



**Hyperion Development**

**Projects**

Project Endymion

2013

[www.hyperiondev.com](http://www.hyperiondev.com)

## **Project Endymion**

Project Endymion was initiated in October 2012. Through this project, Hyperion aims to bring low cost computers to the people who need it most in South Africa. The majority of school learners in South Africa attend schools in rural areas far from major urban hubs, or schools in township areas. A lack of technology, access, training, funding and interest in these schools has lead to extremely poor levels of education for students attending these schools which in turn has lead to a poor levels of school education across South Africa as a whole.

While Hyperion focusses on IT - we can most definitely help these schools in a genuinely useful way by providing the infrastructure to support enhanced learning across all these areas - computers. Hyperion has innovated the 'HyperionBox' - a complete package containing a fully functioning computer brimming with educational maths, IT, literacy and science teaching for teachers and students in these rural school communities..

The Hyperion Box costs approximately R1 600 to build and is superior in speed, software, portability and cost effectiveness than any similar priced computer. The computer within is a fully fledged desktop running HyperionOS - a linux based operating system distribution with educational software such as an offline Wikipedia, offline database of Khan Academy math teaching videos aligned to South African grade 8-12 Math Syllabus, basic computer and IT guides (mouse and keyboard skills), and an offline version of the Hyperion Java and Python beginner courses from the Hyperion Teaching Project aligned to the South African High School curriculum

Hyperion also employs second hand donated or purchased computers to build Hyperion Boxes, though all use the HyperionOS. Candidate installation locations for a Hyperion Box lab are selected carefully for maximum impact to the community. Schools intending to use the computers to begin offering IT as a high school subject in South Africa are given immediate priority and teachers at these schools are provided with free Java lessons from Hyperion Developers towards allowing the school to enrol students in IT.

Hyperion closely monitors each school installation by revisiting schools every two weeks to monitor usage of computers. Free maintenance of all computer labs is provided by Hyperion through problem reports that IT teachers fill out and give to a Developer on his next visit whereafter the PC is then fixed by the Developer.

## Project Endymion contd.

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**Date Initiated:** October 2012

**Funding:** Innovative Initiative Grant - University of Edinburgh Development Trust to Riaz Moola  
Santander Bank & University of Edinburgh award to Riaz Moola  
Donated computers and parts

### **Installation locations:**

- Riverdene Secondary School - 10 Computers. Newlands West, Durban January 2012
- Dloko High School - 8 Computers, Umlazi, Durban January 2012
- Durban Children's Home - 8 Computers requested, location checked and viable but on reserve.
- St Martins Childrens Home - 10 Computers requested, location checked and viable but on reserve.
- Lake Havens Children's Home - 6 Computers requested, location checked and viable but on reserve.
- Potential school installation sites: Over 30 within 50 kms of Durban identified, checking for viable locations
- Current school children with access to installed Hyperion Boxes: 996