

Session 4

Android Tablets : educational apps, content and maintenance

Preparation - Find the module resources

Topic 1 – Basic introduction to the tablets

Topic 2 – Learn basic operating system features

Topic 3 – Connecting to Wi-Fi networks

Topic 4 – Logging on to the UAP network

Topic 5 – Critical review of the educational apps

Topic 6 – Additional educational apps

Topic 7 – Care and maintenance

Self-Assessment

Finding the module resources

ACTIVITY 1

Log into Community of Practice, Session 4

- Alcatel OneTouch EVO7 User Manual
- Android 4.1.1 User Guide
- This presentation

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Activity 2 – Basic introduction to the tablets

Hardware components

- Hardware buttons
- Camera
- Battery
- Cards and other user slots
- Micro USB
- SIM module
- ON/OFF/SLEEP

Please refer to the **“Alcatel OneTouch EVO7 User Manual”**

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Activity 3 – Learn basic operating system features

- Lock screen – swipe to right
- Home screen – swipe sideways
- Home, back, background apps buttons
- Notifications – check battery level
- Common settings
- All settings

Activity 3 – Learn basic operating system features (2)

- Apps screen
- Open Google Play and disable auto-updates
- Check Notifications for downloads (and stop)
- Drag Chrome to Home screen
- Practice opening/using apps (Camera, Gallery)

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Activity 4 – Connect to Wi-Fi networks

- Common settings
- Wi-Fi ON/OFF
- Change between networks
- Networks with security
- Check notifications area for connection status

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Activity 5 – Logging on to UAP Network

- Log in to Portal (with tablet)
- Navigate to some educational resources
- Access OwnCloud
- Access Internet (try **www.nkwiry.com**)

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Activity 6 – Critical review of the educational apps

Preview (suggested)

- **Aldiko Reader**
- **PDF Reader**
- Also try **Adobe Reader**
- **Learn and Play French (L’N’P French)**
- **Merriam Webster Dictionary**
- **Maps**
- **Settings**
- **Sound Recorder, Camera (Video)**

Activity 7– Critical review of the educational apps

- Worksheet
- Review and map to curriculum and usage types
- Some example categories are shown

Pedagogy: thinking about using ICTs for Teaching and Learning

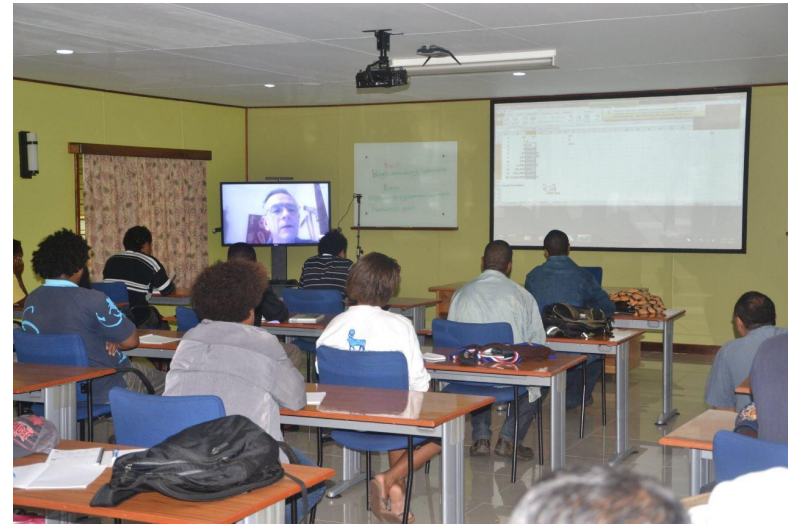


Photo:
DWU



Photo:
ISIF Asia



Child centred – learning together



- The ICT creates interesting classroom environments
- Teachers can spend more time with individual students.
- Children help each other, learn together (personalised or “deep” learning)

Apps are usually interactive



Encourages active learning

The interactive “Big Book”



Apps designed for the “big book” method of teaching
in PNG elementary schools, Tabubil, PNG

Discovering, capturing, recording



Using the tablets (or in the picture above, OLPC laptops) as digital tools: Studying rainforest plants and cataloguing them with the aid of a digital camera

Learning by playing: Educational (literacy) games



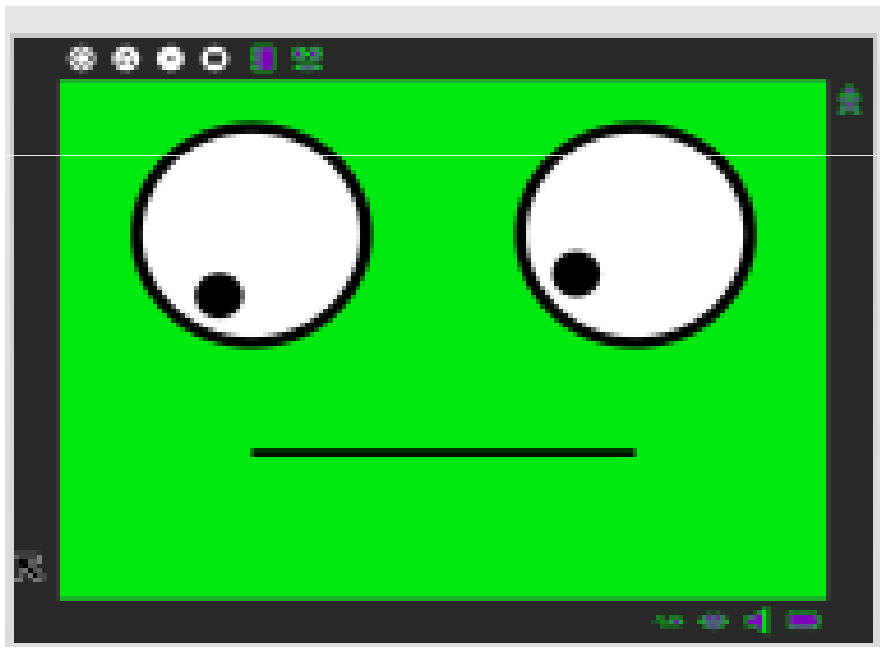
Learn to map your environment!



Students collect field data using forms, using ODK app

Literacy

- Text-to speech function (speaking dictionaries)



Plan classroom use

Examples of approaches to full class use of tablets

- Apps as reference materials (subject information)
- Apps as tools (measure, verify, calculate)
- Apps as creativity tools (multimedia)
- To facilitate group work
- To add interest/create engaging learning environment

Share your ICT lesson ideas



Learn together to integrate ICTs into teaching and learning

Reflection



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Activity 8 – Additional educational apps

Demonstration

- Start **Play Store**
- Search for apps (example **Sound Wave**)
- Install it
- Remove it in **settings > applications > uninstall**

Activity 8 – Additional educational apps

- Search Play Store for Dolphin Browser
- Install
- Use it to log into portal and view E-Learning for Kids

Dolphin Browser is needed to view **Flash** graphics

A small download (Adobe Flash is needed)

Activity 8 – Additional educational apps

- Memory limitations
- Checking memory
- Other recommended apps (see worksheet)
 - ODK Collect
 - Google Skymap
 - Smart Tools
 - Real Calc

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Topic 7 – Care and maintenance

- Brain storming



Topic 7 – Care and maintenance

- Managing security
- Good handling
- Protection from environmental risks
- Classroom management
- Distractions, Facebook etc
- Bad websites ?
- Supervision

Topic 7 – Care and maintenance

- Power Management
- A closer look at the trolleys
 - Planning for use : ensure tablets fully charged
 - Micro-USB : daily plugging/unplugging
 - Use of trolley
 - Lightning storms
 - Other...

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