

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

## **Theory/Practical**

## <u>YEAR 8 – Computing (Week 2)-2021-2022</u>

Subject	Computing
Class/ Section	Year 8A-F
Week	5 <sup>th</sup> September to 9 <sup>th</sup> September
Work send to students by	Google classroom
Total number of lessons per week	2
Unit/ Topic:	Computational thinking (Chapter 1) 1.1 What do I know?
Key Vocabulary	Computational thinking, Problem solving, flow chart, Sequence, Selection, Iteration
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.	<ul> <li>Specific Learning objectives:</li> <li>Understand Computational thinking.</li> <li>Use Computational thinking to solve problems.</li> <li>Use flowchart using(Sequence/Selection/Iteration).</li> </ul> Specific Intended Learning Outcomes <ul> <li>Students will be able to understand Computational thinking.</li> <li>Students will be able to use Computational thinking to solve problems.</li> <li>Students will be able to use flowchart (Sequence/Selection/Iteration).</li> </ul>
Tasks/Activities	The teacher would introduce computational thinking to others. Then use computational thinking to solve problems. Students will explore it by flowchart.

Assessment Criteria/ Essential questions	<ul> <li>The teacher will introduce the basic steps used for any flowchart and explain about three types of flowchart (Sequence/Selection/Iteration) with suitable examples. Students will explore that by doing with small flowchart.</li> <li>Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.</li> <li>Essential tasks that are according to curriculum:</li> <li>Flowchart to find sum of 5 numbers using Sequence.</li> <li>Flowchart to find biggest among two numbers using selection.</li> <li>Flowchart to print any message for 5 times using iteration.</li> <li>Flowchart to print 1 to n using iteration.</li> <li>Assessment objectives expected by the curriculum with respect to the above question is listed below.</li> </ul>
	Obj1: Find missing shapes and text of flowchart. Obj2: Draw flowchart. Obj3: find the output of given flowchart.
Resources	<ol> <li>Matrix Computing for 11-14 -2 Page No 8</li> <li>PowerPoint presentation on the topic</li> <li>Worksheet on the topic</li> <li><u>https://youtu.be/SWRDqTx8d4k</u></li> </ol>