

Delivering Technology for Education to Disadvantaged Communities with LifeBox

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Overview



Broadband and Cloud Computing

- Cloud computing is a disruptive force
- Costs are dramatically reduced
- Examples include
 - o Facebook
 - Google Apps
 - o DropBox
 - Salesforce.com
- Any Device, Anywhere



Broadband and Cloud Computing



- Cloud Relies on broadband connectivity
- Mobile carriers continue to expand footprint of connectivity
- Satellite broadband is an option
- Africa 16% of population has broadband access
- Google exploring blimps, drones, and super cheap satellites for free service

Tablets

- Computers are expensive and fragile
- Tablets have become popular
 - Easy to learn
 - o Touchscreen
 - Downloaded apps
 - Cloud storage
- Mobile
- Durable
 - No moving parts
 - Data in cloud
 - Covers are waterproof, dustproof and protective



Tablets

Low-cost options becoming available

- Low cost chips from China company, Allwinner
- Chinese manufacturers
- Indian option
- Android Google Play
- Soon under U\$\$50

Powerful

- Most computer functions
- 10 hour battery
- Apps may function without broadband connection
- Over 1M apps on Google Play
- o Any time, Anywhere



LifeBox



Education Module

- Uniquely suited to take advantage of
 - Cloud computing
 - Inexpensive tablets
- Equipped with solar power – off the grid for charging tablets
- Equipped with broadband connectivity
- Wi-Fi hotspot for community

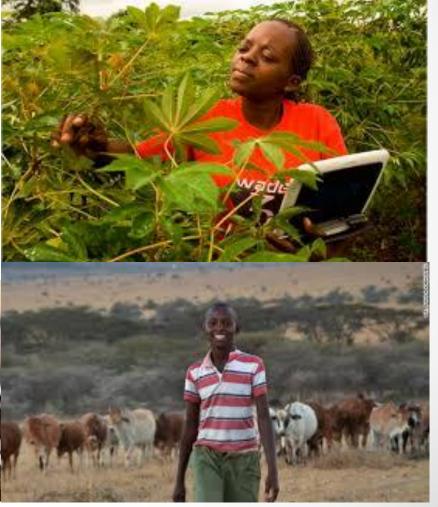


Education Module

 Once a student has a tablet and access to internet, the education paradigm is shifted

 Tablets can be loaded with video lectures and homework





Technology Hub

- From classroom to a technology or digital hub for
 - o eLearning
 - eCommerce
 - o eMedicine
 - Communication
- Increased opportunity for economic activity





Conclusion

- LifeBox ideally suited for a classroom in disadvantaged areas
- Solar energy and broadband connectivity allows the LifeBox to become a technology hub
- Tablets are easily and securely stored for charging
- Can be used for classroom instruction or self-paced study for those unable to regularly attend traditional school setting
- Learning can occur at any hour of the day
- LifeBox's technology can be used by the community for commerce, medical, and communication

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