

Learning About The . Net

Mobile Vocab Sheet



3G - short for 3rd generation, typically implies speeds of .5 Megabits/second (Mbps) to 3 Mbps similar to a basic home Internet connection; used for Internet on mobile devices like tablets and smartphones.

4G - short for 4th generation, typically implies speeds of 3 to 20 Mbps similar to a mid-range home internet connection; used for Internet on mobile devices like tablets and smartphones; successor of 3G.

App Store - a digital place for users to download software/applications to install on their computer or mobile device e.g. Google Play Store, iTunes, Amazon App Store.

Applications – pieces of software installed onto the mobile device for adding and altering the device's capabilities.

Bluetooth - a wireless technology standard for exchanging information over short distances between electronic devices e.g. a Bluetooth headset.

Encryption – encoding messages/data in a way that only authorized users can read them. This makes it more difficult for hackers/eavesdroppers to read.

GPS - short for Global Position System, a space-based satellite navigation system that provides location and time information, anywhere on or near the Earth where there is an unobstructed line of sight to four or more GPS satellites.

LTE - Long Term Evolution, typically referred to as "4G".

Malware - short for malicious software; software used or created by attackers to disrupt computer operation, gather sensitive information, or gain access to private computer systems. This includes viruses, trojan horses, worms, keyloggers, etc.

Operating System – a collection of software that manages computer hardware/electronics. Examples include Windows, BlackBerry, Android, iOS, and Mac OS X.

Permission – details what features or data the software/application can access. Typically users are informed of the permissions the application is requesting when installing the application. Example: "Access location information" could allow the application to view where the user is accessing their application from.

Settings – options to define how a mobile device will look, sound, and act.

Smartphone - a mobile phone built on a mobile operating system, with more advanced computing capability and connectivity (technologies) than a standard feature cell phone.

Tethering - allows sharing the Internet connection of the phone or tablet with other devices such as laptops. This is done either by creating a mobile hotspot (Wi-Fi) or through a cable.



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Viruses - a computer program that can replicate itself and spread from one device to another.

Wi-Fi - a popular technology that allows an electronic device to exchange data wirelessly (using radio waves) over a computer network. This allows for wireless communication between devices without the use of cables. Most home routers offer Wi-Fi as a core component allowing you to attach multiple devices to one Internet connection.

Mobile Security Applications

iCloud - An iOS (Apple) application that allows users to remotely lock, set off an alarm, or erase their mobile device using an online web portal.

Website: <https://www.icloud.com/> Setup Instructions: <https://www.apple.com/icloud/setup/>

Lookout Mobile Security – An Android application tracks your phone, backups your phone data, and allows you to wipe your data if it gets stolen.

Website: <https://www.lookout.com/> Google Play Store: <http://tinyurl.com/aez7jep>

Prey – An Android application that lets you keep track of your tablet or phone when it is stolen or missing.

Website: <https://preyproject.com/> Google Play Store: <http://tinyurl.com/be4vfwx>

SeekDroid - An Android application that can be used for remotely locking or wiping the device, viewing call logs, and locating your device if it has been lost or stolen.

Website: <https://seekdroid.com/v2/> Google Play Store: <http://tinyurl.com/9ygu7pp>

Lock Techniques

Facial Recognition (Low Security) - the built-in camera unlocks the device by comparing a stored image to what it sees (e.g. pictures of your face).

Password (High Security) - alphanumeric set of characters to unlock device.

Pattern (Medium Security) - create a pattern in a 3x3 grid to unlock the device.

PIN (Medium to High Security) - type in only digits to unlock the device. Example: 1234

Swipe Lock (No Security) - slide finger across the screen to be unlock. Default option.