

## CODING

**CLASS -VI**

**2022-23**

Date	Chapter	Ex./ Demo./Practicals
<b>Important links</b>	<b>Student HandBook-</b> <a href="https://cbseacademic.nic.in/web_material/codeingDS/classVI_Coding_Student_Handbook.pdf">https://cbseacademic.nic.in/web_material/codeingDS/classVI_Coding_Student_Handbook.pdf</a>	<b>Project Booklet for Student -</b> <a href="https://www.microsoft.com/en-us/makecode">https://www.microsoft.com/en-us/makecode</a> <a href="https://cbseacademic.nic.in/web_material/codeingDS/classVI_Coding_Project_Booklet.pdf">https://cbseacademic.nic.in/web_material/codeingDS/classVI_Coding_Project_Booklet.pdf</a>
<b>April</b>	<b>INTRODUCTION TO CODING</b>	Practicals Based on Demo
No.of working days-23	How do traffic lights work?	
	Where else do we see applications of coding?	
	What exactly is coding?	
	What is a programming language	Quiz Time
<b>May</b>	<b>ALGORITHMS WITH BLOCK CODING</b>	Activity – Profit and Loss using Flowcharts
No.of working days- 10	1. Searching for a word in a dictionary 2. Flowchart a. What is a Flowchart? b. Symbols used created a Flowchart c. Benefits of using a flowchart 3. Activity – Profit and Loss using Flowcharts	Quiz Time Practicals Based on Demo
<b>July</b>	<b>ALGORITHMS WITH BLOCK</b>	Activity – Profit and Loss using pseudocode
No.of working days-25	4. What is a Pseudocode 5. Activity – Profit and Loss using pseudocode 6. Getting Started with Block Coding	
	<b>VARIABLES USING BLOCK CODING</b> 1. What are Variables? 2. Naming Variables	
<b>August</b>	<b>VARIABLES USING BLOCK CODING</b>	Activity: Addition operation using block coding Quiz Time
No.of working days-22	3. Data Types in Variables 4. Performing operations	
<b>September</b>	<b>CONTROL WITH CONDITIONALS</b>	Practicals Based on Demo Quiz time
No.of working days-25	Arranging blocks Logical Operators a. And operator b. OR operator c. Not operator	
	Combining logical operators	

<b>October</b>	<b>CONTROL WITH CONDITIONALS</b>	
No.of working days-18	Relational operators	Practicals Based on Demo
	Greater than	
	Equal to	
	Less than	
	Greater than or equal to	
	Less than or equal to	
	Not equal to	
	Activity: Are you a teen?	
<b>November</b>	<b>CONTROL WITH CONDITIONALS</b>	Activity: Dynamic backgrounds
No.of working days-24	Nested Conditional Statements	Activity: The remainder problem
	Activity: The remainder problem	
<b>December</b>	<b>Loops using block coding</b>	
No.of working days-26	Introduction to Loops	Practicals Based on Demo
	Increment Loops	
	Different types of loops	
	While loop	
	For loop	
<b>January</b>	<b>Loops using block coding</b>	
No.of working days-13	The Nested Loop	Activity: Building a music player
	Entry Criteria	Activity: A tale of two villages
	Break Statement	
	Exit Criteria	
	Continue statement	
<b>February</b>	<b>Submission and assessment of the projects</b>	
No.of working days-22		
<b>Note: The students will be assessed on the basis of the classroom performance, task assigned as Home Assignments / Holiday Homework / Project.</b>		