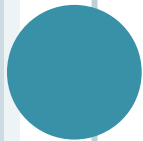




YOU AND YOUR MOBILE DEVICE

Operating Systems, Apps & The Internet



LECTURE/DEMONSTRATION

Aimed at

- The person that is new to or having difficulty comprehending all of the different technologies and terms with regards to Tablets, Smartphones and Mobile Internet

Not Aimed at

- The person who is already happily using their mobile devices. (Not feature phone!)

No Endorsements

WHY A SMARTPHONE/TABLET?

○ Feature Phones/Laptops

- Phone calls, Texts, Camera, Email and Calendar have been available for a long time already on feature phones but these feature phones will no longer be available shortly
- Laptops still available for productivity:
- Big
- Expensive
- Poor battery performance

SMARTPHONES/TABLETS

- These are mini computers and can do almost anything that a computer can do usually via an App. Can be used for Education, Work and Leisure
 - News readers and eBooks
 - Free calls: Skype, Viber
 - Social Networking
 - Entertainment: Video, Games, Music Player, Live TV

Continued:

- Satellite Navigation
- Baby Monitor
- Scanner
- Personal fitness device
- Universal Remote Control
- Security Camera
- Flashlight
- Magnifying Glass
- Electronic Funds Transfer
- Everything backed up safe in the cloud

QUESTIONS TO ASK YOURSELF?

- What is the purpose of the device?
 - Just to make a phone call and text
 - Phone text email Skype Viber (Communication tool)
 - Some of the above but to include productivity on the go
 - Some of the above plus entertainment and leisure i.e. all-rounder
- Answers: Therefore
 - screen size is/is not important
 - Battery life is/is not important
 - Cost is/is not important.
 - Warranty is/is not important
 - Work/Leisure is/is not important
 - Portability is/is not important
 - Tablet, Smartphone or both

OPERATING SYSTEMS

○ Work, Leisure or Both?

- Work



- Windows: very compatible with today's office systems e.g. Word, Excel and PowerPoint

iOS



- iOS also compatible with free Microsoft Apps

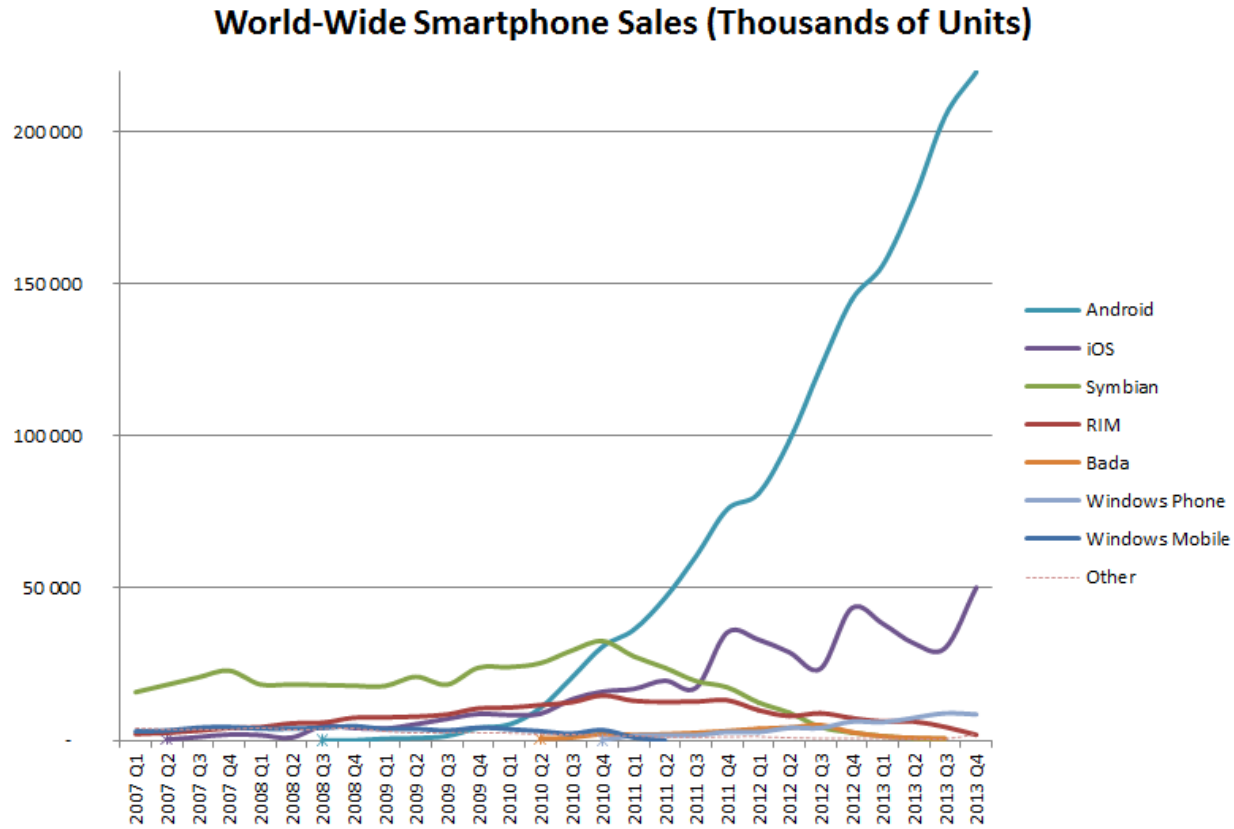


- Android also compatible with free Microsoft Apps
 - Chrome browser apps also available for free i.e. any laptop

- Leisure

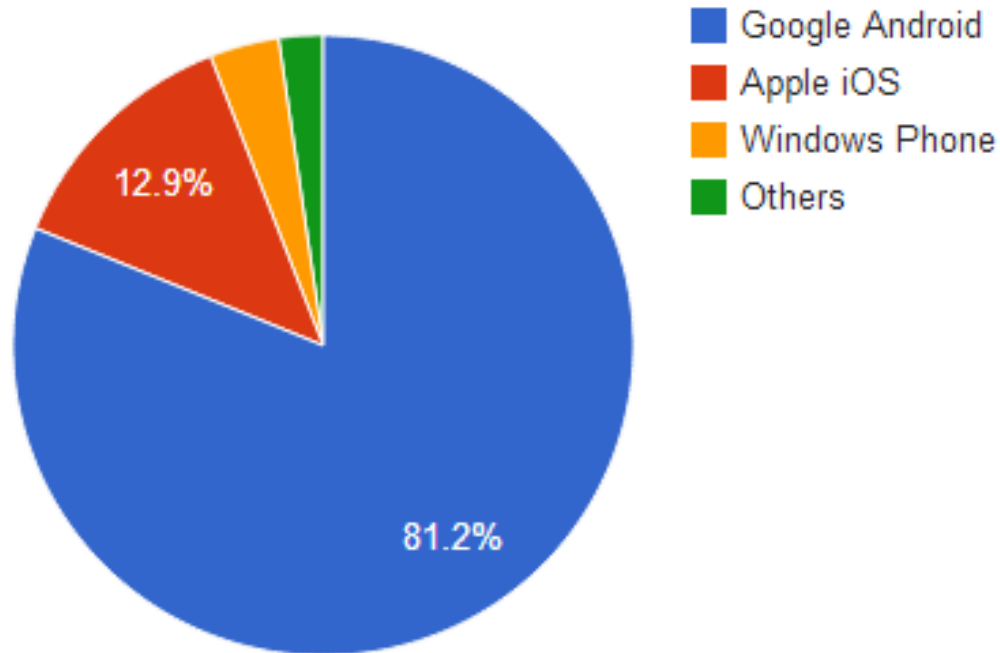
- Any of the three would suffice

WORLD WIDE SMARTPHONE SALES



WORLD WIDE TABLETS/SMARTPHONE OS

Mobile OS Market Share, Q3 2013



OS PROS & CONS

○ **Apple** (iOS)

- In general, **Apple** (iOS) drop software updates after a new device release e.g. 2 years
- Expensive and proprietary
- Prestige, brand driven
- Apple market place very good
- Most expensive for what you get in terms of hardware and apps
- Satnav very poor (Their own, not third party Apps)

OS PROS & CONS

○ Windows (RT)

- Office windows hands down best compatibility comes free on the Surface Tablet
- Windows market place very poor
- Proprietary
- Expensive apps
- Satnav
 - Navtec windows very good.

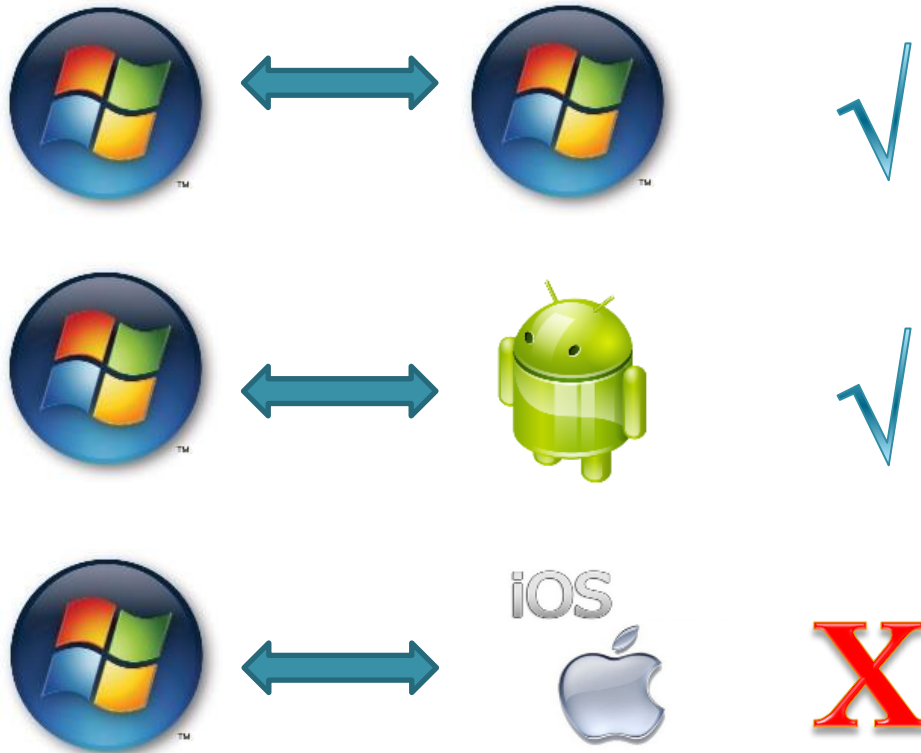
OS PROS & CONS

○ Android

- Google devices continually updated
- Manufacturer brands e.g. HTC etc. just like iOS also usually only update once
- Available at all price points i.e. within the reach of most people
- Android play store very good
- Multiple vendors; Samsung, HTC, LG
- Cheapest apps, three quartets being free, ad supported (purchase removes)
- Satnav
 - Google maps android very good

OS PROS & CONS

- Native compatibility with your **Windows** Home PC or Laptop.



SMARTPHONES 2014

- PC Advisor review the best Smartphones of 2014
- Best bang for your buck!
- Flagship Specs at half the price!
- Tesco are due to launch their own branded Flagship Smartphone

PORTABILITY

- Smartphones:
 - Phone 4 to 5 inches
 - Phablet 5 to 6.5 inches
- Tablet:
 - 7, 8, 9 inches
 - Productivity
 - 10-13 inches



TABLETS

Same as Smartphones but bigger

- iPad
- Windows Surface RT



- Android (The selection is huge)

Self branded and manufacturer available
e.g.

- Google Nexus (Self Branded)
- Nook
- Kindle Fire (Amazon)
- LG
- Samsung
- HTC
- Sony etc.
- Un-Branded (Cheap and cheerful!)

MINI TABLETS COMPARED

- iPad mini 2 (iOS Apple)
- Google Nexus 7 (2013 Android)
- LG G Pad 8.3 (Android)
- No Windows Surface Mini yet☹
- [Online Comparison](#)

LARGE BRANDED TABLETS COMPARED

- Ipad air
 - Ipad 4 (Slower and heavier than the Air {Apple})
- Sony Xperia Z2 (Android)
- Samsung Galaxy Note 10.1 (Android)
- Surface 2 (RT {Windows})
- Online Review Air vs Samsung
- Older Tablet vs Newer
- Tablets to the left compared

BEST TABLETS 2014

- PC Advisor



BUDGET TABLETS (UNBRANDED)

- Tesco's "Huddle"
- Aldi
- Lidl
- Argos
- Harvey Normans
- Sound Store
- Currys

Note

- Make sure that you understand the following before you invest:
- CPU Speed
 - RAM
 - Battery power
 - Screen resolution and glass technologies (Gorilla & Flexible)

EASE OF USE (OPERATING SYSTEM)

- Apple iOS 
 - Due to its locked down proprietary nature it is generally accepted that moving from one Apple iOS device to another is straight forward
- Windows 
 - As above

EASE OF USE (OPERATING SYSTEM)

○ Android



- Each manufacturer lays a skin (Launcher) over the OS there by giving each device a different feel and look. Therefore there can be a small learning curve moving from Android to Android
- Android will apply a setting shortly which will return the device regardless of manufacturer back to its vanilla flavour
- In my own personal experience of the above, Android offer the best all-round compatibility use

IDENTIFICATION (ID)

○ Windows Live ID

- Required for Windows devices and services



- Windows Surface Tablet & Windows Smartphones

○ Apple ID

- Required for iOS devices and services



- iPad & iPhones

○ Google Account/ID

- Required for Android Smartphones & Tablets

- Seamless access to:

- Youtube
- Email
- Calendar
- Books
- Playstore
- Maps



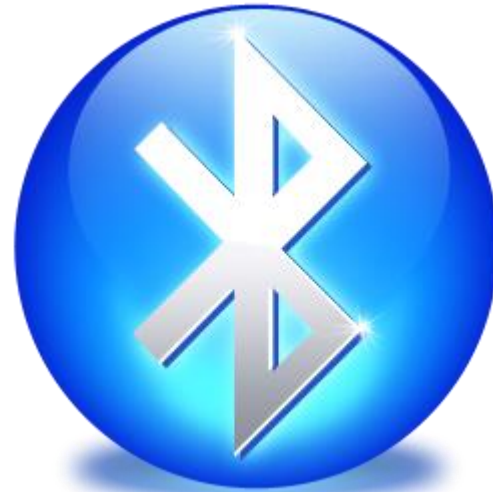


IDENTIFICATION (ID)

- These are 3 competing brands and if you use any services supplied by the other, you will require an ID for that vendor e.g.:
 - Accessing Microsoft Office online will require a Windows Live ID even though you have an ID for Apple or Android
- You can still use your old email on the new device regardless via an email App e.g.:
 - You have a Android or Apple device and you wish to keep your Yahoo email account
 - Go to the App store and download the Yahoo Email App
 - Alternatively, on both devices, the required App is built in i.e. you do not have to download it

HARDWARE COMPATIBILITY FEATURES

- Bluetooth (Wireless Technology)
 - Allows for an extension of your device
 - Speakers
 - Headphones
 - Keyboard
 - Mouse
 - Games controller
 - Car stereo
 - Hands free communication



HARDWARE COMPATIBILITY FEATURES

- Wi-Fi (Wireless Technology)



- Screen Cast

- Push the image/sound on your device to a compatible TV

- NFC



- Near Field Communication

- Place tag next to your bed puts Smartphone to sleep mode automatically

HARDWARE COMPATIBILITY FEATURES

○ HDMI out (Cable)

- Push the image/sound on your device to a compatible TV



- MHL/HDMI compatible device and TV



MOBILE TARIFFS

- Tally the vendors phone cost plus tariff contract
- Tally SIM free phone purchased separately plus pay as you go or other tariff
- Tablets: On-Line & Off-Line
- Answer _____
- Answer _____
 - 3/4g tablets: No need as your (LTE etc.) Smartphone can act as a Hotspot

MOBILE BROADBAND

- Broadband Wi-Fi Hotspot
 - A device that gives you Internet access. If you are just a casual user of the Internet and you do not have a house full of people using Skype and watching online movies, this could be a cheaper option than Home Internet!
 - Offered by all providers
 - Vodafone
 - O2
 - Meteor
 - Tesco



CLOUD ACCESS/STORAGE

- Google Drive
 - 25 Gigabytes
 - (Documents and photos)
- Windows One Drive
 - 7 Gigabytes
 - (Documents and photos)
- Apple iCloud
 - 5 Gigabytes
 - (Requires separate app purchases for Documents and photos)
- Sharing is available by all of the above



Download more graphics at www.psdgraphics.com

SECURITY

- Lock screen
 - Pin
 - Biometrics: Finger/Ear Print, Photo
 - Pattern
 - Password
- Device lost or stolen
 - Remotely:
 - Locate
 - Send message to screen
 - Take photo
 - Phone scream out
 - Wipe phone content
- Associate your phone number with the service if available
 - Bank of Ireland
 - Email
 - Facebook
- Cybercrime
 - Man in the middle
- Free Antivirus
 - McAfee

DEMONSTRATIONS

- Pin
 - Essential to prevent unwanted access to your device
- Connect to WIFI
 - Essential to use the Internet at home or work
- Connect to Data
 - Essential to use the Internet when out and about
- Voice Control
 - Education, Accessibility, Safety, Productivity, Leisure
- Bluetooth connectivity
 - Education, Work, Leisure
- Smartphone Mobile Hotspot
 - Education, Work, Leisure
- Cloud
 - Education, Work, Leisure
- Play Store
- Three Nexus 7 Devices available for participants to interact with

DEMONSTRATIONS

- Apps (Applications)
- RTE Player
- Translations
 - ESOL, Productivity, Holidays
- E-Reader
 - Education, Work, Leisure
- Dictionary
 - Education, Work, Leisure
- Satnav
 - Education, Work, Leisure
- Games
 - Education, Leisure
- Office Apps
 - Education, Leisure
- Contacts
 - Send a photo direct from the camera
 - Education, Work, Leisure

FOLLOW ON CLASS

- Autumn 2014
 - Using your device