

Subject - Information and communication Technology

Curriculum Standard 1

Concepts: Consider the computer as a machine with various parts and associated functions.

Usage Skills: Identify all the parts of a computer; use keyboard and mouse as input devices; open applications, such as Paint.

Standard 1 - Skill based curriculum

- I can explain what computer is
- I can identify basic parts of computer
- I can identify storage devices of computer
- I can identify different types of computer
- I can name different places where computers are used
- I can type letters quickly
- I can type numbers quickly
- I can move cursor
- I can do mouse left click
- I can do mouse right click
- I can identify desktop and icons
- I can open program

Curriculum Standard 2

Concepts: Understand that different applications are used for different tasks; Working of computer; Input-Output.

Usage Skills: Start and shutdown; familiarity with Windows and MAC OS; different applications associated with different files/icons; Use of common application; familiarity with printer.

Standard 2 - Skill based curriculum

- I can explain working of computer.
- I can identify input and output devices.
- I can identify additional parts of computer like printer and speaker
- I can explain how to start and shut down computer
- I can explain what graphical user interface is
- I can explain what file and folder is
- I can identify Windows Desktop, Taskbar, Start button and icons
- I can explain use of recycle bin in windows OS
- I can identify Mac OS X desktop, Apple icon and Menu bar
- I can explain use of Spotlight, Trash and Finder in MAC OS X
- I can operate paint program
- I can take print

Curriculum Standard 3

Concepts: Hardware/Software; information organization, storage and retrieval; Internet.

Usage Skills: Create, open, save, rename and delete files; file and folder manipulation; Use of common applications; Word processing; Basic browsing.

Standard 3 - Skill based curriculum

- I can explain what hardware and software is
- I can open file system of operating system (Windows Explorer, MAC Finder)
- I can do basic navigation using Windows Explorer
- I can do basic navigation using MAC Finder
- I can work with files and folders
- I can create, open and save file using application file menu
- I can use common commands like cut, copy, paste and undo
- I can explain what internet is
- I can explain what web is
- I can open website using web browser

Curriculum Standard 4

Concepts: Information handling; Step wise thinking; Application; Storage; Learning new program; Computer memory.

Usage Skills: Word processing and elementary making of slides; Using common devices and applications; Using CDs and external media; Auto-installation of software (from CDs and Web); Un-installation of software.

Standard 4 - Skill based curriculum

- I can able to think step wise
- I can explain what computer memory is
- I can explain what app or application is
- I can use web browser for surfing
- I can download online images
- I can explain how to install software using CD and web
- I can explain how to uninstall software
- I can operate PowerPoint

Abhiyan Syllabus for Standard 5 to 8

Subject - Information and Communication Technology

Standard 5

Basic Block Diagram of Computer System
Computer Memory
Operating System
Operating System – UNIX and LINUX
Operating System - Windows
MS Word 2007
Introduction, Starting Word, Parts of Microsoft Word window,
Closing Word, Some Basic Task
Working with Text, Introducing the Office Button, Formatting
Creating List and Drop Cap, Use Insert Tab
Working with Table, Working with objects and Printing
Ms Word 2007 - Assignment

Standard 6

Use of ICT in Everyday Life
ICT use in the Workplace
Microsoft Windows 7 – Libraries and Computer Folder
Microsoft Office Excel
Introduction, Starting Excel, Parts of Microsoft Word window,
Closing Excel, Workbook and Worksheet
Working with Data
Working with Cells
Working with series
Overview of Formulas
Using Functions
Sorting, Subtotal and Filtering Data.
Table Formatting
Chart
Microsoft Office Excel 2007 – Assignments

Standard 7

Social and Health effect of ICT
Networking - Introduction
Networking Basics, Architecture, Network Structures,
Network Topologies , Network Protocol,
Multimedia
Applications of Multimedia,
Multimedia Peripherals
Introduction to Internet and Browsing

Internet: E-mail and Searching
PowerPoint presentation suggestions,
Points to remember while making PowerPoint presentation
Create Presentations
Themes and Animation
Table, Options on the Design Tab,
Chart, Formatting Charts,
Add Sound, Movie and Animation
Automatic Timings, Custom Slide Show, Slide Show
Microsoft Office PowerPoint 2007 – Assignments

Standard 8

Internet and World Wide Web
Using the Internet to Communicate,
Internet related protocols, Web Servers
Computer Virus, General Computer Maintenance,
Different Data types and Organization
Different types of Database
Microsoft Office Access - Introduction
The Ribbon, The Quick Access Toolbar, Navigation Pane
Database Basics Terminology
Data Types in MS Access, Rules for Field Names,
Creating Simple Database
Database Object – Table, Creating a Table, Primary Key,
Validate Data, Entering Data in Table, Records
Table Relationship
Database Object – Forms, Form Layout, Query, Reports
Microsoft Office Access Assignment
Introduction to HTML language
Prepare a Web Page in HTML language
Working with HTML file
Lists, Create Hyperlink, Insert an image in a web page
Inserting Tables in HTML file

Standard 9

Concept and Necessity of ICT
Use of ICT in day to day life, Advance of ICT
ICT Tools
ICT Soft Tools: Word Processor
Formatting, Creating List and Drop Cap
Working with Table
Creating Document, Mail Merge, Table
ICT Soft Tools: Spreadsheet

Working with Cells, Overview of Formulas, Chart
Assignment 1 - Creating Sales Worksheet, Using Sorting and Subtotal
ICT Soft Tools: Presentation
Add Sound, Movie and Animation
Assignment - Making a PowerPoint presentation,
Create a Photo Album – Slide Show, Animate Chart Element
Introduction to Internet
ICT in Languages, Social Science and Arts
Moral and Ethics

Standard 10

Potential of ICT
Internet Applications Blogs and Forums, Blogs
Internet Applications VOIP
Internet Applications E-Commerce and E-Governances
Internet Applications Google Map and Google Earth
ICT In Science, Mathematics, Modelling and Simulation
ICT in day to day life
Information in Indian languages
Unicode, Unicode Encoding,
GeoGebra – Introduction
GeoGebra – Construction Tools
GeoGebra – Polygons and Graphs
GeoGebra – Circle and Statistics