Google Classroom