Business Plan

When he was just a boy in a school in the Central Plateau of Haiti, James came into the possession of _knowledge_ that would change the path of his future.

When just a boy on the Central Coast of California, Broden came into the possession of _experience_ that would set the course for his future passion.

Knowledge & experience, the keys that unlock the potential to achieve success, are now more than ever possible in the digital age.

Together, these two individuals founded **Krik?Krak!** Computer Project, an affordable, accessible technology education model for the rural primary school students in the Central Plateau of Haiti. The name of this project is based on the Haitian call & response meme used in storytelling, where the storyteller will announce his intentions to a potential audience by proclaiming _"Krik?"_, at which time the receptive group of listeners will answer _"Krak!"._ **KrikKrak Computer Project** has a story to share, and we know the students are ready to receive it.

It is generally known that Haiti is the poorest country in the Western Hemisphere. It is home to 10 million people, 43% of whom are under 15 years of age. The average child only completes 5 years of formal education, and only 20% of these students go on to high school. Furthermore, 80 – 90% of all Haitian schools are private, and the majority of them require a tuition that most Haitian families struggle to pay. These schools still use an outdated French system of rote memorization and copying notes from a chalkboard without collaboration or hands-on learning. Perhaps worst of all, only 20% of Haitian teachers have any formal training.

Krik? Krak! Computer Project acknowledges these statistics and is aware of other organizations that are working to make change*. We believe that **Krik? Krak!** will be a part of this movement to offer opportunities and increase the quality of education for the rural students of Central Haiti.

Vision

We believe in the power of technology and information literacy to bring equity to education, economic opportunity and human rights outcomes throughout Haiti.

We envision an affordable model of delivering technology and information literacy to the primary school children of Haiti's Central Plateau and ultimately, beyond. Our goal is to provide the knowledge and experience that empowers young students to seek solutions

to the challenges they face and to give them the means of achieving their own goals, both now and for future generations.

Mission

We use hands-on instruction to educate primary school children in the rural Central Plateau of Haiti. We teach computer literacy for information access, responsible digital citizenship, and the development of employable skills to take advantage of educational and economic opportunities in the digital age.

How We Do it

Operations

We will achieve our goals through the deployment of a mobile computer lab, which will include offline internet technology with access to dozens of open-source applications including Khan Academy in French, digital libraries like Project Gutenberg, and Wikipedia in Creole, French, English and Spanish, just to name a few. Our laboratory will be managed and operated by computer technologist/teacher (CTT) and co-founder **James Declerus.**

First, our staff will obtain the acceptance of the program from each respective school administration, including the parents and the teachers. The teachers will receive the same training as the students to ensure that their computer literacy is well established or even increased and that they become partners in the project.

The students will complete an individual questionnaire at both the beginning and the end of the program, which will measure successful outcomes and identify areas within the program that need improvement.

We will deploy an age appropriate computer literacy and information curriculum which meets the Haitian Ministry of Education standards and matches computer literacy curriculums found in US schools.

James, our CTT, will be provided accommodations for one month by each participating school community. After the initial teacher training, which will occur on the first weekend of the program, the CTT will teach basic computer literacy to all 4th, 5th and 6th graders for one hour each day for one month, thereby ensuring that each student receives approximately 20 hours of education in computer and informational literacy. The program will be implemented in 6 schools and reach 400 students in just the first year.

Initially, we will partner with schools selected on their ability to provide power by generator to meet the needs of recharging the program's laptops.

We will also be partnering with a newly built regional library in Hinche, where we will work to establish a weekly computer technology club, one for primary school children to learn our basic computer literacy curriculum, and a second more advanced group to learn coding and other advanced applications in software and technology.

Tools

We will refurbish laptops donated by U.S. school districts to supply our mobile computer lab. Although these laptops may no longer meet the standards of modern US schools, they will have several good years of use left in them, helping to keep our capital costs down as well as benefiting the environment by deferring the creation of e-waste.

We have built an offline microcomputer internet device, using a Raspberry Pi computer paired with open-source software which includes *Kiwix, OER2* and *Rachel.* This device will allow students in rural communities to have the experience of accessing information on the internet even where internet is not yet available. We will also take advantage of open-source software and Microsoft software donation programs to develop our offline internet content and laptop configurations.

Who We Are

James Declerus

"I am from a community in the Haitian countryside called Lamare. I moved to Hinche, the capital of the Central Plateau to live with my grandparents and attend a secondary school called Lycee Dumarsais Estime. I come from a long line of educators and they place extreme value on education.

At 14 years old, I saw for the first time a computer at my school. Since this moment I fall in love with computer science. I have completed a bachelor's degree, this year, in Computer Science from Ecole Superierue D'Infotronique d'Haiti. It was always my dream to return to my hometown and provide opportunities for other students to learn about technology. My greatest wish is to see that more young people have access to computers and the internet. Because once a computer is connected to the internet, it is a mobile university, a way to earn a living, it's a world to discover."

Broden Murray

"I'm sixteen and I've lived my whole life in sunny and sheltered Carmel Valley, CA. I'm currently a junior at Carmel High School, and I hope to study computer engineering at a university.

I've been fascinated by computers ever since I could read: whether for research, computer gaming or personal projects, I'm always active in computer technology. In software, I have experience with Java, HTML and Python; in hardware, I've built a drone, a sumo robot, as well as Arduino and Raspberry Pi projects. I've also hosted my own game server and programmed for our high school robotics team.

In 2017, my church mission group asked me to go to Haiti with them to help implement a new computer lab for a school they have supported for 30 years. I was intrigued, as my older sister had gone two years before, and now it was my turn. Life in Haiti was difficult, and it hit me hard. There, however, I met James, co-founder of the project. Our mutual passion for technology and all that it can bring to young people in Haiti made our partnership synchronous.

Responsibilities

James:

Haiti Community Liaison // Rural School Liaison// Computer Teacher-Technician //Curriculum Developer // Haiti Website designer//Social Media Contributor

Broden:

US Community Liaison // Fundraiser // Equipment Acquisition // Treasurer // Raspberry Pi Offline internet builder// Social Media manager // Project Plan Editor //US WebMaster

Financial Projections and Plan

Expenses estimated:

15 refurbished laptops/chargers	$750
15 wired mice and pads	$150
Surge protector 15 outlets	$45
Raspberry Pi Offline Resource device	$80
2 hard-side storage containers	$40
Paper/printing – questionnaires/curriculum	$75
Computer repair kit	$35
Travel projector	$150
Shipping costs	$525
Transportation in Haiti ($30 per month x 5)	$150
Computer Teacher/Technologist salary $400/mo. x 5	$2000

(March - July 2020)

| | Total: | $**4000** |

Funding:

Gofundme page: friends/family/public	Goal:	$3000
Grant/donations/bracelet sales	Goal:	$1000
	Total:	$**4000**

*USAID/Haiti Education Fact Sheet, Caribbean Internet User Data 2016, VA Engage Journal "Developing Information and Communication Technologies for Education in Haiti 2017"

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