2006 Project:
St. Kizito
Secondary School
Uganda

4 One World, http://4oneworld.org, seeks to provide educational resources to schools in the developing world. We believe that all children deserve essential tools to enable learning and empower them as individuals.

This overview will outline the project goals and specifications for our 2006 project: Provide St. Kizito Secondary School with a complete computer lab, including all necessities of hardware, software, desks, chairs, printer supplies, power consumption, internet access, technical support, and most importantly a qualified instructor to teach both staff and students.
The primary goal of this project will be to raise the necessary resources to provide St. Kizito with 3-5 years of computer lab funding. The project specifications are as follows:

- (3-5) Years of Salary for a full-time lab instructor/system administrator
- (3-5) Years of High-Speed Internet access
- (50) Pentium III MSWindows98 workstations with the following software and hardware:
    - Each workstation has at least: 400MHz Processor, 64Mb RAM, 3Gb HDD, and 100Mbps NIC
    - Each system includes the following: 17" monitor, keyboard and mouse
    - (25) systems will include a CD drive
    - (10) systems will include a CD-RW drive
    - (5) systems will include Step-By-Step Learning MSOffice 2000 tutorial software
    - OpenOffice Open Source Solution: word processor, spreadsheet, presentation creator, graphical editor, HTML editor
    - DeepFreeze: protects OS from being altered
    - Interactive English Dictionary
    - Mavis Beacon: typing tutor
    - Acrobat Reader
    - Paint Shop Pro
    - WinZip

    - 1 year warranty
- (50) Desks and Chairs for the computer lab
- (25) UPS Backup Power supplies to protect against surges and power failures
- (10) Replacement Hard Disk Drives in the event of drive failure from refurbished conditions or power related failure
- (2) RHLinux No-Maintenance LAN Servers
    - Open Source Operating System
    - File Server: personal file folder for staff and students
    - WWW Cache Server: pre-download commonly access WWW sites to increase speed for the entire lab
    - Email Server: each staff and student can have a web-mail account
    - RAID Hard Disk Controller: a redundant hard-drive protects against data loss in the event of a hard drive failure
    - UPS Power Supply Backup: a battery backup protects against power-outage related hardware failure
    - Remote Monitoring: the server is monitored by a non-profit company which will notify the vendor and system administrator of any detected problems
- (2) Network Training Workshops
        - 5 Staff and students
        - One week
        - Learn all necessary skills to install and maintain their own LAN
- (4) Network Printers with (5) years of paper and toner supplies
- (8) 8 Port Network Switches
- (500) meters of category 5 network cable, and (200) network connectors with necessary punchdown and crimping tools, as well as modular plugs and outlets
- (3-5) Years of electrical power supplement for the lab equipment consumption

The goals of these specifications include the following:

- Increase global access to those in the developing world, to foster a world of equality and decrease the digital divide created by the PC revolution and dot-com boom.
- Encourage self-sufficiency of staff and students by empowering them to maintain the lab and the hardware independently. Using tutorial software and using advanced students to teach others will increase self-reliance. 4 One World promotes the proverb: catch a person a fish and they will eat for a day, but if you teach a person how to fish they may eat for a lifetime.
- Connect, via websites and email, students from St. Kizito to other students throughout the world, increasing awareness of the conditions and cultures of all involved.

- Create a community lab where students can teach their parents or relatives outside of school hours, extending the learning potential and increasing sense of community while potentially earning revenue for the school.
- Introduce Open Source softwares, Linux OS and OpenOffice productivity software, in order to decrease costs over short and long-term, as well support community focused projects rather than have to continually purchase upgrades of software that doesn't allow for users to not only contribute feedback but to actually participate in the development of the software itself.
- Work with other non-profit organizations as vendors and suppliers to meet mutual goals.
- Allow children throughout the world the same opportunities, despite economic conditions or geographical location.
- Create a long-term solution and investment in future of the students, staff, and community surrounding St. Kizito.

The next step is to **DREAM BIG**!