THE DIGITAL LEARNING ROOM: DEPLOYING IPADS IN RURAL FIJI

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Thanks to

Hashtag : **#xw14**
Please leave comments on this talk at **auc.edu.au/xworld/sessions**

Deploying iPads in Rural Fiji

Judit Klein

@juditk

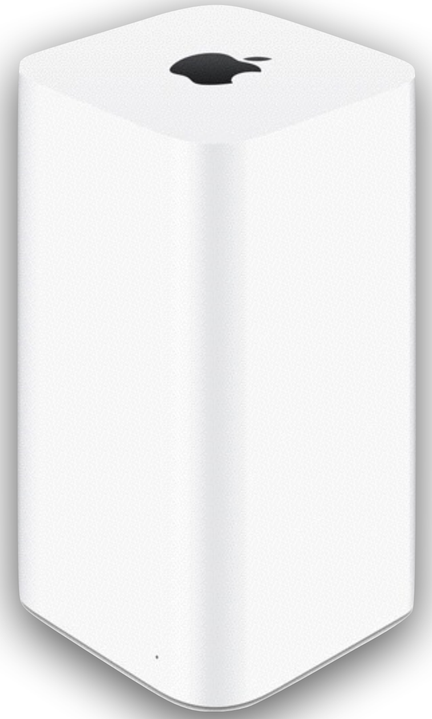
AUT UNIVERSITY LEARNING+ TEACHING

AUC

DIGITAL LEARNING ROOM
POWERED BY ROTARY

DIGITAL LEARNING ROOM
POWERED BY ROTARY

iPad
7:57 PM
16%
FaceTime
Monday
24
Calendar
Photos
Camera
Contacts
Clock
280
Maps
Videos
Notes
Reminders
Photo Booth
Game Center
Newsstand
iTunes Store
App Store
Settings
Messages
Mail
Safari
Music



x35

CHALLENGE #1

DIGITAL LEARNING ROOM SYSTEM SET UP

EQUIPMENT

Mac mini with OS X Server

Features a 2.3GHz quad-core Intel Core i7 processor that delivers incredible speed and performance, thanks to innovations like Turbo Boost 2.0, Hyper-Threading and an integrated memory controller

Apple AirPort Extreme

With three-stream 802.11ac technology, the AirPort Extreme Base Station takes Wi-Fi speeds over the top.
Up to 50 number of users.

iPad mini

Wi-Fi only for the Students and 3G enable for the teachers.
16GB with 7.9-inch (diagonal) Display.
Multi-Touch display with IPS technology
1024-by-768 resolution
Fingerprint-resistant oleophobic coating

Apple TV

Apple TV gives you access to the best content you can play content from your iOS devices on your TV wirelessly using AirPlay.

CONFIGURATION

Mac mini with OS X Server

Configuration of the server
Enable File sharing
*Enable Profile Manager (Create profile Apple configurator)
Network Server to AirPort Extreme

Apple AirPort Extreme

Cofigure Network SS ID and Password

iPad mini

Create Master Student and Teacher iPad Image
Back up to Mac Mini Server
Re-Image all divices from back up using iTunes
Add the devices to the Wirelless Network
Configure settings for Apple TV/WebDav

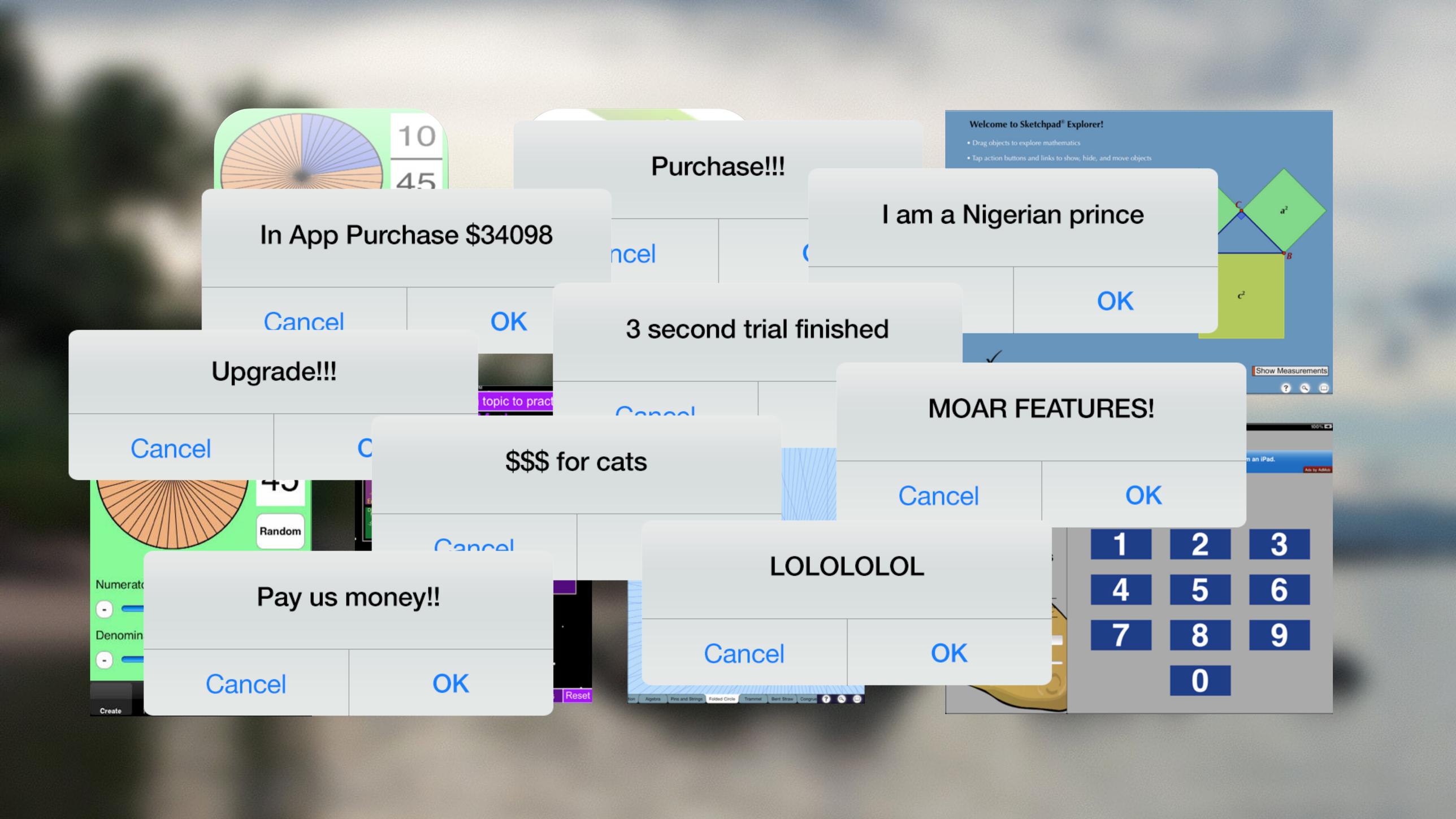
Apple TV

Add the Apple TV to the wireless network
Configure for AirPlay (Password)

DEPLOYMENT

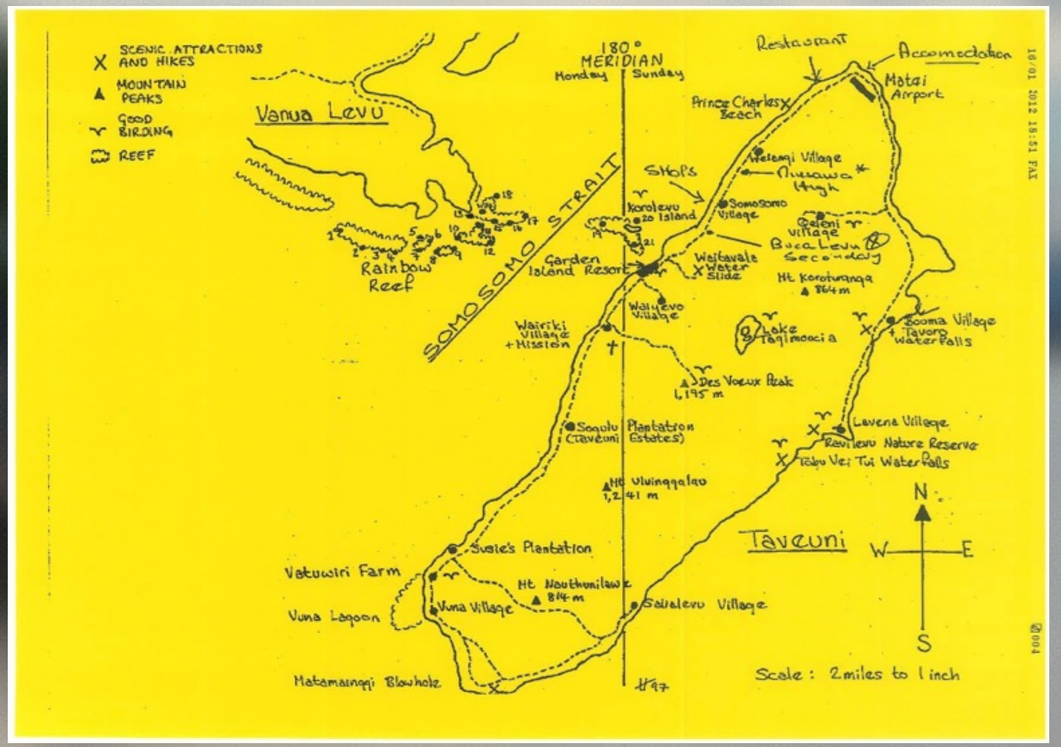
Classroom WiFi

PROBLEM #2


Purchase!!!
In App Purchase $34098
Cancel
OK
I am a Nigerian prince
OK
Upgrade!!!
Cancel
3 second trial finished
MOAR FEATURES!
Cancel
OK
$$$ for cats
Pay us money!!
Cancel
OK
LOLOLOLOL
Cancel
OK
Welcome to Sketchpad® Explorer!
Drag objects to explore mathematics
Tap action buttons and links to show, hide, and move objects
Show Measurements
Random
Create
Reset
1
2
3
4
5
6
7
8
9
0

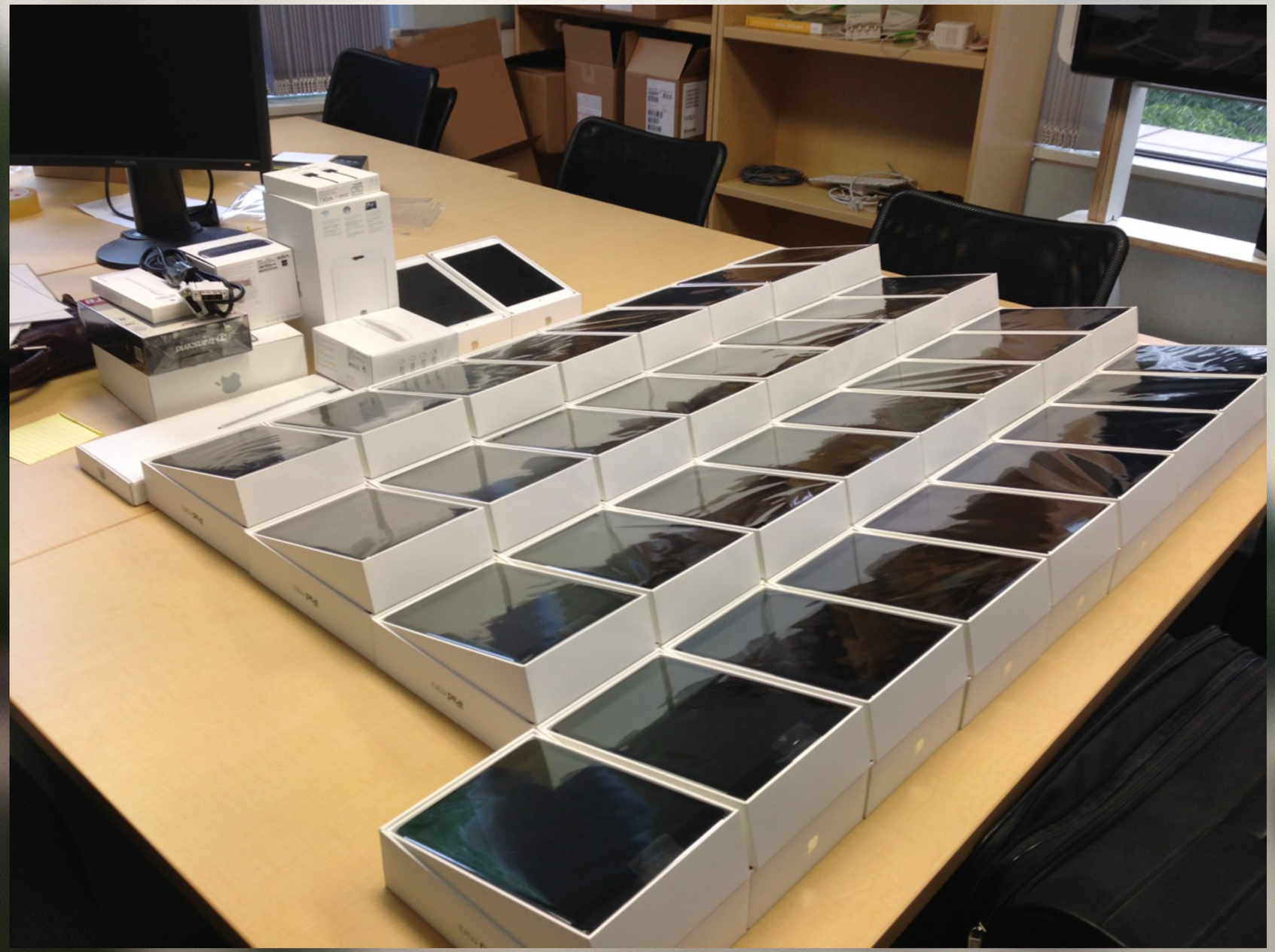
CHALLENGE #3

Taveuni
Lautoka
FIJI
Suva


SCENIC ATTRACTIONS AND HIKES
MOUNTAIN PEAKS
GOOD BIRDING
REEF
180° MERIDIAN
Monday
Sunday
Restaurant
Accomodation
Matei Airport
Prince Charles Beach
Vanua Levu
Weiangi Village
Nuwawa High
Shops
Korolevu Island
Somosomo Village
Geleni Village
Buca Levu Secondary
Garden Island Resort
Waitavala Water Slide
Mt Koroturanga 864m
Rainbow Reef
SOMOSOMO STRAIT
Waiyevo Village
Wairiki Village + Mission
Lake Tagimoucia
Souma Village + Tavoro Waterfalls
Des Voeux Peak 1,195 m
Soqulu Plantation (Taveuni Estates)
Lavena Village
Ravilevu Nature Reserve
Tabu Vei Tui Waterfalls
Mt Uluinggalau 1,241 m
Taveuni
N
W
E
S
Susie's Plantation
Vatuwiri Farm
Mt Nauthunilawe 814 m
Vuna Village
Vuna Lagoon
Salialevu Village
Matamainggi Blowhole
Scale: 2 miles to 1 inch

EXPECTATION

REALITY



70x iPad Minis
2x Mac Minis
2x Keyboards
2x Mice
2x External Hard drives
2x Airport Extremes
2x Apple TVs
2x TVs

+ assorted cables, dongles

1x collapsable crate
7x power boards
2x dish racks

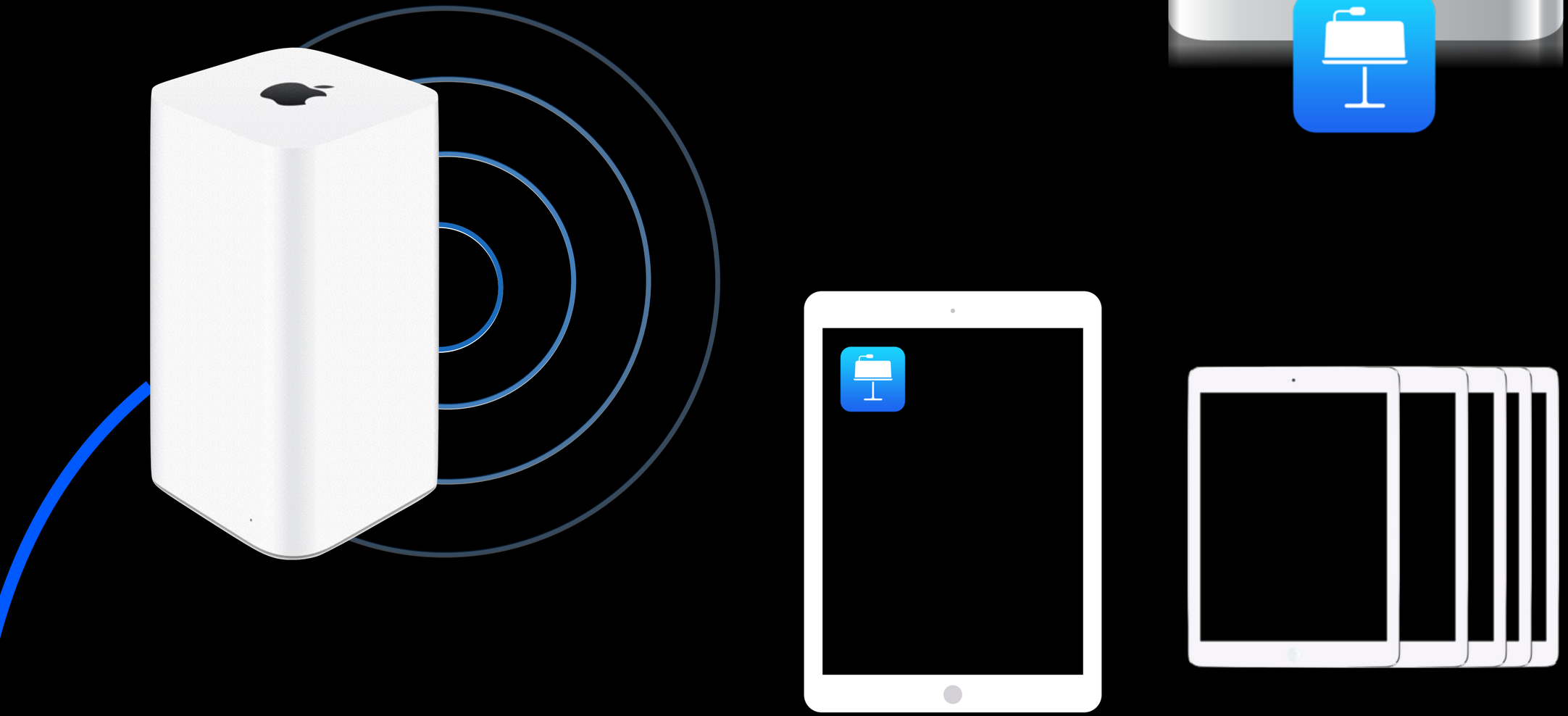
+lots of zip ties

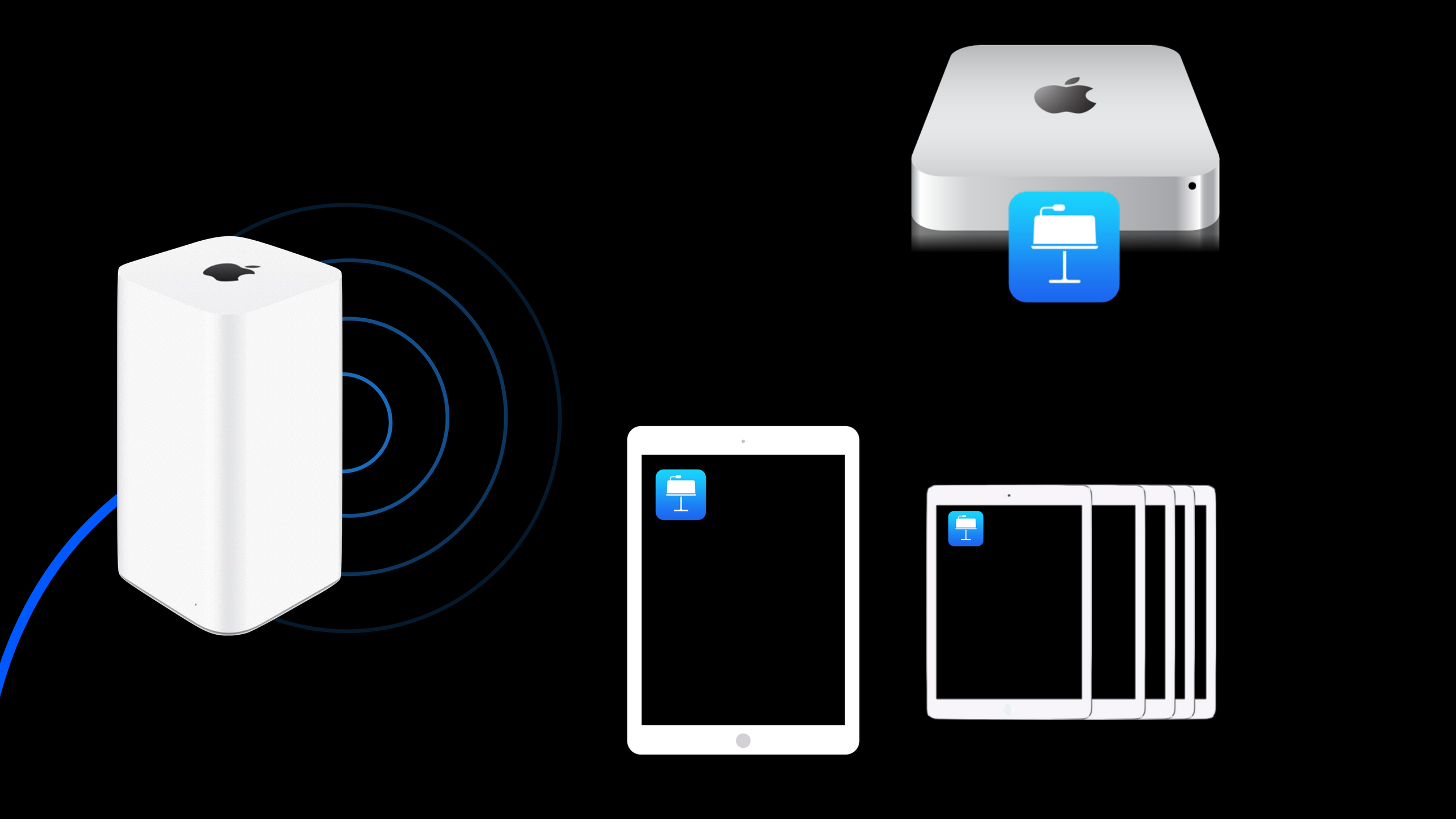
"Just smile lots."

DQ-FIE
PACIFIC SUN .COM.FJ

WELCOME TO MATEI

VEON
Power Switch





CHALLENGE #4

"I USED TO HAVE 3 KEYBOARDS. NOW I HAVE 35".

9:38

Tuesday, 4 March

One Direction 3h ago

One Direction's Louis Tomlinson blasts parents who slam band's lyrics

slide to view

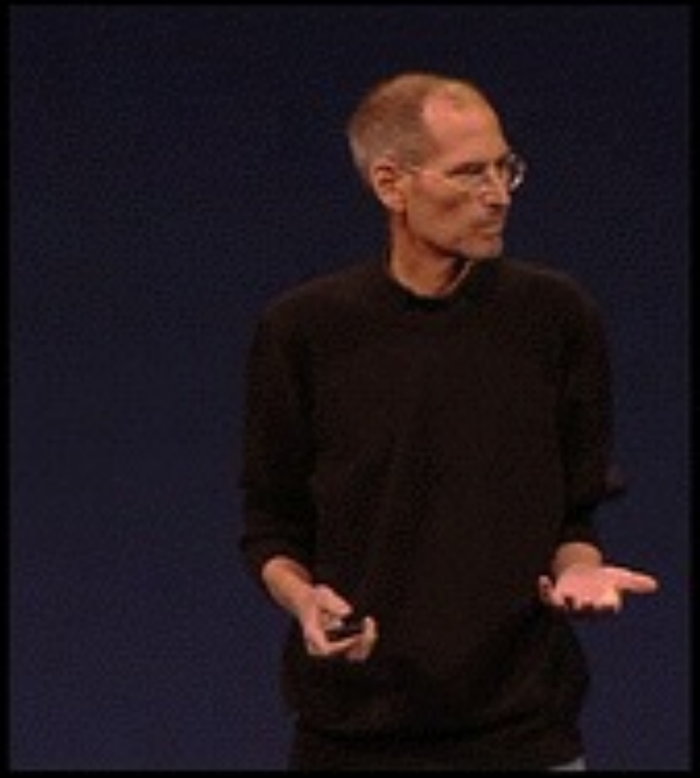
One Direction 1d ago

Oscars 2014: One Direction snub 'disappoints' Simon Cowell

One Direction 1d ago

Parents say sexual innuendo in One Direction song inappropriate for high school choir

Aralai Ratulele
• I'm very excited about the new tablets,it's so cool and fun.Since this the first time for me to see and also have some experience with using it.



“It just works”

150 Years of World History
3D CAD Models
Agriculture Encyclopedia
Algebra Touch
ArcGIS
Basic Programming Language
Chemical Detectives
Chemist
CloudOn
Codecademy: Hour of Code
Creative Book Builder
DataAnalysis
Economic Sales and Marketing
Essential Anatomy
Essential Skelton 3
Explain Everything
Garageband
GeometrIQ
Geometry Pad+
Google+
iBooks
iCell
iCrosss
iMicrobiology
iMovie
iTunes U
K Gallery
Keynote
Molecules
mPCCSWheel
My Accounting Teacher
MyScript Calculator
Numbers
Pages
Paper
Pascal Programming Language
Planets
Popplet Lite
PSE HD
Puppet Pals
Simple Physics
Spell Grid
Tap Typing
The Accounted
TinyScan
Tips and Tricks
Ubersense Coach
Visual Basic Programming Language
webDAV Nav+
Wolfram Calculus Course Assistant
Word Mover
World Atlas
WWII Interactive
YouTube

So what?

http://www.iadtschoolinabox.com

Unreliable internet

Unreliable electricity

No VPP in Fiji

Couldn’t use an MDM

Classroom set, rather than individual users

Rural / isolated from support

Reinforced concrete walls blocked Wi Fi signal

HTTP://DIGITALLEARNINGROOM.ORG