

TECHNOLOGY APPLICATIONS

Glossary for Practical Technology Concepts Strand

Glossary Term	Definition
augmented reality	a technology that combines the real world with computer-generated content, such as visuals, sounds, and other sensory elements.
cloud application	a program that is hosted on remote servers and accessed over the internet, as opposed to being installed on a local device
cloud architecture	the infrastructure that combines hardware, software, and other components to create a cloud computing environment
data	factual information (such as observations, measurements, or statistics) used as a basis for reasoning, discussion, or calculation; often includes both useful and irrelevant or redundant information and must be processed to be meaningful
data storage	means that files and documents are recorded digitally and saved in a system for future use
ergonomic	designed to be comfortable, safe, and efficient to use, especially in or as a work environment
file	a medium used for saving and managing data in a computer system
file naming convention	a set of established rules for naming files within a system, designed to clearly describe the content of each file and its relationship to other files
hierarchy	an organizational system in which each lower level is entirely subsumed in the successive upper level; each upper level is made up of one or more entire lower levels
input	data to be entered into a computer for processing; information fed into a data processing system or computer
internet	a global network of linked computers, servers, phones, and smart appliances that communicate with each other using the transmission control protocol (TCP) standard to enable the fast exchange of information and files, along with other types of services
intranet	a network operating like the internet but having access restricted to a limited group of authorized users
learning management system	a software application used to organize and distribute e-learning materials, assignments, and assessments; track and calculate grades; and facilitate communication among students and teachers

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network	a system of computers and peripherals that are able to communicate with each other; a system containing any combination of computers, computer terminals, printers, audio or visual display devices, or telephones interconnected by telecommunication equipment or cables
operating system	the collection of software that directs a computer's operations, controlling and scheduling the execution of other programs, and managing storage, input/output, and communication resources
output	the information produced by a computer; the result of data-processing activity when it is presented external to the system, or the process of presenting the data externally
presentation tools	a category of software used to create content where information is represented in a graphical or visual way to show information to an audience in a format such as a slide deck
raster	a set of horizontal lines composed of individual pixels, used to form an image on a screen or in matrix printing
scholarly inquiry	a systematic process of exploring issues and practices through data collection and analysis to generate findings that are supported by theory and evidence.
short-range wireless technology	technology that allows devices to communicate within a range of a few centimeters to several meters.
spreadsheet	a computer program that allows the entry, calculation, and storage of data in columns and rows
vector graphic	a computer image that is stored in memory as lines rather than a series of dots, allowing it to be rotated or proportionally scaled
virtual reality	the use of computer modeling and simulation that enables a person to interact with an artificial three-dimensional (3-D) visual or other sensory environment.
word processor	a computer program used to write and revise documents, compose the layout of the text, and preview on a computer monitor how the printed copy will appear