Theory/Practical

YEAR 7 – Computing (Week 2)-2021-2022

Subject	**Computing**
Class/ Section	**Year 7A-F**
Week	**5th September to 9th September**
Work send to students by	**Google classroom**
Total number of lessons per week	**2**
Unit/ Topic:	**Computational thinking (Chapter 1)**
Key Vocabulary	**Computational thinking, Decomposition, SPAM, SPAM FILTER, Algorithm, Sequence**
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.**	**Specific Learning objectives:** • **Understand Computational thinking / Decomposition , Algorithm(logical order).** • **Understand SPAM and SPAM FILTER** • **Write an algorithm for the specific task using its basic order.** **Specific Intended Learning Outcomes** - **Students will be able to understand Computational thinking / Decomposition , and logical order of an algorithm.** - **Students will be able to understand SPAM and SPAM FILTER in real time.** - **Students will be able write an algorithm for the specific task using its basic order.**

Tasks/Activities	**The teacher would introduce computational thinking and explain about decomposition in real life. Then teacher will explain SPAM and SPAM FILTER.**
	Students will explore it by opening their email. Also they will try avoiding and unsubscribing those from emails by teacher's assistance.
	The teacher will introduce the basic steps used for any algorithm. Students will explore that by doing with small algorithm.
	Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.

Assessment Criteria/ Essential questions	**Essential tasks that are according to curriculum:**
	• **Algorithm to add 5 numbers and display the result using Sequence.**
	• **Algorithm to find addition, subtraction and multiplication of 2 numbers using Sequence.**
	• **Write an algorithm to find total average of 3 subject marks (Mark1, Mark2, Mark3) using Sequence.**
	• **Algorithm to read product code, product name, price, Qty and display the total price by multiplying price with qty using sequence.**
	Assessment objectives expected by the curriculum with respect to the above question is listed below.
	
	  Obj1: Order the algorithm in correct sequence.
	  Obj2: Complete an incomplete algorithm.
	  Obj3: Write an algorithm using sequence.

Resources	1. **Matrix Computing for 11-14 -1 Page No 8** 2. **PowerPoint presentation** 3. **Worksheet on the topic**