

Month & No. of Teaching Days	Units	Sub-Units	Learning objectives	Activities Planned	Learning Outcomes	Assessment/Recap
TERM - 1						
April (17days)	Ls-9 Cyber Tools	<ul style="list-style-type: none"> • Cloud Computing • Google drive • One Drive • Google Maps 	To educate children on various services available on the internet	<p>Online sharing of files and folders</p> <ul style="list-style-type: none"> -Google drives -One drive <p>Web Mapping service</p> <ul style="list-style-type: none"> -Google Maps <p>Application based questions discussions</p>	<p>The students will be able to</p> <ul style="list-style-type: none"> - share files and folders using online sharing services - Students will learn about using google maps 	<p>PowerPoint presentation on use and options available in Google maps</p> <p>MCQs, short notes and Question and answers</p>
June (20days)	Ls-10 Cyber Threats and Security	<ul style="list-style-type: none"> • Cyber crime • Cyber crimes against an individual person • Cyber crimes against property • Cyber crimes against organization /society • Cyber security 	To create awareness on various types of challenges & threats associated with the use of network/ internet	<p>Discussion on Cyber threat</p> <p>Discussion on various cybercrimes with examples</p> <p>Application based questions discussions</p>	<p>Students will be able to understand</p> <ul style="list-style-type: none"> - Cyber crimes in detail - Types of Virus - Antivirus <p>Students will learn how to protect their system</p>	<p>PowerPoint presentation on Different types of virus and their harmful effects</p> <p>Collecting and preparing PowerPoint presentation on real time case or news article on cybercrimes and its solution</p> <p>MCQs, short notes and Question and answers Slip Test 1</p>

<p>July (24 days)</p>	<p>Ls-2 Using Excel as a Database</p>	<ul style="list-style-type: none"> • Using a form to enter data • Adding searching & deleting a record in a form • Sorting & Filtering data • Using advanced filters and data Validation • Adding Subtotal in Database Analysing data with pivot table 	<p>To educate children on database using Excel</p> <p>To provides all the steps necessary to get started with the Excel data entry form</p>	<p>Hands on practice to work on data:</p> <ul style="list-style-type: none"> • To create a form to enter personal data of your contact (first name, last name, mobile no., email id, city, state, pincode) 	<p>Students will learn:</p> <ul style="list-style-type: none"> - To organize, retrieve, sort and edit data as per requirement using Excel - To Filter data - Analysing data with pivot tables 	<p>Practice in excel:</p> <ul style="list-style-type: none"> • To create a form to enter employee details and work on data • To create and record sales of a company and work on data • To create and record the student wise details and marks and work on data
<p>August (21 days)</p>	<p>Ls- 3 Advanced features of Excel</p>	<ul style="list-style-type: none"> • Chart and its components • Chart types • Creating chart • Chart elements • Formatting chart • Combo charts • Sparklines • Using Goal seek • Grouping worksheets • Consolidating data 	<p>To educate children on advance features of Excel</p> <p>Learn about creation charts in Excel</p> <p>Learn about grouping and data consolidation in Excel</p>	<p>Hands on practice:</p> <p>Creating & Formatting on Excel Charts</p> <p>Combination of Charts in Excel</p> <p>Using Goal seek</p> <p>Grouping Worksheets</p> <p>Consolidating data</p>	<p>Students will learn and will be able to work on:</p> <ul style="list-style-type: none"> - Excel Charts - Grouping worksheets - Data consolidation 	<p>Practice in excel:</p> <ul style="list-style-type: none"> • Simple excel chart creation on sales of any item • Example on combination chart • Example on data consolidation • Example on What if analysis • Worksheet 1

September (12 days)	Revision Term 1					
TERM – 2						
October (11 days)	Ls-6 More on Python	<ul style="list-style-type: none"> Algorithm Flowchart Types of operators in Python Operators of Precedence Types of Control Structures Conditional statements in python 	<p>Children will learn:</p> <p>How to use operators to perform arithmetic and logical operations in Programming</p>	<p>Hands on practice:</p> <p>Drawing flowcharts</p> <p>Writing Algorithms</p> <p>Writing Python programs</p> <ul style="list-style-type: none"> Program to find area and circumference of circle 	<p>Students will be able:</p> <ul style="list-style-type: none"> To write Python programs using operators & conditional statements 	<p>Practice Python:</p> <ul style="list-style-type: none"> Programs using operators Program to display string Programs using if statement <p>Write the output of the program</p> <p>Rewrite the programs after correcting the errors</p>
November (19 days)	Ls-7 Introduction to HTML 5	<ul style="list-style-type: none"> What is HTML & its history Tools to be used Creating an HTML document Tags elements & attributes Rules for writing HTML HTML document structure Common HTML elements 	<p>Children will understand basic web designing tags in HTML</p> <p>Children can create simple static webpages</p>	<p>Hands on practice:</p> <p>Writing and executing basic HTML programs using various HTML elements, tags & attributes</p>	<p>Students will be able:</p> <ul style="list-style-type: none"> To create simple webpages using basics of HTML 	<p>Practice HTML Programs</p> <p>Creating simple web pages by using different styles of font, inserting picture, changing background, applying different heading styles</p>

<p>December (23 days)</p>	<p>Ls-7 One subtopic</p> <p>Ls-8 More on CSS 3</p>	<ul style="list-style-type: none"> • Cascading Style sheets • In line style • Text properties • Font Properties 	<p>Children will further enhance the knowledge and skills on HTML Cascading Style sheets -CSS</p>	<p>Hands on practice:</p> <p>Writing and executing basic HTML programs using CSS</p>	<p>Students will be able:</p> <ul style="list-style-type: none"> - To create webpages using different text properties, Font properties 	<p>Practice HTML Programs</p> <p>Creating webpages as instructed using different styles & properties in HTML</p>
<p>January (17 days)</p>	<p>Ls-8 More on CSS 3</p>	<ul style="list-style-type: none"> • Margin Properties • Border Properties • Revision 	<p>Children will further enhance the knowledge and skills on HTML Cascading Style sheets -CSS</p>	<p>Hands on practice:</p> <p>Writing and executing basic HTML programs using CSS</p>	<p>Students will be able:</p> <ul style="list-style-type: none"> - To create webpages using margin and border properties 	<p>Practice HTML Programs</p> <p>Creating webpages as instructed using different styles & properties in HTML</p> <p>Worksheet 2</p>
<p>February (16 days)</p>	<p>Revision Term 2</p>	<ul style="list-style-type: none"> • Revision 				
<p>March (2 days)</p>						