Class: VIII

Subject: Coding

MONTH	Content(Topics) (Class VIII Coding Handbook)	Practical/Activities
April	**Conditionals in Details** ● IF-ELSE and ELSE-IF statement ● Logical Statements **Cloud Computing** ● Introduction ● Advantages and Disadvantages ● Creating an account in Gmail ● Sending and Receiving e-mail	● Codes in code.org
May	**Conditional in Details** ● Practice Challenges ● Nested Conditional Statements **Google Drive and Cloud space** ● How to upload and delete file ● How to create a New Folder and make it shareable ● Storing data on Google Drive ● Different cloud space available and its use	● Codes in code.org
July	**Computer Networking** ● Computer Network ● Need for Computer Network ● Components of a Network ● Devices required for a Network ● Types of Network ● Topology ● Wireless Networking Technology ● Protocols **Get Creative with Loops** ● Loops ● Exit criteria ● Break and Continue Loop	● Codes in code.org

August	**Functions in Depth** ● Recap of functions ● Function Parameters ● Returning value from a function **More on HTML** ● Inserting Images ● Creating Marquee ● Linking Web Pages ● Frames	● HTML Codes
September	**Functions in Depth** ● Returning value from a function	● Codes in code.org
October	**Programming with Arrays** ● What are Collections and Arrays? ● What is sorting of an Array? ● What is searching in an Array?	● Codes in code.org ● Google Sheets

	● Apply the concept of Arrays in block coding and arranging an array. **Google Sheets** ● Change, Delete, Copy, Move Cell Content ● Adjust Row Height/Column Width ● Merge Cells ● Applying borders	
November	**Advanced Sequencing** ● What is a sequence? ● Sequencing with Loops and Conditions **Google Sheets** ● Calculations with formulas (+, -, *, /) ● Insert - Cells/Rows/Columns ● Chart/ images ● Sorting of Sheet **More on Python** ● Operators in Python ● Operator Precedence ● Conditional Statements	● Codes in code.org ● Google Sheets
December	**Data Science** ● Data Science and Data scientist ● Uses of Data Science ● Stages ● Advantages and Disadvantages ● Applications ● Examples	● Programs in Python

	Loops in Python ● Iterative Statements ● Types of Iterative Statements ● Infinite Loop ● Conditional Statements	
January	**More on Python** ● Programs in Python	● Programs in Python
February	Revision	
March	Annual Exam	

MID TERM EXAM

Conditionals in Details
Cloud Computing and Google Drive
Computer Networking
Get Creative with Loops
Functions in Depth
More on HTML

ANNUAL EXAM

Programming with Arrays
Google Sheets
Advanced Sequencing
Data Science
Loops in Python