



BLOOM PUBLIC SCHOOL
C-8 Vasant Kunj, New Delhi
Syllabus for the Session 2025-26

Class: VI

Subject: Coding

MONTH	Content(Topics) (Class VI Coding Handbook)	Practical/Activities
April	Fundamentals of Computer <ul style="list-style-type: none"> ● Hardware ● Software ● Input Devices, Output Devices, Storage Devices Introduction to Coding <ul style="list-style-type: none"> ● What is coding? ● Ethical practices for coding ● How do Traffic Lights Work? ● Where else do we see applications of coding? ● What is a programming language? Google Drive <ul style="list-style-type: none"> ● About Google Drive ● How to upload file ● How to create a New Folder ● How to make a folder sharable 	Practical on Google Drive
May	Problem Solving and Programming Languages <ul style="list-style-type: none"> ● Algorithm ● Characteristics of Good Algorithm ● Uses of an Algorithm ● Writing an Algorithm ● Defining Flowcharts ● Solving Problems using Algorithms and Flowcharts ● Language Translator ● Working of Language Translator Algorithm with Block Coding <ul style="list-style-type: none"> ● Searching for a word in a dictionary ● Pseudocode ● Programs in Code.org Google Docs <ul style="list-style-type: none"> ● Difference between Editing/Formatting ● Using Spell and Grammar Check ● Alignment of text. ● Adding Bullets/Numbers. 	Programs in Code.org

July	Variables Using Block Coding <ul style="list-style-type: none"> • What are Variables? • Naming Variables • Data Types in Variables- Integer, Floating Google Docs <ul style="list-style-type: none"> • Paragraph Formatting • Typing with different text colors. • Difference between text color & highlight color. Internet <ul style="list-style-type: none"> • The Internet • World Wide Web • How the Web Works? • Using Web Browser • Using URLs • Services of Internet 	Programs in Code.org
August	Introduction to Small Basic <ul style="list-style-type: none"> • Opening Small Basic • Small Basic Environment • Creating your First Small Basic Program • Saving a Program • Running a Program • Opening a Program • Sharing a Program • Elements of Small Basic programming • Statements • Maths Library Functions • Sample programs 	Programs in Small Basic

September	Google Docs <ul style="list-style-type: none"> • Inserting images • Inserting the Shapes • WordArt • Inserting a Table Recap of Variables in Block Coding	Practical in Google Docs
October	Variables Using Block Coding <ul style="list-style-type: none"> • Data Types in Variables • Performing Operations on Variables Control with Conditionals <ul style="list-style-type: none"> • Logical Operations – AND/OR/NOT • Combining Logical Operators • Relational Operators Introduction to HTML <ul style="list-style-type: none"> • About HTML • Features Of HTML • History Of HTML 	Coding in Code.org

November	Control with Conditionals <ul style="list-style-type: none"> • Nested Conditional Statements • Loops using Block Coding • Introduction to Loops • Increment Loops Introduction to HTML <ul style="list-style-type: none"> • Versions Of HTML • How HTML works • How to create an HTML Document 	Programs in Code.org
December	Control with Conditionals <ul style="list-style-type: none"> • Entry Criteria • Exit Criteria • Break and Continue Loops • Nested Loops 	Programs in Code.org
January	Introducing Python <ul style="list-style-type: none"> • Introduction- Features and Applications • Downloading and Installing Python • Modes of python 	Practical of how to open Python
February	Revision	
March	Annual Exam	
MID TERM EXAM <ul style="list-style-type: none"> • Fundamentals Of Computer • Introduction to Coding • Google Drive • Problem Solving and Programming Languages • Algorithm with Block Coding • Google Docs • Variables Using Block Coding • Internet • Introduction to small Basic 		

ANNUAL EXAM <ul style="list-style-type: none"> • Variables Using Block Coding • Control with Conditionals • Introduction to HTML • Introducing Python
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