BOKARO PUBLIC SCHOOL
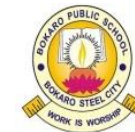
Affiliated to CBSE, New Delhi, Upto +2 Level
SECTOR-3/C, BOKARO STEEL CITY -827003

SYLLABUS   2025-2026

SUB TEACHER: Ms. Srishti Suman

CLASS: 7

SUB: COMPUTER SCIENCE

S. No.	Month	W/D	Lesson Structures	Activity
1	April	22	**Chapter – 1 , Number System** - Introduction to the Number System - Understand different types of number system - Conversion of Decimal to Binary Number system and vice versa - Computer Arithmetic	- Prepare the working model on the topic **"Conversion of the Decimal number system to the different number systems."**
2	May	7	**Chapter – 2 , Charts in Excel** - Understanding the charts and their elements. - Learn how to create charts in MS Excel - Learn about the different types of charts. - Understanding how to do editing and formatting in a chart.	- Create the MS Excel record of student's marks sheet and create the charts according to it. - Try to use the different types of charts in MS Excel.
3	June	15	**Chapter – 3 , Tables and Charts in PowerPoint** - Introduction to the PowerPoint - Inserting the table in PowerPoint - Styling the Table - Different Categories of Charts - Modifying the Charts	- Demonstration of the steps to insert tables in a presentation. - Demonstration of the steps to insert charts in a slide.
4	July	23	**Chapter – 4 , Introduction to HTML5 and CSS** - Introduction to HTML and its features - Creating and viewing HTML documents - HTML tags - HTML structure - Using CSS, its types	- Create the HTML page to print the message - Create the HTML page with the help of different Cascading Style Sheet. - Create the HTML page and using CSS selectors.
5	Aug	18	- CSS Properties **Chapter – 5 , More on HTML** - Learn how to insert images in HTML. - Understanding the types of linking. - Learn about the types of images. - Learn how to create hyperlinks - Learn about the attributes of the IMG tag	- Create the Web pages with the help of list, images and links to make it attractive. - Create the HTML pages with the help of Absolute and Relative Url
6	Sep	9	**Revision+ Half Yearly Exam**	

7	Oct	12	**Chapter – 6 , Paint Tools in GIMP** - Introduction to Image editing software. - Features of GIMP - Learn how to use Paint tools in GIMP - Learn to use filters in GIMP - Saving the image in GIMP. **Chapter – 7 , Basics of Python** - Introduction Python programming language	- Introduction to GIMPS software. - Use of bucket fill tool , fill colour in an area - Gradient Tools , Paintbrush Tools - Use of Airbrush Tool, Ink tool and Clone tool - Use of Heal tool, Blur/Sharpen Tool - Use of Dodge/Burn Tool - Use of Filters
8	Nov	20	- Learn about indentation - Understanding the types of variables and data types in Python - Learn about various operators in Python - Learn about token and various functions in Python **Chapter – 8 , Internet Services** - Introduction to Internet - Internet services and ways to connect to Internet	- Write a program to display the product of two numbers using variables. - WAP to calculate the modulus, exponent. - WAP to find the area of a circle - WAP to calculate the simple interest, average. - WAP to swap the two numbers.
9	Dec	19	- Internet service providers and following safety rules using Internet **Chapter – 9 , App Development** - Introduction to apps - Designing the interface, Making app functional - Types of apps , adding functionality to components - Using MIT app inventor	- Explain to students the components of App Inventors
10	Jan	17	**Chapter – 10 , Future Scope of Artificial Intelligence** - Understand the fundamentals of AI and its need. - Understand the possibilities and scope of AI - Understand how AI is shaping future and the future of AI	- Enlist those concerns that indicate that artificial intelligence can have an impact on the essential elements of human.
11	Feb	15	**Revision + Annual Exam**	

Prescribed Book   : 'Game Changer' by Survi Books International

Date of Submission: 05.04.2024

Teacher Name : Ms. Srishti Suman