Teacher’s Name :- ` School :-

Year :- 2022 Subject :- Information & Communication Technology

Grade :- 06

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| **Competency** | **Competency Level** | **Content** | **Learning Outcomes** | **Duration / Periods** | **Expected Date** | **Taught Date** | **Others** |
| 1. Appreciates the importance of computers | 1.1 Explains the functions of the computer and its characteristics | * Basic components of computer- Input, Processing, Output, Storage * Computer vs. Human * Speed and Efficiency * Accuracy * Reliability * Consistency * Capacity of storage * Cost * Intelligence * Devices with embedded computers * Mobile Phones * Modern Televisions * Washing Machines * Automobiles | i. Identifies the components of a computer  ii. Elaborates its role in different environments  iii. Lists the functions and characteristics of a computer  iv. Identifies the devices with embedded computers | 1 |  |  |  |
|  | 1.2 Identifies computer components | * CPU * Memory * Input/ Output devices * Storage devices * Communication devices | i. Identifies CPU in a computer  ii. Lists various input devices  iii. Lists various output devices  iv. Lists various storage devices  v. Lists various communication devices | 2 |  |  |  |
|  | 1.3 Describes the need for software | * Need of software * Examples of software * Games * Media player * Drawing software | i. Explains the need of software  ii. Lists various software | 1 |  |  |  |

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|  | 1.4 Appreciates the use of computer to carry out routine work | * Identification of areas of applications (educational software, library management system etc.) in the school and other fields * Role of computer in * schools * banks * hospitals * factories * farms | i. Describes potential application areas in | 1 |  |  |  |
| 2. Appreciates the need of using computers safely | 2.1 Uses computer lab properly | * Good practices to follow * Keeping the lab dust free * Avoiding food and drinks in the lab * Leaving the items used in the lab in proper order | i. Comprehends the good practices in the lab  ii. Follows the good practices in the lab | 1 |  |  |  |
|  | 2.2 Uses computers and peripherals safely | * Correct steps to Start/Shutdown the computer * Ethics of using the computer * Correct posture to minimize health issues * Management of e-waste (Safe disposal of computer hardware) * Use of passwords to avoid unauthorized access | i. Follows the correct steps to Start/ Shutdown the computer  ii. Uses the computer ethically  iii. Safely disposes the obsolete computers/peripherals  iv. Understands and practices the safe use of computers | 1 |  |  |  |
| 3. Uses operating systems | 3.1 Handles files | * File handling using a simple drawing software * Create * Save * Open * Edit * Close * Minimizing / Maximizing / Resizing of a window | i. Creates and saves a file  ii. Opens and edits a file  iii. Practices to maximize/ minimize/ resize a window | 2 |  |  |  |
| 4. Uses application software appropriately | 4.1 Uses text editing and drawing software effectively | * Use of drawing software to use the mouse properly * Use of typing software to develop keyboard skills | i. Uses mouse and keyboard effectively  ii. Types using correct finger movements  iii. Draws pictures with mouse | 5 |  |  |  |
|  | 4.2 Uses audio software and video software effectively | * Use of audio software to create an audio clip * Use of video software to create a video clip | i. Creates an audio file  ii. Creates a video file | 2 |  |  |  |
| 5. Appreciates the concept of algorithms and develops simple programs | 5.1 Relates practical problem solving process to an algorithm | * Making of a composition according to a recipe (Ex. Making a cake) | i. Identifies process of problem solving as a series of steps | 2 |  |  |  |
|  | 5.2 Draws flowcharts to explain a process | * Introduction to flowchart symbols * Start/Stop * Input/ Output * Process * Flowcharts to explain simple sequential processes of day to day tasks | i. Identifies flowchart symbols  ii. Represents a process with a flowchart. | 3 |  |  |  |
| 6. Appreciates the Internet for information gathering and communication | 6.1 Identifies Internet as a collection of shareable pool of information resources | * Introduction to the Internet * Accessing educational websites to practice browsing | i. Defines the Internet  ii. Accesses the Internet  iii. Obtains information through educational web sites | 3 |  |  |  |
|  | 6.2 Uses search engines to obtain information | * Introduction to search engines * Information searching on a specific topic using Search Engines | i. Lists different Search Engines  ii. Obtains information using  Search Engines | 5 |  |  |  |
|  | 6.3 Uses computers and data safely and securely | * Application of access control mechanism (Username, Passwords, etc.) | i. Follows safety and security procedures  ii. Realizes the importance of guidance of trusted mentors | 1 |  |  |  |

Date :- ……………………........ ……………………........ Signature of the Principal