Theory

YEAR 6 – Computing (Week 4)-2021-2022

Subject	Computing
Class/ Section	Year 6 – A, B, C, D, E, F
Week	19th September to 23rd September
Work send to students by	Google classroom
Total number of lessons per week	1
Unit/Topic	Algorithm- Error Correction in an Algorithm
Lessons 1,2,3 –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 -Be able to identify errors in the algorithms. -Be able to debug the errors in the algorithms. Specific Intended Learning Outcomes -Students will be able to identify the errors in the algorithm. - Students will be able to debug the errors in the algorithm.
Key Vocabulary	Constructs, Iteration, Errors Debug, Variables, For Loop
Tasks/Activities	-The teacher would explain how to identify and debug errors in the algorithm. -The teacher would introduce Iteration to print a statement. -The teacher would create breakout session for students and would give few algorithms to identify and debug errors.

Assessment Criteria/ Essential questions	Essential Question that are according to the Pearson edexcel specification
	e.g Edexcel iPrimary Computing (PS6.1D)
	Entry question to check students existing knowledge about the topic.
	Breakout session will help them collaborative learning.
	Students will apply the knowledge about constructs, variables and calculations to find out the errors in the algorithm.
	AO1: Demonstrate knowledge and understanding of Iteration. AO2: Apply Knowledge and understanding of algorithm constructs and keywords. AO3: Analyse, evaluate, make reasoned judgements and present conclusions
Resources	1. Edexcel iPrimary Computing (PS6.1D) 2. PowerPoint on the topic 3. MS Word/Activity Sheet 4. https://www.youtube.com/watch?v=r3Ti5Xp9W8A

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Unit/Topic	Algorithm- Error Correction in an Algorithm

Lessons 1,2,3 –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
	     -Be able to identify errors in the algorithms.
	     -Be able to debug the errors in the algorithms.
	
	 Specific Intended Learning Outcomes
	 -Students will be able to identify the errors in the algorithm.
	 - Students will be able to debug the errors in the algorithm.

Key Vocabulary	Constructs, Iteration, Errors Debug, Variables, For Loop
Tasks/Activities	-The students will explore the selection and Iteration Syntax. -The students will complete the worksheets given on the Google classroom using Iteration. -The students will complete the worksheet given on the Google classroom to find the errors and debug the given algorithms.
Assessment Criteria/ Essential questions	Essential Question that are according to the Pearson edexcel specification e.g Edexcel iPrimary Computing (PS6.1D) • Algorithm to make a call to your friend using Iteration.

	• Algorithm to print a statement 5 times using Iteration. • Algorithm to find the errors and debug it. Assessment objectives expected by the curriculum with respect to the above question is listed below. Obj1: Write an algorithm using Iteration. Obj2: Order the algorithm in the correct sequence. Obj2: Find out the errors in the given algorithm and rewrite it.
Resources	1. Edexcel iPrimary Computing (PS6.1D) 2. PowerPoint on the topic 3. MS Word/Activity Sheet 4. https://www.youtube.com/watch?v=r3Ti5Xp9W8A