

# BOKARO PUBLIC SCHOOL

SECTOR-III/C,B.S.CITY  
SYLLABUS SESSION 2026-27

<u>Class-VII</u>				Subject- Computer		
<u>Sl.No</u>	<u>MONTHS</u>	<u>W/D</u>	<u>Sub</u> <u>WD</u>	<u>CHAPTER'S NAME</u>	<u>PAGE</u> <u>NO.</u>	<u>ACTIVITY</u>
<u>1</u>	<u>April</u>			<u>Ch 1. Number Systems</u> <u>Decimal Number System</u> <u>Binary Number System</u> <u>Conversion</u> <u>Octal Number System</u> <u>Hexadecimal Number System</u> <u>Computer Arithmetic</u>  <u>Ch 2. Charts in Excel</u> <u>Elements of a Chart</u> <u>Types of Excel Charts</u> <u>Creating a Chart in Excel</u> <u>Creating a Combo Chart in Excel</u>		<b>Activity:</b> "Class Survey to Chart"  Students collect real data (favorite subject, marks, etc.) <b>Create:</b> Bar chart Pie chart Combo chart  <b>Covers:</b> Creating chart, types, formatting, resizing  <b>Output: Screenshot of charts</b>
<u>2</u>	<u>May</u>	<u>6</u>	<u>2</u>	<u>Ch 2. Continues</u> <u>Editing and Formatting a Chart</u> <u>Resizing a Chart</u> <u>Deleting a Chart</u>		
<u>3</u>	<u>June</u>			<u>Ch 8. Internet Services</u> <u>What is Internet?</u> <u>Ways to Connect to the Internet</u> <u>Internet Services</u> <u>Online Conferencing</u> <u>Following Safety Rules While Using</u> <u>the Internet</u>		<b>"Activity:</b> "Safe Internet Checklist"  <b>Students:</b> Research internet services Create safety poster or doc"
<u>4</u>	<u>July</u>			<u>Ch 4. Introduction to HTML5 and</u> <u>CSS</u> <u>Creating and Saving an HTML</u> <u>Document</u> <u>Using Text Editor</u> <u>Viewing an HTML Document</u> <u>HTML Tags</u> <u>Structure of an HTML Document</u> <u>Disadvantages of HTML</u>		<b>Activity: "Create Your First</b> <b>Webpage"</b>  <b>Students create:</b> Basic HTML structure Use tags + CSS styling <b>Must Include:</b> Heading Paragraph

				<u>Need of CSS</u> <u>Cascading Style Sheets (CSS)</u> <u>Using CSS</u> <u>Types of CSS</u> <u>CSS Selectors</u> <u>CSS Properties</u>		<b>Color styling (CSS)</b>  <b>Covers:</b> HTML structure, tags, CSS, selectors
<u>5</u>	<u>August</u>	<u>19</u>	<u>6</u>	<u>Ch 5. More on HTML</u> <u>Inserting Images in HTML</u> <u>The &lt;IMG&gt; Tag</u> <u>CSS Image Properties</u> <u>Creating Hyperlinks in HTML</u>		
<u>6</u>	<u>Sep</u>	<u>19</u>	<u>6</u>	<u>Revision of Half Yearly Examination</u>		
<u>7</u>	<u>Oct</u>	<u>14</u>	<u>5</u>	<u>Ch 3. Tables and Charts in PowerPoint</u> <u>Starting MS PowerPoint</u> <u>Creating a Table</u> <u>Typing Data in a Table</u> <u>Table Tools</u> <u>Charts in PowerPoint</u> <u>Different Categories of Charts</u> <u>Inserting a Chart</u> <u>Chart Tools</u> <u>Modifying a Chart</u>  <u>Ch 6. Paint Tools in GIMP</u> <u>The Bucket Fill Tool</u> <u>The Gradient Tool</u> <u>The Paintbrush Tool</u> <u>The Eraser Tool</u>		<b>Activity:</b> “Mini Presentation Creation”  <b>Students create PPT with:</b> Table (marks data) Chart (visual representation)  <b>Covers:</b> Tables, charts, inserting & modifying
<u>8</u>	<u>Nov</u>	<u>16</u>	<u>6</u>	<u>Ch 6. Continues</u> <u>The Airbrush Tool</u> <u>The Ink Tool</u> <u>The Clone Tool</u> <u>The Heal Tool</u> <u>The Blur/Sharpen Tool</u> <u>The Smudge Tool</u> <u>The Dodge/Burn Tool</u> <u>Using Filters</u>  <u>Ch 7. Basics of Python</u> <u>Indentation in Python</u> <u>Character set in Python</u> <u>Tokens in Python</u>		

<u>9</u>	<u>Dec</u>			<u>Ch 7. Continues</u> <u>Understanding Variables</u> <u>Data Types</u> <u>Operators in Python</u> <u>Basic Functions in Python</u> <u>Adding Comments</u> <u>Solved Programs</u>  <u>Ch 9. App Development</u> <u>Downloading and Installing Apps</u> <u>Types of Apps</u> <u>Developing a Mobile App</u>		<b>Activity:</b> <b>"Basic Python interaction"</b>
<u>10</u>	<u>Jan</u>	<u>17</u>	<u>6</u>	<u>Ch 9. Continues</u> <u>Components of MIT App Inventor</u> <u>Designing the Interface</u> <u>Making the App Functional</u> <u>Adding Functionality to</u> <u>Components</u> <u>Testing and Running the App in</u> <u>Emulator</u>  <u>Ch 10. Future Scope of Artificial</u> <u>Intelligence</u> <u>Why Do We Need Artificial</u> <u>Intelligence?</u> <u>Purpose of Artificial Intelligence</u> <u>Possibilities of Artificial Intelligence</u> <u>Scope of Artificial Intelligence</u> <u>Autonomous Vehicles</u> <u>Future of Artificial Intelligence</u> <u>Can Artificial Intelligence Dominate</u> <u>Humans?</u>		<b>Activity:</b> <b>"AI Idea Pitch"</b>  <b>Groups pick a problem:</b> <u>Traffic</u> <u>Education</u> <u>Suggest AI solution</u>  <b>Output:</b>  <u>2-minute pitch</u> <u>Poster or slide</u>
<u>11</u>	<u>Feb</u>	<u>19</u>	<u>7</u>	<u>Revision of Annual Examination</u>		