

## Kigali Christian School

Kigali Christian School is a private Christian school owned and operated by Rwanda Youth for Christ in Kigali, the capital city of Rwanda. It's doors first opened in January 2005.

In the first year the enrollment was 140 students (pre-school through 3rd grade.) In the second year the enrollment grew to 370 students (pre-school through 4th grade.) Kigali Christian School will continue to grow each year until enrollment reaches almost 1,000 students, pre-school through 12th grade.

Class sizes at Kigali Christian School range from 15 to 30 students, in distinct contrast to the 50 to 90 students found per classroom in neighboring public schools. The teacher to student ratio at Kigali Christian School is approximately 1 to 15, unlike the public school ratio that is more like 1 to 60.

Currently Kigali Christian School is experiencing a critical water problem which the government of Rwanda wants addressed as soon as possible.



Please consider partnering with us to assist Kigali Christian School with continuing to provide the quality of education these children so richly deserve.



### Kigali Christian School

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## Kigali Christian School



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# The Critical Water Problem

The Kigali Christian School is located on about 17 acres of land and is located at the top of a hill in Kigali, Rwanda. The city supplies the school with water through pipes and the supply is inconsistent in the dry season. This means that many times the school needs to hire expensive private companies to deliver water by truck to fill their small tank for the compound. The water supply during the dry season is not enough for the school to adequately operate the school facilities. Many times there is not enough water and as such bathrooms can not be used.

Kigali Christina School has 8 large buildings on their compound which means that they have a lot of square feet of roofing. As they are located at the top of a hill, during

the rainy season, the water runoff from the roofs creates problems for their neighbors down the hill. The government has given the school a short time to provide a proposal about how the school is going to resolve the problem for their neighbors and the environment.

## The Solution

The solution is costly and requires the installation of a gutter system to be placed on all of the buildings. The water shed from the roofs will be channeled into two underground water tanks. The water will then be pumped to the properties for use at the school. Water will be stored during the rainy season thereby lessening the

harmful impact on the environment, as well as create a reserve for use at the school facilities. During the dry season they will not have to rely on the city's inconsistent water supply or expensive private companies for their water needs. This underground tank system is the only feasible solution.

## Who Will Benefit From This Project?

**Kigali Christian School.** The school serves poor and middle-class families from neighborhoods on the outskirts of Kigali. They provide scholarships to about 30% of their students because they are unable to afford attending the school. The school believes that hygiene is



very important for the well-being of their students, which is why they have built flush toilets (the normal toilets in other schools are usually small pits in the ground), with soap and water for the students to wash their hands. This is also why the school is diligent about making sure that the toilets and their entire compound is kept clean. This reduces the chances of students becoming sick through poor hygiene and basic sanitary needs. This in return decreases the number of days that students miss school due to preventable illnesses. The proposed water project will allow the use of funds more efficiently to improve other parts of the educational program.

**Children from the community.** The school facilities are used for other purposes when school is not in session. For example, during breaks in November and December, Rwanda Youth for Christ has organized camps for elementary and secondary school students from the area. Each camp week usually consists of 100-150 kids

**The Environment.** As mentioned before, this is creating an environmental problem. We will

be able to correct the problems created by the buildings, and remain in good favor with neighbors and government officials. Reserved water could be used to plant and maintain trees that would be beneficial to the property to prevent erosion. A school lunch program is also planned and to provide a majority of the needed produce from a garden or small farm on the property. Any reserve of water could help sustain the garden during the dry season, allowing the production of food year-round.

## Project Overview

Our plan is to build two underground water storage tanks. These tanks will be 40 cubic meters (about 10,600 gallons) and 80 cubic meters (about 21,200 gallons). The smaller tank will be about \$12,100 and the bigger tank will be about \$16,500. The water stored in these containers will be available to use for non-potable water needs (toilets, showers, and cleaning the facilities). This will provide a savings from having to use the city's water supply. This will also give a reserve to use during the dry season. To get the water to the tanks a guttering system needs to be installed and plumbing from all the gutters to the tanks. Pumps and plumbing will also be installed to get the water back up the hill to the toilets and showering facilities. All of this plumbing will cost about another \$16,500. This totals about \$45,000.

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