

World Links for Development



...opening a world of learning

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The "WorLD" Program

The Mission

To help establish a global learning network linking thousands of youth and educators around the world

To improve & expand educational opportunities and horizons

To prepare youth to develop skills to effectively enter a global economy based on knowledge and information

To build bridges among the leaders of tomorrow -- bridging the digital divide.

The "WorLD" Program

Bridging the Digital Divide

- ➔ EDUCATION: ICT Skills for a new economy
- ➔ ACCESS: Broadening the reach of Internet technologies
- ➔ POLICY: Sharing Knowledge and Best Practices



World Bank and "WorLD"

- World Bank initiated WorLD Program in 1997
 - » provides core funding for Latin America program, training materials dev't, M&E and some staff
 - » Integration with Development Education Program. Collaboration with AVU, GDLN, Global Gateway.
- WorLD Organization (separate 501c3)
 - » primary vehicle for delivery of WorLD program in Africa.
 - » Funders are foundations, private sector individuals and corporations, development agencies, etc.

Bridging the Digital Divide: Education

- Six 40-hour teacher training modules
 - » Computer Literacy
 - » Introduction to the Internet for Teaching and Learning
 - » Telecollaborative Projects
 - » Curriculum and Technology Integration
 - » Diffusion and Evaluation of ICT Innovations
 - » Integrating Sustainable Development Into the Classroom -- WED DL Course

What can teachers/students do?

- Access a global body of educational resources and knowledge
 - » International Libraries, Museums, Educational Activities, Lesson Plans
- Design and participate in global collaborative projects, selected from from a wide range of academic disciplines linked to curriculum
 - » Social Studies/Biology/Chemistry/Physics/Math
 - » Language skills/Music/Art
- Contribute own content, perspectives, and heritage, to the body of world knowledge

Collaborative Projects

Characteristics:

- ➔ Linked to curriculum, often interdisciplinary
- ➔ Link learning with real life issues and community (poverty, health, culture, environment, etc)
- ➔ Student-Centered and Hands-on
- ➔ Cross-national and (often) Cross-linguistic
- ➔ Students/Teachers become collaborators & content/knowledge providers



Collaborative Projects

Examples:

- ✓ AIDS/HIV
- ✓ Flora and Fauna of Peru
- ✓ Women and Tradition
- ✓ International Cooperative Atlas
- ✓ The Refugee Project
- ✓ Global Arts Project
- ✓ Outreach to Our Communities
- ✓ The Impact of Industrialization on Development
- ✓ Science Review
- ✓ Learning Through Literature



Bridging the Digital Divide: Access

- established 500 Internet Learning Classrooms
- Schools As Community Internet Learning Centers - new 40-hour Training Module
 - » *Pilot Test in Zimbabwe in January*
- Mobile Internet Learning Centre
- Uganda Rural Wireless Internet Connectivity Pilot
 - » *Satellite Technology combined with wireless terrestrial*

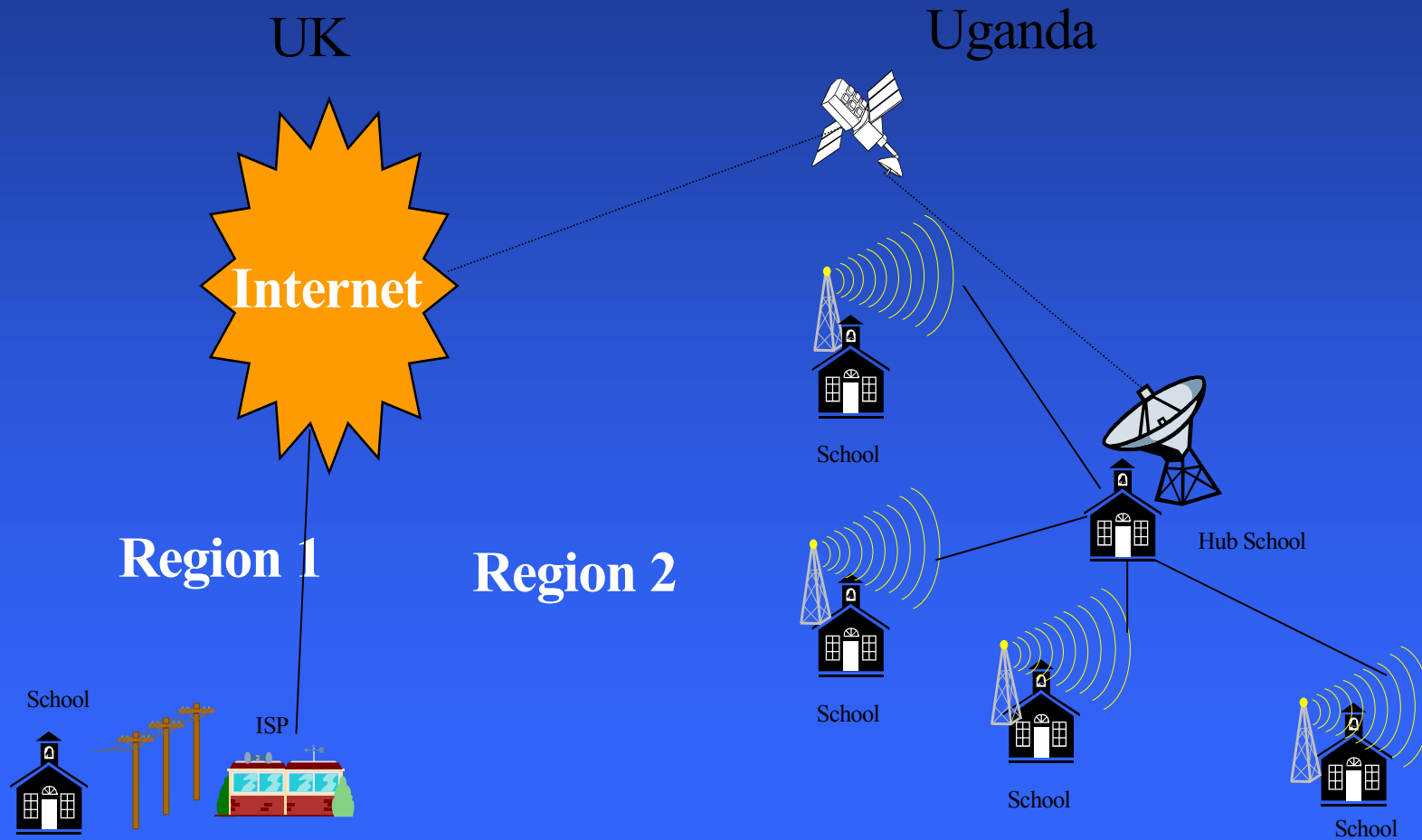


Over 500km from Harare, Zimbabwe



"Real Participants!"

Uganda Wireless Internet Connectivity Pilot



Uganda Wireless Internet Connectivity Project

- **Technology:** Internet delivered via VSAT and spread spectrum (Gates Foundation)
 - 9 school-based - VSAT
 - 1 National Teacher Training College - VSAT
 - 1 Hospital - VSAT
 - 5 schools - spread spectrum
- **Clients:** Internet Learning Centres
- **Energy:** All but 1 on electric grid, but will use back-up (e.g., diesel generators or battery bank)
- **Kiisizi Hospital:** partnership with Bank 's Energy for Rural Transformation - w/use hydro-power

Bridging the Digital Divide: Policy

- New 40-hour module for Policy makers
 - » Pilot Test in South Africa in January
 - » advice how to implement ICT in education
 - » Action-oriented for national rollout
- Telecommunications Awareness Raising
- Private-Public Sector Partnerships

World Achievements

Since 1997:

- ▶ pilots in 20 developing countries
- ▶ Over 100,000 teachers and students participating
- ▶ 65% from poor/rural areas
- ▶ 32 partner countries
- ▶ hundreds of projects
- ▶ external evaluation

...with demand from over 25 countries to join

Pilot Countries

Brazil	Paraguay
Chile	Peru
Colombia	Senegal
Ghana	S. Africa
Palestine	Turkey
Mauritania	Uganda
Mozambique	Zimbabwe
Sri Lanka	Philippines
Botswana	Costa Rica
Gambia	El Salvador

Teaching & Learning Results

Skills for a New Economy

Teaching and Learning Impact:

- » Improved skills, attitudes and knowledge
- » Positive technological, academic, pedagogical and communications impact
- » Information Reasoning, Collaboration, Teamwork, Communications, Problem solving skills improved.

Employment Impact:

- » Students (70%) claimed the WorLD program improved their ability to get a job

Gender Impact:

- » Girls are performing as well as or better than male students

Sustainability:

- » Ministries, schools, parents and private sector cover costs
- » Every WorLD school remains in the Program ("the market test").

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www.worldbank.org/worldlinks