

**ANNUAL CURRICULUM PLAN
2020 – 2021**

**COMPUTER SCIENCE
CLASS VI**

Vision

- *To acquaint students with the Computer System and its various I/P and O/P devices.*
- *To develop the intellectual, creative and thinking capabilities through the use of computer technology.*
- *To inculcate among students the zeal to handle large amount of data with efficiency and speed.*
- *To make students understand the benefits and drawbacks of using technology in their day to day life.*

TERM PERIOD - APRIL TO SEPTEMBER

Chapter	Learning Topics	Transaction Strategies/ Innovative Pedagogy	Learning Outcomes	Core Skills/Art Integration
Ch- 1: More About Computers	Introduction, Types of computers, Computer Language: Low Level Language and High-level Language, Translator Programs, Computer Capabilities	Dividing the class in two teams & asking them to describe Microcomputers and Mini Computers. Conducting a quiz to find out the difference between HLL and LLL. Youtube videos: https://youtu.be/WYz62KKCF7k https://youtu.be/_2btyCHR6s Group discussion	Students will be able to understand various types of computers and their usage in their daily lives and difference between Compiler and Interpreter. They will inculcate the value of helping others with the use of discussion method.	Core Skills: Analytical skills, Critical Thinking Art Integration: Prepare a list of types of computers that you have seen in real life
Ch-2: File Explorer	Introduction, Components, Types of Views, Organizing files/folders in File Explorer, File Formats	Stating examples related to their lives for explaining the components of a file Explorer window like why they have an address in real life similarly we have address bar. Practical demonstration of types of views and various features of File Explorer. Demonstration via Screen Share option of Google meet Discussion Method	Students will be able to understand the usage of file explorer in daily life. They will also learn about various file formats. They will learn not to copy/cheat from anyone in any aspect of life as they have security options in File Explorer.	Core Skills: Critical Thinking, Team Building, Observation skills Art Integration: Try to rename a file/folder and view its usage
Ch-3: Exploring MS Word 2016	Concept of MS Word, Header and Footer, Footnote and Endnote, Hyperlinks, Bookmark	Asking students to create a birthday invitation card in MS Word & then helping them to learn about header & Footer. Explaining the concept of hyperlinks and bookmark. Youtube video https://youtu.be/ruhiWjLRX8Q PPT on "Features of MS Word" Demonstration via Screen Share option of Google meet	Students will get to know about the usage of MS Word in their daily lives and will be made aware of Header & Footer, Hyperlinks and bookmark. They will learn to use the technology correctly and responsibly. The sense of Responsibility will be developed in them.	Core Skills: Decision making, Creative skills Art Integration: Prepare a Birthday Card using the features of MS Word

TERM PERIOD - OCTOBER TO FEBRUARY

Ch-4: More on MS Word 2016	Introduction, Page Setup, Page Background, Paragraph Formatting, Setting Drop Cap, Finding and Replacing text, Mail Merge	Students will be given a task to prepare a letter to be sent to 15 friends using mail merge feature. Youtube video https://youtu.be/4dozr7K2_9Y Demonstration via Screen Share option of Google meet Learning by doing	Students will be able to understand the relevance of MS Word in their day to day lives. They will be made aware about page background, paragraph formatting. Their thinking power and creativity will be enhanced with the use of Word.	<p>Core Skills: Analytical skills, Observation skills, Creative Thinking</p> <p>Art Integration: Prepare a Summary of any Chapter of English using various features of MS Word</p> <p>Interdisciplinary Linkages: English</p>
Ch-5: Introduction to MS Excel 2016	Introduction, Selecting/Deselecting cells, Editing Cell Contents, Inserting Cells, Deleting Cells, Inserting/Deleting rows/columns, Auto Fill	Students will be given a task to prepare a list of friends consisting of Name, Date of Birth, Address & Phone on paper and then they will be introduced to MS Excel & will make the same list in Excel making them aware about various features of Excel. Group Discussion Demonstration via Screen Share option of Google meet Youtube video https://youtu.be/We880oTkaNs Learning by doing	Students will be made familiar with the term MS Excel, its features & components. They will also understand how to insert/delete cells or rows & columns and Auto Fill option. The sense of dealing with difficulties with ease will be inculcated in students.	<p>Core Skills: Problem solving, Analytical reasoning, Decision making</p> <p>Art Integration: Create a list of some vegetables with their price using features of Excel</p> <p>Interdisciplinary Linkages: Mathematics</p>
Ch-6: Formatting Data in MS Excel 2016	Introduction, Formatting Text, Border & Background Colors, Wrap Text, Create Header and Footer	Once the students have made the list in Excel, now they can select a word and change its font, size & color. They will be shown a ppt to create header and footer in Excel. Youtube video https://youtu.be/TKY_AuLMQIc Demonstration via Screen Share option of Google meet Learning by doing	Students will get to know how to select data or word & format it in many ways. They will also understand the functioning of Wrap Text.	<p>Core Skills: Decision making, Problem solving, Analytical reasoning</p> <p>Art Integration: Create a list of some vegetables with their price using features of Excel</p> <p>Interdisciplinary Linkages: Mathematics</p>
Ch-7: Formulae in MS Excel 2016	Simple Formula, Operators in MS Excel, Text Formula, Functions in Excel	Asking students to create a fruit price list in MS Excel then demonstrating the concept and usage of different formulas & functions available in excel. Demonstration via Screen Share option of Google meet PPT on "Functions in Excel" Learning by doing	Students will learn about the concept and usage of various formulas & functions available in Excel. The sense of dealing with difficulties with ease will be inculcated in students.	<p>Core Skills: Problem solving, Analytical reasoning, Critical thinking</p> <p>Art Integration: Create a list of grocery products bought with their price and calculate the total amount using SUM function</p> <p>Interdisciplinary Linkages: Mathematics</p>