



# VIDYA BHAWAN BALIKA VIDYAPITH

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INFORMATION TECHNOLOGY FOR CLASS 9

(Study material Based on N.C.E.R.T HANDBOOK)

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## IT in education

Computers and Information Technology are extensively used in education for teaching-learning and assessment. The software and hardware technology is used for creation and transmission of information in various forms including still pictures, audio, video and animation to the learners. The learning becomes easy and accessible through IT. A lot of teaching resources are available for teachers to teach in a better way. Online assessment helps to assess the students without any biasness. The students, teachers and educational administrators and every stakeholder in the education sector has benefitted with the integration of IT in education.

(a) ICT in the classroom:-There are many ways in which the ICT is used for education in the classroom, such as

- **e-learning classrooms;**
- **smart-board presentations;**
- **videos on experiments;**
- **creation of images and video;**
- **desktop publishing of magazines, letters and documents;**
- **educational games;**
- **learning using the CD-ROM media; and**

- **gathering educational information on the Internet.**

(b) Education — anywhere anytime

Any student in India can access the NCERT book online through the website [www.eathshala.nic.in](http://www.eathshala.nic.in) or mobile app. Apart from this there are a variety of websites and mobile apps to access educational resources on any topic. You can also contact a teacher or a trainer via Internet to use WBT (Web-based Training). In this way education has reached the far flung areas by reaching the unreached.

(c) Teaching aids and media:-ICT is used mostly as a teaching aid in schools to

- **use pictures, animations and audio-visuals to explain subjects that are difficult to explain.**
- **make the lessons interesting using presentations.**
- **organise lessons using the computer.**
- **obtain the information relevant to the subjects.**

(d) Learning Management System (LMS)A Learning Management System (LMS) is being used by many countries to manage school systems. A student or teacher can register himself/herself on the official website to access LMS and can get many services from

LMS. The student can be benefited by using LMS, as it can be used to

- learn lessons anytime and anywhere.
- submit queries, getting replies and submit comments through forums.
- participate in the co-curricular activities via video.
- monitor the progress of their children (by parents).

