

What is ICT?

ICT, or information and communications technology (or technologies), is the infrastructure and components that enable modern computing.

Although there is no single, universal definition of ICT, the term is generally accepted to mean all devices, networking components, applications and systems that combined allow people and organizations (i.e., businesses, nonprofit agencies, governments and criminal enterprises) to interact in the digital world.

ICT is sometimes used synonymously with IT (for information technology); however, ICT is generally used to represent a broader, more comprehensive list of all components related to computer and digital technologies than IT.

General Aims

Utilitarian Objectives

One of the main aims of ICT is to help students to become competent and confident users

Social Aims

It aims to equip learners with the appropriate social skills required to cooperate with fellow ICT learners.

Cultural Objectives

ICT aims to assist students to appreciate the beauty and diversity of culture.

Personal Objectives

ICT aims to assist students to grow personally by facilitating different methods of learning.

Syllabus Contents

Grade 5

Grade 5 WKS.

TOPICS

- 1). Spreadsheet (definitions /uses/examples)
- 2). MS Excel (terms/features/formula)
- 3). MS Excel charts and data analysis
- 4). MS Excel (SUM/AVE/Charts)
- 5) Cybercrime/Ethics
- 6). Cloud (definitions /types/uses/Advantages/Disadvantages)
- 7) Cloud storage (examples/Uses)

Grade 6

Syllabus Contents

Grade 6 WKS.

TOPICS

- 1) Multimedia (definitions/tools/uses/hardware/software)
- 2) Video editing (definitions /terms/tools/examples)
- 3). Multimedia file formats (MP4/MP3 etcetera)
- 4) Video making (shooting/editing)
- 5). Types of websites
- 6) . Copyright/intellectual property/plagiarism
- 7). Copyright (Creative commons)

Grade 7

Computer Essentials	<ul style="list-style-type: none">• Software• Operating Systems• Applications Software• Storage Media
Online Essentials	<ul style="list-style-type: none">• Self-Protection• Encryption• Protocols• Digital certificate• Web browsing, downloading, searching• Social Networks
Word Processing	<ul style="list-style-type: none">• Page Layout• Check and Print• Tables
Presentations	<ul style="list-style-type: none">• Charts and graphical objects• Master slides• Prepare outputs
Spreadsheets	<ul style="list-style-type: none">• Managing worksheets• Formulas and Functions• Prepare Output• Charts
Project	

Grade 8

IT is not offered in this grade

Grade 9

1. Computers and Society
2. Information and Communications Technology File management
3. Introduction to and Creating Simple Databases
4. Introduction to Presentation and Slide Show Software
5. Software Integration - Multi-tasking
6. Formatting and printing Spreadsheets
7. Advanced Word - Printing envelopes and labels
8. Advanced Word - Mail-merging

9. Binary Number System

10. Compilation of list of terms used in Grade 9

Grades 10-12

Topic Area	Sub-Topics
Solution Development	<ul style="list-style-type: none">• Algorithms and Problem Solving• Introduction to Solution Development • Application Development• Software Engineering Principles
Communication Technologies	<ul style="list-style-type: none">• Networks• • E-communication
Systems Technologies	<ul style="list-style-type: none">• Introduction to Computers • Hardware • Software • Computer Management
Internet Technologies	<ul style="list-style-type: none">• Internet•• World Wide Web•• Internet Services
Data and Information Management	<ul style="list-style-type: none">• Data Representation • Database Management•• Database Design
Social Implications	<ul style="list-style-type: none">• Legal Issues• Ethical Issues• Social Issues • Environmental Issues• Health Issues• Computers and Society

WHAT IS COMPUTER APPLICATIONS TECHNOLOGY?

Computer Applications Technology is a new subject. It draws from aspects of subjects such as Comp typing and Computer Studies. It further originates from and is a subset of the broader knowledge domain of information and communication technologies (ICTs). ICTs are the combination of networks, hardware and software as well as the means of communication, collaboration and engagement that enable the processing, management and exchange of data, information and knowledge.

Computer Applications Technology (CAT) aims at developing computing skills in the following packages: Word, Excel, Access, Explorer, Outlook and Power Point and basic HTML (webpage). Learners will be able to use the Internet, and understand the role that it plays, find relevant information, process it, make decisions, and learn how to use ICTs responsibly.

1. Solution Development	using end-user software applications proficiently to produce solutions to problems within a defined scenario.
2. Systems Technologies	understanding the concepts of ICTs with regard to the technologies that make up a computing system.
3. Network Technologies	understanding the various technologies, standards, and protocols involved in the electronic transmission of data via a computer-based network.
4. Internet Technologies	using the Internet and the WWW and understand the role that the Internet plays as part of the global information superhighway.
5. Information Management	finding authentic and relevant information, process the information to draw conclusions, make decisions and communicate the findings in appropriate formats.
6. Social Implications	The legal, ethical, environmental, social, security and health issues related to the use of ICTs and learn how use ICTs responsibly.