APPS AND TABLETS

iPads

Multimedia

- Text

- Graphics
  - images, photographs

- Animation

- Audio (Sound)

- Video

Computers and peripherals

Classroom Equipment 1

- *Computer with Internet connection*
  - *USB connections*
  - *Autodetect*

- *LCD screen*
  - *Touchscreen*
  - *Windows 8+*

Mobile Computers

- *Tablet Computer*
  - *iPad (iOS tablet)*
  - *Android tablet*
  - *Windows tablet*

- *SmartPhone*
  - *iPhone (iOS phone)*
  - *Android phone*
  - *Windows phone*

Tablet Uses 1

- Interactive, content-rich textbook
- Can be used for multimodal communication
- Starts up quickly and easily
- Easily shared, passed around, propped up, gathered around

- Promotes individualised and personalised work as well as group work

- 20 Reasons why every EFL student should have an iPad
  - https://blogs.jobs.ac.uk/tefl-journey/2013/10/07/20-reasons-why-every-efl-learner-should-have-an-ipad/

Tablet Uses 2

Examples:
- View, Create / Edit videos
- View, Create /Edit eBooks
- Timed Reading
- View, Create /Edit photos
- View, Create /Edit comic strips
- Listen, Create /Edit audio
- Presentations
- Remote control of computer
- Notes and Email
- Autocue
- Transfer files (e,g via DropBox)
- Video phone calls (e.g. Skype)
- Translation
- Visualizer (document camera)
- Reading QR codes
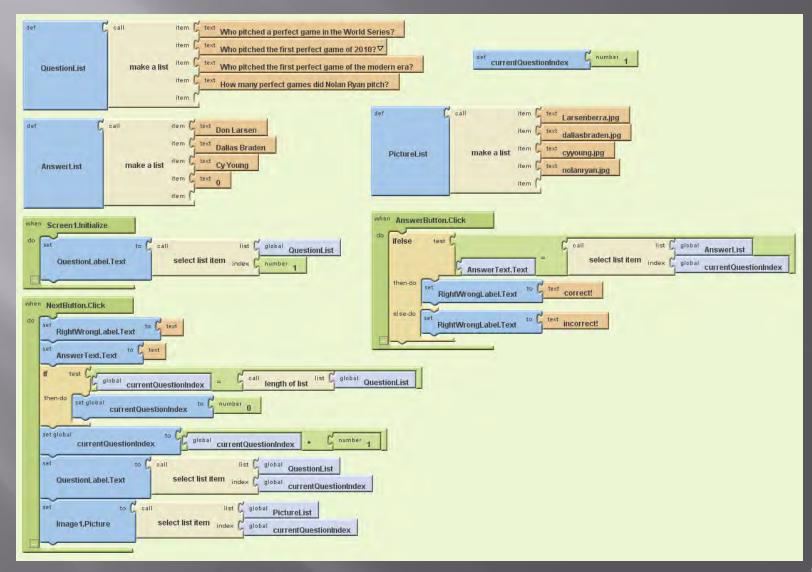
Mobile Apps 1

- LearnEnglish Apps
  - http://learnenglish.britishcouncil.org/en/apps

- Cambridge Apps
  - http://www.cambridgemobileapps.com/

- OUP English Apps
  - http://elt.oup.com/feature/global/apps/?mode=hub&cc=gb&selLanguage=en

- Apps in Education
  - http://appsineducation.blogspot.co.uk/p/english-ipad-apps.html
  - http://appsineducation.blogspot.co.uk/2011/06/apps-for-teachers.html

- Dev
  - http://www.devitsolutions.com/devitmobileapplication/

Mobile Apps 2

- Mac App Store (via iTunes)

- Android Market (Google Play)
  - https://play.google.com/store/search?q=EFL&c=apps

- *Mobile Programming*
  - *App Inventor (for Android)*
    - *www.appinventor.mit.edu*

App Inventor (Quiz Program)

Types of Tablet

- iOS
  - iPad

- Android
  - Galaxy Tab

- Windows
  - Surface

Tablet Options

Size
- 4 - 9 inches

Memory
- 16GB – 64GB

Connection
- Wi-Fi
  - Requires local Hotspot

- Wi-Fi + 3G/4G
  - 3G/4G uses cellular phone connections

- Automatically uses fastest available

iPad Components (Front and Back)

Front
- Multitouch Screen
  - Super high resolution
  - Automatically rotates
  - Automatic brightness adjustment
  - Gyroscope (action games)

- Home button
  - Returning to Home screen

- Camera
  - Front and back

- Note
  - No keyboard or stylus (use finger)
  - Can use Bluetooth wireless keyboard for most typing (but not all)

iPad Components (Top)

- Power (Sleep/Wake) button
  - Press and hold to power off
  - Unlock (password optional)

- Audio connector
  - Headset
  - External loudspeakers

- Microphone

iPad Components (Sides)

- Volume control button

- Screen Lock switch
  - Configurable to be Mute sound instead

- SD memory card slot

iPad Components (Bottom)

- Dock Connector
  - Charging iPad
  - Connecting to external equipment (e.g. large screen, projector)

- Loudspeaker(s)

iPad Smart Cover

- Easy to keep clean
- Easy to hold
- Acts as stand
- Use with flashcards
  - Evernote Peek app
    - http://evernote.com/peek/
    - http://www.fastcodesign.com/1664076/how-evernote-created-a-hit-ipad-app-that-uses-the-screen-flap

Screen

Status Bar Icons

- Along top
  - Battery life
  - Charging
  - Bluetooth (for connecting keyboard, etc)
  - Rotation Lock
  - Wifi
  - Accessing (shows data being loaded)
  - Airplane Mode (turns of wireless features)
  - Location tracking

Wifi + 3G icons

- iPad automatically connects to the fastest available
- 3G /4G connection indicator
- Connection signal strength
- Syncing
    - with computer or iCloud
    - via iTunes
- Playback
    - blue when AirPlay active
- VPN (Virtual Private Network)
    - secure private network is active

Gestures 1

- Tap
  - Open an app
  - Move cursor to a location in text
  - Tap status bar to move to top of a list , a web page or email
  - Activate hyperlink, list item or button

- Swipe
  - Move to next Home screen

- Flick
  - Quickly scroll in direction of flick

- Drag
  - Move around an image

- Expand
  - Make bigger (zoom in)

- Pinch
  - Make smaller (zoom out)

- Twist
  - Rotate an object

Home Screen 1

- Tap Home button to return to Home screen

- Can create up to 11 Home screens

- App icons
  - Tap app icon to open an app
  - Number on icon indicates updates are available

- Apps Dock
  - Appears at bottom of all Home screens
  - Can move app icons to Dock

- Web Clips (Home screen icons that open a Web page)
  - Tap 'Send To' icon in browser
  - Choose 'Add to Home Screen' option

Home Screen 2

- Re-arrange icons
  - Hold an icon until all icons start moving (wiggle)
  - Drag icon to required position
  - Tap Home button

- Delete icons (cannot delete inbuilt app icons)
  - Hold an icon until all icons start moving (wiggle)
  - Tap cross on icon to be deleted
  - Confirm Delete option
  - Tap Home button

- Create folders of icons
  - Hold an icon until all icons start moving (wiggle)
  - Drag and release icon on top of another icon to be in the same folder
  - Folder is automatically created with automatically generated name
  - Rename folder if required
  - Tap Home button

Built in Apps 1

- Messages
  - Free text messaging with other iOS devices
  - Can include images and video

- Calendar
  - Can sync with other calendar programs

- Notes
  - Type notes and email them

- Reminders
  - Track and manage scheduled tasks

- Maps
  - Maps and satellite images
  - Uses location sensor

Built in Apps 2

- Clock
  - World clock
  - Alarm
  - Stopwatch
  - Timer

- Videos
  - Stores movies, TV shows

- Contacts
  - Information about your contacts
  - Can sync with other contact apps

- Game Centre
  - Access web-based games (including multiuser)

- iTunes Store
  - Purchase music, movies, TV shows, audiobooks, etc.
  - Download free podcasts and iTunes U courses

Built in Apps 3

- **App Store**
  - Search iTunes App Store for apps and updates

- **Newsstand**
  - Magazine subscriptions purchased through iTunes

- **Camera**
  - Take still photos and movies
  - Front and rear cameras
  - Screengrabs
    - Press Sleep/Wake button and Home button at the same time

- **Settings**
  - General
    - Most iPad controls
  - Wallpaper and Brightness
  - iCloud
    - Storage and Backup
    - 5GB free - music and other media bought through iTunes don't count

- **Facetime**
  - Videoconference with iPad, iPhone, iPod Touch and Mac computers

Built in Apps 4

- Photo Booth
  - Add special effects to photos

- iBooks
  - ebook reader

Apps Dock

- Safari
  - Browse the Web
  - Find on this page option (at bottom of search list)

- Mail
  - Email program

- Photos
  - View/edit photos
  - Create slideshows

- Music
  - Subscribe to Podcasts
  - Listen to music

Photos

- 2 taps or expand/pinch on image
  - Zoom in /out

- Transfer photos from camera
  - Hold Sleep/Wake button to lock iPad
  - Connect camera
  - Set camera to transfer pictures
  - Tap onscreen Cancel button to unlock iPad
  - Photo app opens automatically
  - Tap import

- Can show where picture was taken on a map (if Location Services turned on in Settings)

Options1

- Reset iPad
  - Hold Wake/Sleep button until 'Slide to power off' button appears
  - Hold Home button until iPad resets

- Swipe from top of a home screen
  - Opens Calendar notifications

- Swipe from centre of a Home screen
  - Opens 'Spotlight' Universal search

- Swipe from bottom of a Home screen
  - Opens 'Control Centre'
  - Can be set to work from inside apps

- Tap and Hold text
  - Magnify text for exact positioning of cursor
  - Can be used to 'Select and Copy URL' in browser
  - Display 'Open In' menu to open an email file attachment in another app

Options 2

- Double-Tap
  - Zoom in and out of display (in some apps)
  - Select text or graphics (to cut, copy, paste, Replace, Define)

- Double Tap Home button
  - Opens multitasking apps bar
  - Swipe app in multitasking apps bar upwards to close app

- Triple tap Home button inside an app
  - Opens 'Guided Access' option
  - 'Guided Access' requires preset password
  - Cannot access anything outside app without coming out of 'Guided Access'

Multitouch

- Swipe up with 4 fingers
  - Opens multitasking apps bar

- Pinch with 3 fingers and Thumb
  - Returns to Home screen

- Expand with 3 fingers and Thumb
  - Returns to last used app in multitasking apps bar

- Swipe left or Right with 4 fingers inside an app
  - Switches to next open app

Keyboard

Onscreen Keyboard 1

- Appears automatically when required
  - Use landscape mode to get bigger keys

- Alphabet keyboard, Numerical Keyboard and Symbols keyboard
  - Automatically returns to text keyboard when typing a space after a number

- International key
  - Switch to other languages

Onscreen Keyboard 2

- Tap and hold Keyboard key to get split/merge/undock/dock options
  - Split keyboard setting for thumb-typing

- Tap, Hold and Move Keyboard key to move keyboard to a different position

Keyboard Tips

- Hold Backspace key to delete text
  - Automatically deletes whole words after a few seconds

- Tap Shift key to get a capital letter

- Double tap Shift key to turn on Caps Lock
  Tap Shift key to turn it off again (optional)

- Tap and hold letter or punctuation mark to get alternatives
  e.g. accented characters

- Type double space to get full stop and space

- Hold 'full stop' Key to get URL options

Connections

- ▫ Mains charger

- ▫ USB charger
  - ▪ Need to use USB socket with enough power output

- ▫ Apple VGA Adapter
  - ▪ Display screen on a large screen / projector
  - ▪ Audio has to be connected separately

- ▫ Apple Digital AV Adapter
  - ▪ HDMI connection
  - ▪ Display screen on a large HD screen / projector
  - ▪ Audio connection included in HDMI connector

- ▫ Apple iPad Camera Connection Kit
  - ▪ Copy images
  - ▪ USB camera connector adaptor
  - ▪ SD Card Reader

Screen Mirroring and Control

- AirPlay
    - Display iPad screen on Apple TV

- AirPlay receiver app (e.g. AirServer, Reflector)
    - Display iPad screen on desktop computer connected to a projector

- Air Mouse app
    - Control desktop computer using iPad
    - Teacher free to walk around classroom

- Join.Me app
    - Virtual Meeting app
    - Display teachers screen on student iPads