


COMPUTER				
MONTH	NO. OF	TOPIC	SUB TOPIC	LEARNING OUTCOME
APRIL	9	Computer – its Components	Introduction to Computer How Does a Computer Work?	Will learn about *Common terms related to computer systems and Benefits of using a computer system. * Working of the computer based on input, process, output and storage.
		Computer – Its Components	Make a presentation on computer devices using relevant	This activity enhances the information- searching, organizational, and
		Computer – its Components	CPU and different types of multi-core processor	* Will learn about Common input, output, storage and processing devices.
		Computer Memory (LAB)	Open MS Word and create a document on memory units.	This activity enhances the organizational and data management skills of
		Computer – its Components	Discussion of Exercise, question answer and extra question answer	Will Complete the chapter in notebook.
MAY	10	Computer Memory (LAB)	Create a poster 	This activity enhances presentation and computer skills of the students.
		Computer – its Components	Written TEST	Will Revise the Chapter
		Computer Memory	* Primary Memory * Cache Memory * Secondary Memory	Will learn about * The concept of Computer Memory and its Types. They will also understand the importance of Primary (RAM and ROM). * Concept of Computer Memory and its two major types: Primary (RAM and ROM) and Secondary Memory. * Identify the limits of RAM & ROM and explicate the need for secondary memory
		Computer Memory	Discussion of question answer and extra question answer	Will Complete the chapter in notebook.
		Computer Memory	Written TEST	Will Revise the Chapter
		Excel-Creating Worksheet	*Starting Excel	Will be able to:

Excel-Creating Worksheet (LAB)

- Open Excel and create the following worksheet. Now, follow these instructions:
- Choose proper font size and style for the title.
 - Center align the AREA and DENSITY.
 - Change the heading color to green.
 - Change the font style of states to bold and italic.
 - Change the color of AREA cells to yellow and Density cells to blue.
 - Apply a border to the table.
 - Save the workbook as 'Indian States'

	STATE	AREA (km ²)	DENSITY
1	Uttar Pradesh	240,928	828/km ²
2	Maharashtra	307,713	365/km ²
3	Bihar	94,163	1,102/km ²
4	Rajasthan	342,239	201/km ²
5	Gujarat	196,024	308/km ²
6	Punjab	50,362	551/km ²
7	Haryana	44,212	573/km ²
8	Uttarakhand	53,483	189/km ²

SUBJECT INTERGRATION

This integration will make the students understand about the area and population density of some states of India.

Excel-Creating Worksheet (LAB)

Roll No.	Name	Maths	English	S.St.	Computer	Total	Average
1	Rahul	50	70	89	92		
2	Ashok	80	90	92	80		
3	Kamal	76	80	70	75		
4	Sonali	79	75	80	85		
5	Karina	80	75	85	80		
6	Raju	90	70	75	90		
7	Raman	70	90	80	85		
8	Rashi	69	85	90	75		
Subject-wise Average							
Highest Total			Lowest Total				

This activity will enhance the data management skills of the students.

Excel-Creating Worksheet

Discussion of exercise , question answer and extra question answer

Will Complete the chapter in notebook.

Excel - Function and charts

Introduction to Formula

Will Understand what is a formula, cell reference, cell range, operators,

Excel - Function and charts

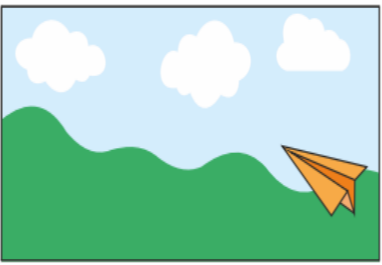
Create an Annual Progress Report and calculate max, min,percentage and average

Will learn how to calculate the avergae, total, maximum, minium and how

Excel - Function and charts

Charts in Excel and Sparklines

To utilize the different types of charts to represent the given values in

AUGUST	12	Excel - Function and charts (LAB)	<ul style="list-style-type: none"> *Create Sparklines * Create a Column * Create a Pie Cha * Apply formatting <table border="1"> <thead> <tr> <th colspan="5">Sales Analysis (2019 - 2021)</th> </tr> <tr> <th>Salesman No.</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>Sparklines</th> </tr> </thead> <tbody> <tr> <td>S531</td> <td>34,620</td> <td>35,490</td> <td>38,000</td> <td></td> </tr> <tr> <td>S532</td> <td>32,000</td> <td>34,500</td> <td>37,000</td> <td></td> </tr> <tr> <td>S533</td> <td>33,000</td> <td>36,700</td> <td>37,000</td> <td></td> </tr> <tr> <td>S534</td> <td>34,200</td> <td>35,900</td> <td>38,000</td> <td></td> </tr> </tbody> </table>	Sales Analysis (2019 - 2021)					Salesman No.	2019	2020	2021	Sparklines	S531	34,620	35,490	38,000		S532	32,000	34,500	37,000		S533	33,000	36,700	37,000		S534	34,200	35,900	38,000		Will able to revise the chapter
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		Excel - Function and charts	Discussion of question answer and extra question answer	Will Complete the chapter in notebook.																														
		Excel - Function and charts	Written TEST	Will Revise the Chapter																														
SEPTEMBER	8	Revision	TERM 1 Revision	Preparation of Exam																														
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OCTOBER	10	Adobe Animate- introduction	*Starting Adobe Animate	Get interested in the Adobe Animate software and enjoy creating their																														
		Adobe Animate- introduction (LAB)	Drawing tools in Adobe Animate	Able to make use of different drawing tools and create objects. Can differentiate between different drawing tools and their purposes. To use different drawing tools and create images.																														
		Adobe Animate- introduction	Drawing tools in Adobe Animate Continue	Able to make use of different drawing tools and create objects.																														
		Adobe Animate- introduction (LAB)	Follow the instructions given below:  <ol style="list-style-type: none"> Draw an image which includes sky, clouds, grassland and a paper plane by using various tools of Animate and color it. Save the image as 'Sky' 	Subject Integration ART This integration will make the students learn about drawing composition skills.																														
		Adobe Animate- introduction	Discussion of question answer and extra question answer	Will Complete the chapter in notebook.																														
		Adobe Animate- introduction	Written TEST	Will Revise the Chapter																														
NOVEMBER	8	Google Apps	Introduction to Google	Will be able :																														
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		Google Apps (LAB)	Create a document on the topic 'Google'	Will Revise the Chapter through activity																														
		Google Apps	Discussion of question answer and extra question answer	Will Complete the chapter in notebook.																														
		LAB	Search Engine																															
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		Google Apps	Written TEST	Will Revise the Chapter																														
DECEMBER	10	Internet Services and safety	*Internet	Will be able to																														
		Internet Services and safety	*Searching information on internet	Will be able to																														
		Internet Services and safety	Search about the cybercrime and cybersecurity and create a newspaper (article) on it	Will be able to learn about social values.																														
		Internet Services and safety	Discussion of question answer and extra question answer	Will Complete the chapter in notebook.																														
		Internet Services and safety	Written TEST	Assessment of Student																														
		Python — Introduction	Programming Language	Understand about programming language and Python																														
		Python — Introduction	Features of Python	Will able to to install Python and introduce them with the Python window																														

JANUARY	8	Python — Introduction	okens and its types: indentifiers, delimiter, keywords, literals, operators, Datatypes,	Will able to learn about basics of Python
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		Python — Introduction (LAB)	PROGRAMS TO UNDERSTAND INPUT() AND PRINT()	will be able to create programs in Python on their own with minimum
		Python — Introduction (LAB)	Python Programs	will be able to create programs in Python on their own with minimum
		Python — Introduction (LAB)	Python Programs	will be able to create programs in Python on their own with minimum
		Python — Introduction	Written TEST	Assessment of Student
FEBRUARY	10	Fields of Artificial Intelligence	*Artificial Intelligence	will be able to explain the categories of AI and can also explain
		Fields of Artificial Intelligence	*AI Ethics	will be able to explain the categories of AI and can also explain
		Fields of Artificial Intelligence	Discussion of question answer and extra question answer	Will Complete the chapter in notebook.