

Educational Technology


Vocabulary and Core Information


It is your responsibility to learn, understand, and use the vocabulary and information in this packet.


You will be assigned different sections to work on for homework, but it is your job to deeply understand every idea and term here by the end of the trimester.

Section 1 – Hardware

Word	Definition
hardware	the physical equipment that makes up your computer; hardware includes the monitor, computer case, hard drive, RAM, and keyboard
Photo	Sample Sentence <i>I wish I could download and play that new first-person shooter game, but my hardware is old and couldn't handle the graphics.</i>
Student Sentence	

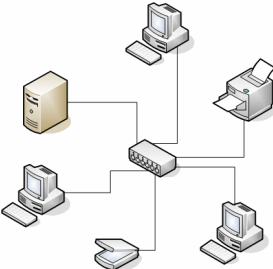
Word	Definition
monitor	the part of a computer that you look at; the screen and its body
Photo 	Sample Sentence <i>"Mr. Irvan, my computer isn't working!"</i> <i>"Did you turn the monitor on?"</i> <i>"Umm... no."</i>
Student Sentence	


Word	Definition
computer case AKA computer tower	the part of a desktop computer that you plug everything into, used to store most of the hardware (including the hard drive)
Photo 	Sample Sentence <i>I had to be careful not to accidentally kick my computer case, since there wasn't much space under my desk.</i>
Student Sentence	

Word	Definition
hard drive	a computer part inside the tower that stores all of the data used by the computer
Photo 	Sample Sentence <i>I wanted to download some music from iTunes, but I accidentally filled up my laptop's hard drive with movies, so there wasn't enough room.</i>
Student Sentence	

Word	Definition
USB	a common type of connector used on cables for MP3 players, digital cameras, portable hard drives, printers, and more
Photo <i>see below</i>	Sample Sentence <i>My desktop has two USB ports, so I can plug in my iPod and printer at the same time.</i>
Student Sentence	



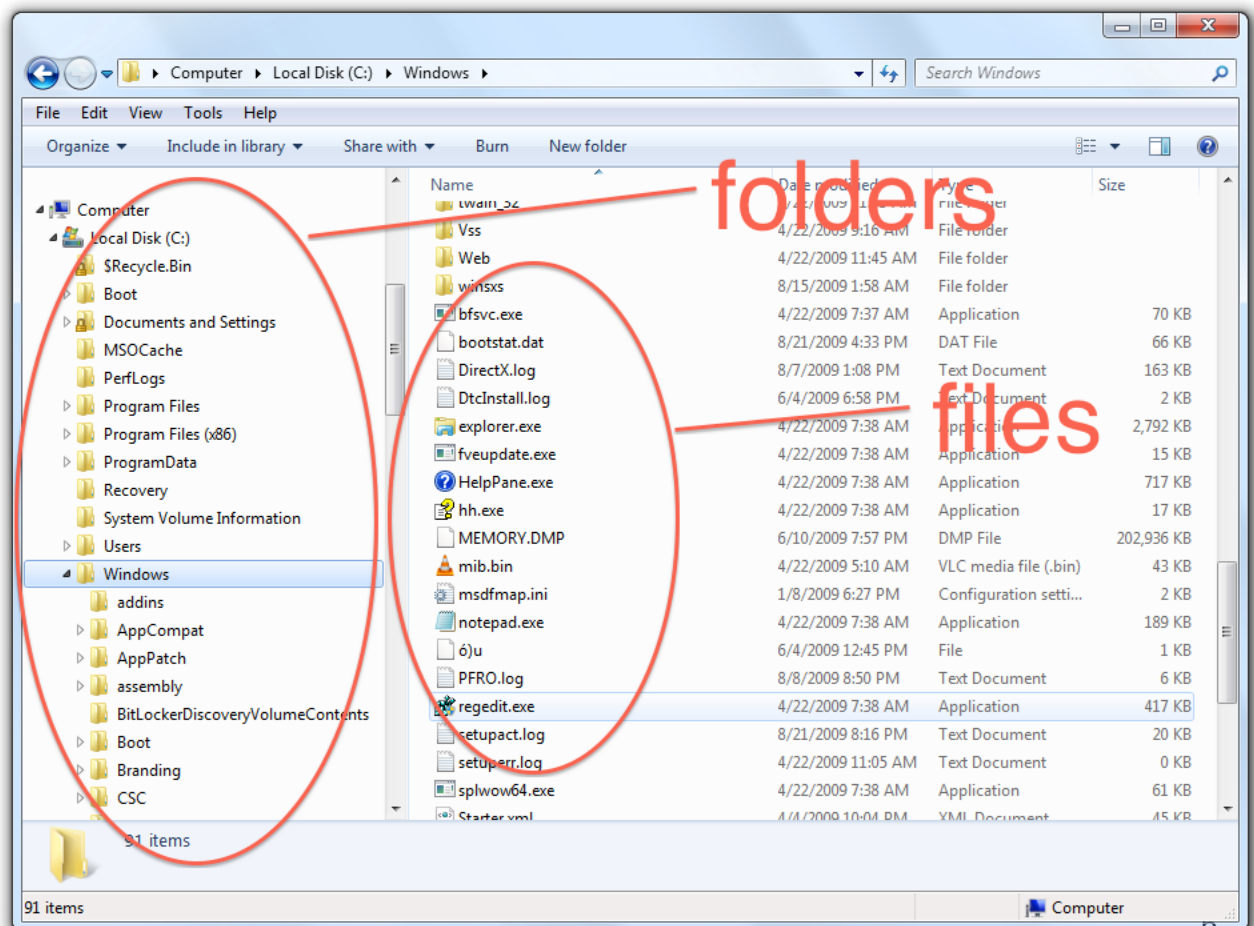
Word	Definition
network	<p>2 common uses:</p> <ol style="list-style-type: none"> 1) connection to the Internet through a wireless network 2) a group of computers and other hardware hooked up together
Photo 	Sample Sentence <i>I just got my laptop online at the library by putting in the password for the wireless network.</i> <i>My new printer isn't connected to the network yet, so I can't print right now.</i>
Student Sentence	


Word	Definition
wireless card	a piece of hardware found inside your computer that allows you to connect to the Internet wirelessly
Photo 	Sample Sentence <i>My dad's really old computer doesn't have a wireless card in it, so he actually has to plug in a cable to get online.</i>
Student Sentence	

Section 2 – Software

Software means the different programs you run on your computer. This section is all about vocabulary related to running programs, NOT physical equipment.






Word	Definition
file	one unit of a program saved on your computer that you can organize into folders; common examples are Microsoft Word files (like for essays) and music files (one per song)
Photo <i>see below</i>	Sample Sentence <i>My desktop was covered with files, so it was hard to find my US History report.</i>
Student Sentence	





Word	Definition
folder	like physical folders, they organize the files on your computer; you can put folders inside other folders to organize even more
Photo 	Sample Sentence <i>After I put my school files and personal files into separate folders, it was a lot easier to find what I was looking for.</i>
Student Sentence	

Word	Definition
file extension	<p>the letters, (usually 3 or 4) after a period in a file's name that tell you its type</p> <p>Examples: .doc OR .docx (Word), .ppt (PowerPoint), .pdf (Printable Document Format), .avi (video file), .mp3 (music file)</p>
Photo	<p>Sample Sentence</p> <p><i>I thought the file in my Google Drive was a .pdf, but the file extension showed it was actually a Word document.</i></p>
Student Sentence	


Documents

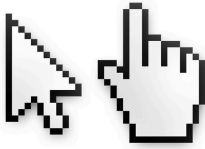
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-  DPH_StudentEmail_2012-09-07.csv
-  Unison 2.1.9.zip
-  Prep Academy Opening Slide.ppt
-  Gangs of New York.avi

Word	Definition
icon	any little picture on your computer that is used to symbolize a file, folder, program, or web tool
Photo 	Sample Sentence <i>Is there any way I can change the icon for iTunes? I think the new one looks kind of ugly.</i>
Student Sentence	

Word	Definition
program (used synonymously with software)	a major tool on your computer that does a certain job; <i>hint – icons in your task bar all open a program</i> <u>Examples:</u> Chrome, Microsoft Word, iTunes, Microsoft PowerPoint
Photo icon for Chrome web browser program 	Sample Sentence <i>Mr. Irvan's computer was running slowly because he had so many programs open at once.</i>
Student Sentence	


Word	Definition
page	an open window with information that continues down below where you can see, especially in a web browser
Photo	Sample Sentence <i>Can you scroll down the page so I can see the end of your essay?</i>
Student Sentence	

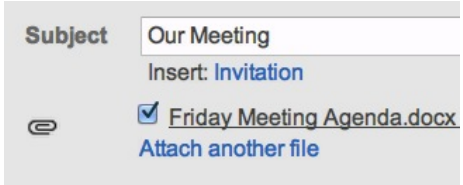
Word	Definition
software	synonym of program
Photo icon for Microsoft Word software 	Sample Sentence <i>The new audio software my friend bought lets you create really impressive rhythms.</i>
Student Sentence	

Word	Definition
cursor	the icon you move around using a mouse, used to click on parts of the screen
Photo 2 cursors (hand appears when hovering over a link) 	Sample Sentence <i>Somebody changed my settings, and now the cursor moves around really quickly. How annoying.</i>
Student Sentence	

Word	Definition
desktop	2 definitions: 1) a non-laptop computer 2) the background area on your operating system
Photo <i>see below for 2 versions</i>	Sample Sentence “My mom bought a desktop computer for our living room so we could share it in one place.” “I saved a photo of my friends and I called friends.jpg on the desktop ”
Student Sentence	





Word	Definition
web browser or just “browser”	A program used to browse websites Most common: Google Chrome, Mozilla Firefox, Internet Explorer
Photo 	Sample Sentence <i>I just switched browsers from Internet Explorer to Chrome – it just seems nicer and less cluttered.</i>
Student Sentence	


Word	Definition
attachment	a file that you attach to an email
Photo 	Sample Sentence <i>My friend wanted to show me the PowerPoint she made, so I told her to email it to me as an attachment.</i>
Student Sentence	


Word	Definition
task bar	the bottom area of a Windows screen where you can see which programs are running; click the icons to open program windows
Photo <i>see below</i>	Sample Sentence <i>I thought I closed VLC Player after watching a movie, but then I saw it was still in my task bar.</i>
Student Sentence	



Word	Definition
operating system	the main platform that everything in your computer runs on; the two most common operating systems are Windows and Mac
Photo 	Sample Sentence <i>I used to love Windows, but after switching operating systems to Mac, I'm much happier. Everything seems easier to do.</i>
Student Sentence	


Word	Definition
minimize	to make a window (like for a web browser), disappear into your task bar
Photo 	Sample Sentence <i>My screen was getting too crowded, so I minimized two Google Chrome windows to free up some space.</i>
Student Sentence	

Word	Definition
download	the process of transferring data (like a file) FROM the Internet TO your computer
Photo 	Sample Sentence <i>I downloaded a new album from iTunes, so now I have the music saved on my computer.</i>
Student Sentence	

Word	Definition
upload	the process of transferring data (like a file) FROM your computer TO the Internet
Photo 	Sample Sentence <i>After I finished my English report in Microsoft Word, I uploaded it to the website my teacher told me to.</i>
Student Sentence	

Section 3 – Other

This section is for any vocabulary that doesn't neatly fit with hardware or software.

Word	Definition
online/offline	online means connected to the Internet offline means not connected to the Internet
Photo? 	Sample Sentence <i>I really wish I could get online at this coffee shop to check my email on my laptop, but they don't have a wireless network.</i>
Student Sentence	

Word	Definition
local files	files saved on your computer only; not accessible on the Internet
Photo <i>see images for files and folders</i>	Sample Sentence <i>I can't get to my report. I saved it locally on my computer at home, not online anywhere.</i>
Student Sentence	

Word	Definition
the “cloud”	the cloud is used to mean “located and saved on the Internet”, in contrast to saved locally on your computer. Google Docs is found in the cloud, but Microsoft Word is not
Photo <i>see below</i>	Sample Sentence <i>I love saving my address book and phone numbers in the cloud. That means I can get to them anywhere I can get online.</i>
Student Sentence	

