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 usingSearch 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