**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.  
  
 **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/>  
  
**Android Device Manager** – An integrated application on Android phones that allows you to remotely lock, set off an alarm, erase, or locate your device.  
Website: <https://www.google.com/android/devicemanager> Setup Instructions: <https://support.google.com/accounts/answer/3265955?hl=en>   
  
**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

**Fingerprint** (Medium to High Security) – Enroll your fingerprints

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