

# YEAR 9 – COMPUTER SCIENCE

## WEEK 6 (4<sup>th</sup> Oct to 8<sup>th</sup> October) – 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 2 : Creating Algorithms (Zoom live session)</b>
<b>Learning objective</b>	To be able to <ul style="list-style-type: none"><li>• understand how to create an algorithm to solve a particular problem</li><li>• make use of programming constructs sequence and selection</li><li>• use appropriate conventions (flowchart, pseudocode, written description, draft program code)</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=eSYeHIwDCNA">https://www.youtube.com/watch?v=eSYeHIwDCNA</a> <a href="https://www.youtube.com/watch?v=2dev9N6gUZw">https://www.youtube.com/watch?v=2dev9N6gUZw</a> <a href="https://www.youtube.com/watch?v=USOT3hq_-6g">https://www.youtube.com/watch?v=USOT3hq_-6g</a>
<b>Lesson 2</b>	<b>Chapter 2 : Creating Algorithms (Google classroom session)</b>
<b>Learning objective</b>	To be able to <ul style="list-style-type: none"><li>• understand how to create an algorithm to solve a particular problem</li><li>• make use of programming constructs sequence and selection.</li><li>• use appropriate conventions (flowchart, pseudocode, written description, draft program code)</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

**WEEK 6 (4<sup>th</sup> October to 8<sup>th</sup> October) – 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>Learning objective</b>  <b>Resources</b>	<b>Python Programming - Zoom live session</b>  To be able to <ul style="list-style-type: none"> <li>• understand the structural components of a program - command sequences and selection.</li> <li>• use sequencing and selection constructs in Python programs.</li> </ul> PowerPoint presentation  <b>Resource video links:</b> <a href="https://www.youtube.com/watch?v=PqFKRqpHrjw">https://www.youtube.com/watch?v=PqFKRqpHrjw</a> <a href="https://www.youtube.com/watch?v=Zp5MuPOtsSY">https://www.youtube.com/watch?v=Zp5MuPOtsSY</a> <a href="https://www.youtube.com/watch?v=nMEFZ6TvkDA">https://www.youtube.com/watch?v=nMEFZ6TvkDA</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 <ul style="list-style-type: none"> <li>• understand the structural components of a program - command sequences and selection.</li> <li>• use sequencing and selection constructs in Python programs.</li> </ul> PowerPoint presentation  <b>Resource video links:</b> <a href="https://www.youtube.com/watch?v=PqFKRqpHrjw">https://www.youtube.com/watch?v=PqFKRqpHrjw</a> <a href="https://www.youtube.com/watch?v=Zp5MuPOtsSY">https://www.youtube.com/watch?v=Zp5MuPOtsSY</a> <a href="https://www.youtube.com/watch?v=nMEFZ6TvkDA">https://www.youtube.com/watch?v=nMEFZ6TvkDA</a>  Activity questions will be posted in Google Classroom