



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

Theory

YEAR 8 – Computing (Week3)-2021-2022

Subject	Computing
Class/ Section	Year 8A-F
Week	12th September to 16th September
Work send to students by	Google classroom
Total number of lessons per week	2
Unit/ Topic:	– Computational thinking (Chapter 1) 1.2 Using Pseudocode
Key Vocabulary	Pseudocode, ENTER/ INPUT, OUTPUT, IF, THEN,FOR, REPEAT,UNTIL
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 students ability.	<u>Specific Learning objectives:</u> <ul style="list-style-type: none">• Understand the meaning of Pseudocode.• Use Pseudocode to show computational thinking.• Use the basic keywords of Pseudocode (ENTER/INPUT,OUTPUT, IF THEN,FOR, REPEAT,UNTIL). <u>Specific Intended Learning Outcomes</u> <ul style="list-style-type: none">- Students will be able to understand the meaning of Pseudocode.- Students will be able to use Pseudocode to show computational thinking.- Students will be able to use the basic keywords of Pseudocode.

<p>Tasks/Activities</p>	<p>The teacher would introduce Pseudocode and explain the basic keywords to generate it.</p> <p>Students will explore it by using ENTER/INPUT,OUTPUT, IF THEN (Sequence) ,FOR, REPEAT,UNTIL(iteration).</p> <p>The teacher will introduce Pseudocode using selection and iteration with suitable examples. Students will explore that by doing with small Pseudocode.</p> <p>Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.</p>
<p>Assessment Criteria/ Essential questions</p>	<p>Essential tasks that are according to curriculum:</p> <ul style="list-style-type: none"> • Pseudocode to find biggest among two numbers using selection. • Pseudocode to find biggest among three numbers using selection. • Pseudocode to print 1 to n using iteration.
<p>Resources</p>	<ol style="list-style-type: none"> 1. Matrix Computing for 11-14 -2 Page No 12 to 15 2. PowerPoint presentation on the topic

Practical

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Key Vocabulary	Pseudocode, ENTER/ INPUT, OUTPUT, IF, THEN,FOR, REPEAT,UNTIL
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 students ability.	<u>Specific Learning objectives:</u> <ul style="list-style-type: none">• Understand Pseudocode using Selection• Understand Pseudocode using Iteration <u>Specific Intended Learning Outcomes</u> <ul style="list-style-type: none">- Students will be able to write Pseudocode using Selection.- Students will be able write Pseudocode using Iteration.

Tasks/Activities

Students will explore the general syntax used for Pseudocode using Sequence/Selection/ Iteration.

Student will complete the worksheet uploaded in Google classroom using Pseudocode with Sequence, Selection and Iteration.

Assessment Criteria/

Essential questions

Essential tasks that are according to curriculum:

- Pseudocode to find addition and multiplication of three numbers using **Sequence**.
- Pseudocode to find if the given mark is “PASS” or “FAIL” using Selection.
- Pseudocode to print only even numbers from 0 to n using **iteration**.

Assessment objectives expected by the curriculum with respect to the above question is listed below.

Obj1: Complete the missing pseudocode.

Obj2: Identify the variables and operators used in the pseudocode .

Obj3: Order pseudocode in correct order.

Obj4: Complete an incomplete pseudocode.

Resources

1. Matrix Computing for 11-14 -2 Page No 12 to 15
2. Worksheet on the topic