



مدرسة القديسة مريم الكاثوليكية الثانوية - دبي
ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

Lesson Plan (Theory)

YEAR 9 – Computer Science (Week 5)-2021-2022

Subject	Computer Science
Class/ Section	Year 9(A-F)
Week	26th -30th September
Work send to students by	Google classroom
Total number of lessons per week	2
Unit/Topic	Unit 1: Problem solving Topic: Understanding Algorithms
Key vocabulary	Algorithm, Pseudocode
Lessons 1,2 –Live Zoom lesson along with face to face instruction for students present on a particular day Work will be assigned in Google classroom which will be matched to the student's ability.	<u>Specific Learning objectives</u> To be able to <ul style="list-style-type: none">• express algorithms as pseudocode• understand the programming concepts used in pseudocode <u>Specific Intended Learning Outcomes</u> <ul style="list-style-type: none">• Students will be able to express algorithms as pseudocode• Students will use the programming concepts used in pseudocode

<p>Tasks/Activities</p>	<ul style="list-style-type: none"> -Express algorithm in pseudocode. -Identify errors in the pseudocode - State the input variables in the pseudocode. -State the purpose of pseudocode. <p>They will be put in break out rooms during Zoom lesson to encourage collaborative learning.</p>
<p>Assessment Criteria/ Essential questions</p>	<p>Essential Question that are according to the Pearson Edexcel specification</p> <ul style="list-style-type: none"> -Activity questions will be posted in Google classroom <p>For example, assessment objectives expected by the board with respect to the above question is listed below.</p> <p>AO1: Demonstrate knowledge and understanding of expressing algorithms as pseudocode</p> <p>AO2: Apply knowledge and understanding of expressing algorithms as pseudocode</p>
<p>Resources</p>	<p>https://qualifications.pearson.com/en/qualifications/edexcelinternational-gcse-and-Edexcel-certificates/international-gcsecomputer-science-2017.resources.html?filterQuery=category:PearsonUK:Publisher%2FPearson</p> <p>PowerPoint presentation</p> <p>Video links: https://www.youtube.com/watch?v=ngeNdzY4E9E https://www.youtube.com/watch?v=XDWw4Ltfy5w https://www.youtube.com/watch?v=4G0EYfrDT8</p>



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Lesson Plan (Practical)

YEAR 9 – Computer Science (Week 5)-2021-2022

Subject	Computer Science (CS)
Class/ Section	Year 9(A-F)
Week	26th -30th September
Work send to students by	Google classroom
Total number of lessons per week	2
Unit/Topic	Python Programming
Key vocabulary	integer, float, boolean, string
Lessons 1,2–Live Zoom/GC lesson along with face to face instruction for students present on a particular day Work will be assigned in Google classroom which will be matched to the student's ability.	<u>Specific Learning objectives</u> To be able to <ul style="list-style-type: none">• understand the need for & how to use, data types.• understand user input and output statements in python. <u>Specific Intended Learning Outcomes</u> Students will be able to know <ul style="list-style-type: none">-different data types like integer, float, boolean, string- the input function & the print function in Python

