



Annual Report on Intel® Teach South Africa 2012

1 Contents

| | | |
|------|---|---|
| 1 | Contents..... | 1 |
| 1. | Introduction | 2 |
| 2. | Localisation of Elements courses | 2 |
| 3. | Intel® Teach Training..... | 3 |
| 3.1 | Vodacom Centres..... | 3 |
| 3.2 | ISPA Training | 4 |
| 3.3 | InMed Training – Orange Farm, Gauteng | 4 |
| 3.4 | DOC Mahlane High School- Bushbuckridge, Mpumalanga | 5 |
| 3.5 | InMed Training- Leadership | 5 |
| 3.6 | Mpophomeni – Getting Started Training (27-31 August) | 5 |
| 3.7 | Kgosietsile Lethola High School (7 -10 May)..... | 5 |
| 3.8 | Kgosikeehe Scotch Mankuroane Primary | 6 |
| 3.9 | Transforming Learning with One to One Learning | 6 |
| 3.10 | Department of Correctional Services (10-13 December 2012) | 6 |
| 3.11 | University of KwaZulu-Natal PGCE..... | 7 |
| 4. | Advocacy | 8 |
| 4.1 | South African Extraordinary Schools Coalition | 8 |

4.2 AdvTech Group Conference for High Schools 8

4.3 The KZN Department of Basic Education and Coega Development 8

4.4 University of the Witwatersrand Advanced Certificate in Education 8

4.5 edICT (Education ICT Society- for Durban and wider KZN) 8

4.6 SABC Education Expo (Nasrec) – 9-11 October 2012..... 9

4.7 Vodaworld Expo 9

5. Conclusion..... 9

6. 2013 9

1. Introduction

There was a reduced budget to cover teacher training in 2012. In principle the aim of training that was to happen in 2012 was to move South African teachers to the higher levels of ICT integration. This was in contrast to 2011 where the focus had been on providing Getting Started training to as many teachers as possible. This had incurred extensive expenditure which was no longer necessary in 2012. Easy Steps was to be introduced to South Africa with Andre Christian being the senior trainer.

Another objective in 2012 was to focus on specific projects and particularly initiatives that were prepared to fund Intel training. These included interventions by The Mlambo Foundation, INMED, ISPA (internet service providers association) Samsung and the Vodacom Foundation.

2. Localisation of Elements courses

SchoolNet had previously localised the Project Based Approaches course in the Elements suite. Two further Elements courses were localised for Africa at the beginning of the year. This was a long process with a good deal of planning and organisation of actors for the photos and the voices. The brief was to localise for use in the whole of Africa so great care was taken to select models and voices that were neutral and not noticeably South African. This process was managed by Laura Clampitt in the USA and Gerald Roos in Cape Town. The localised materials for the two courses were finally completed in March 2012.



Assessment in the 21st Century Classroom



Project Based Approaches



Collaboration in the Digital Classroom



Thinking Critically with Data

Later in 2012 the same localisation process was undertaken for a fourth Elements course, *Thinking Critically with Data*. The completed draft version was submitted to Intel at the end of June and the final version became available in October. This brings the total number of Intel Teach Elements courses available in Africa to four.

For the new year SchoolNet will produce a DVD which includes all courses linked from a newly designed index page.

3. Intel® Teach Training

3.1 Vodacom Centres

The first two Vodacom centres to receive training of trainers in Getting Started were the *Nkangala Centre* in Witbank, from



March 23rd – 25th and the *Sunnyside Centre* in Pretoria from March 26th to 28th. This was co-funded by the Vodacom Foundation and the intention was for these centres as well



as Vodacom centres in the rest of the country to build capacity in their trainers in order for them to offer more Getting Started to teachers on an on-going basis at the centres.

The session in Witbank was attended by eleven prospective candidates but only five were approved as trainers. The Pretoria session was attended by eighteen potential trainers. Seven were sufficiently capable of becoming trainers immediately and three were deemed to be able after they shadow another trainer as an assistant trainer.

In September Getting Started training was completed for the Makhado Vodacom Centre in Limpopo. This training was attended by twenty one participants from schools around the Vodacom centre. Participants had mixed abilities but all of them were computer literate. The participants worked through the course with interest and in their reflections they noted that it was challenging to complete all activities. Nine trainers were appointed as trainers for the Intel Teach- Getting Started course.

The Siyanda Resource centre in Upington, Northern Cape received their Getting Started training of trainers in September 2012. There were 11 participants in attendance with four district officials and two community members. This venue had 34 computers with unstable connectivity however all modules were completed. There were two trainers appointed.



In Lady Frere, there were 20 participants who attended training in October 2012. Five were from the district and 15 teachers from the surrounding schools. Five trainers were appointed.

The Worcester Resource centre had eight teachers who attended training and four trainers who were appointed.

In the new year we expect to complete the training of trainers at these remaining centres: Free State, KwaZulu Natal and North West.

3.2 ISPA Training

Getting Started training – Mankweng, Limpopo

Pula Madibogo Primary School and a cluster of five other schools in the Mankweng area of Limpopo benefitted from an ISPA funded Intel Teach Getting Started workshop. Sixteen teachers attended during the April holiday. Although teachers were primarily ICT literate with many already in possession of ICDL certificates; they reflected that this training arrived just in time and allowed them to engage with scenarios they could immediately implement in their schools (2-4 April)

ISPA- Elements training – Mankweng, Limpopo

Intel Teach Elements training for the same teachers who attended the Getting Started training in April was offered from 25-28 June. Twelve teachers from seven schools attended this training. Interviews with participants were captured on video and available from the SchoolNet YouTube site.

3.3 InMed Training – Orange Farm, Gauteng

Seven schools were represented in this training workshop with InMed staff on hand to assist. Twenty-one principals and representatives from seven schools attended this workshop. Janet Ogilvie and Khumbudzo Manyaga from InMed assisted with logistics.



3.4 DOC Mahlane High School- Bushbuckridge, Mpumalanga

This training was offered after a special request was sent through to Intel by the Department of Communication. Although training was setup in good time, many challenges were encountered including a power cut. Some teachers did not attend due to their Curriculum and Assessment Policy Statement (CAPs) training commitment. Support staff was brought in to supplement the training group and this ensured twelve participants for the course.



3.5 InMed Training- Leadership

This training consisted of a one day training course held on August 24th. There were eleven principals present from four schools namely: Steve Biko Primary, Moloantoa Primary, Rekgutile Primary and Seipone Primary.

Seven of the eleven participants had email addresses and this showed that ICTs were increasingly being used at these schools. This new course was well received. However stable connectivity was not available and this created some challenges with access to the online course. The time was not sufficient to complete all four course modules. It is recommended that this course be available as an offline version and be facilitated over two days.

3.6 Mpophomeni – Getting Started Training (27-31 August)

Twenty two teachers from three primary schools around Mpophomeni attended training. Almost all participants had never touched a computer before and thus had limited or no ICT Skills. Primary schools in Mpophomeni do not have access to computers at their individual schools and many teachers were hopeful that they would be able to bring their learners to the centre to allow them access to computers.

Most teachers felt that they were old and not able to cope or finish the course. It was encouraging to note that all teachers attended all days of training and remained enthusiastic about the new skills they had learnt.

3.7 Kgosietsile Lethola High School (7 - 10 May)

Kennedy Segomola, a North West Department of Education official, based at the Taung Enrichment Centre, facilitated training at Kgosietsile Lethola High School. Eleven teachers attended and completed this training. Some “older” teachers had never touched a computer before. The trainer was humbled by their enthusiasm to learn more and teachers



were encouraged that by the end of the training they were able to produce useful artefacts displaying their ICT skills.

3.8 Kgosikeehe Scotch Mankuroane Primary

Eleven teachers attended training from 13-15 August. The trainer was surprised that almost all teachers at this school were young. Almost all teachers had previously interacted with ICT devices.

The training was well received and most teachers indicated that they enjoyed the activities and the pace of the training. On the other hand, they also expressed their concern that four days was not adequate. They wanted to have regular training to gain more competence in ICT.

3.9 Transforming Learning with One to One Learning

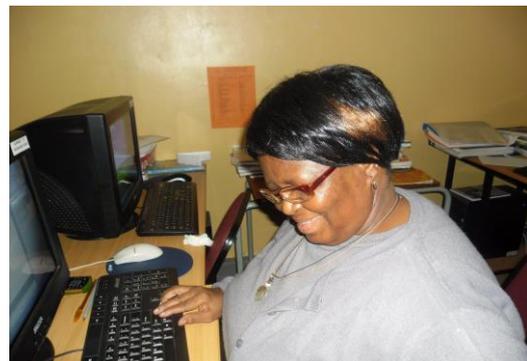
1. Rondebosch Boys Prep

In October, Intel launched its Transforming Learning with One to One course. This course has been specifically designed for teachers who are about to implement teaching and learning in a one to one eLearning classroom. This training has been developed as four interconnected modules. Modules one to three were facilitated in a three day workshop at Rondebosch Boys Preparatory School. The fourth module was designed to be supported in an online forum. SchoolNet's Ms Fiona Beal created a private blog for the 17 training participants. The intention of the blog was to provide a platform for sharing ideas and quite a few ideas have sprouted from this innovative community of practice.

<http://intelonetoonecourse.blogspot.com/2012/11/a-great-example-of-use-of-glogster-fiona.html>

2. Northlink FET College

Intel sponsored training at the Northlink group FET College. The transforming learning course was well received and the Group is now looking to expand the training of this course to their other colleges. Mr Andre Christian facilitated this training with Ms Fiona Beal given an opportunity to explain how the online support for module 4 would continue.



3.10 Department of Correctional Services (10-13 December 2012)

The Deputy Director, Ms Marion Johnson, requested and accepted a proposal from SchoolNet to conduct Getting Started training for 150 teachers in ten correctional services school facilities. Training was conducted in ten prisons situated around the country These are as follows:

Rustenburg Prison (North West)

St Albans (Eastern Cape)

Ekuseni (Newcastle, Kwa Zulu Natal)
 Qalakabusha (Empangeni, KwaZulu Natal)
 Durban-Westville (KwaZulu Natal)
 Barberton Correctional Services (Mpumalanga)
 New kimberley Prison (Northern Cape)
 Brandvlei Youth Centre (Western Cape)
 Boksburg (Johanneburg)
 Baviaanspoort (Pretoria)



There were three prisons that had been equipped with Intel Classmate computers:

1. Rustenberg Prison

This facility had 20 Intel classmate computers for inmates. Due to regulations there is no Internet connectivity and hence Classmates are not optimally used. The training however was well received and teachers found the Getting Started training very informative.

2. Qalakabusha Prison

There were 20 classmates with no internet connectivity. There were 13 trainees. Seven officials and six inmates attended the training. Some of the inmates are used as tutors to help teachers in their teaching and learning activities.

3. Boksburg Prison

There were 19 trainees in attendance. The classmates were not used from the time of delivery and hence needed a long time to charge. The trainer was able to hotspot the venue in order to ensure teachers could practice the various internet modules.



3.11 University of KwaZulu-Natal PGCE

Sixty eight students at the University of KwaZulu-Natal completed the Intel Essentials course as part of their school experience module. These students worked hard at this famously rigorous course for the majority of their second semester. Their projects were assessed and certificates were issued upon completion; the standard of their work was very high. Fourteen students obtained Gold certificates, 39 received silver and 14 received bronze with only one student unable to complete.

4. Advocacy

During 2012 there were many opportunities for SchoolNet to promote Intel Teach courses and events and to announce the introduction of the newly localised Elements courses.

4.1 South African Extraordinary Schools Coalition

On August 7th Janet Thomson presented to the conference for SAESC at COSAT in Cape Town and outlined a number of Intel courses during the presentation. There was instant interest from schools that form part of this coalition but most of these schools will only be able to be included as from 2013 as they required funded training.



4.2 AdvTech Group Conference for High Schools

A group of independent schools held their annual curriculum conference in the Drakensberg and SchoolNet's Janet Thomson was requested to make a presentation on the more pedagogically advanced professional development courses on offer. Crawford schools are now owned by AdvTech and therefore a wider range of schools were present at this conference in addition to the Crawford group and schools were drawn from all provinces. There was a great deal of interest in the Intel Teach courses and SchoolNet was asked to present at their next conference.

4.3 The KZN Department of Basic Education and Coega Development

The **KZN Department of Education** sent a delegation which included the Coega Development Corporation (Pty) Ltd to Gauteng to investigate how teachers integrate ICT into their teaching. They requested a presentation of all SchoolNet ICT professional development programmes and specifically focused on what the best models for computer room design are. This gave Megan Rademeyer the opportunity to outline a range of our courses including Intel Teach and to explain how they impact on student learning.

4.4 University of the Witwatersrand Advanced Certificate in Education

Ms Megan Rademeyer presented an overview on project based learning to WITS ACE education students. This included an overview of the Intel Teach professional development programme and all courses that were currently available. Twenty five promising teachers were provided with the Intel Teach Elements DVD.

4.5 edICT (Education ICT Society- for Durban and wider KZN)

Mr Charli Wiggill (Eden College) hosted an ed ICT – for teachers in and around Durban and wider KwaZulu-Natal at the NSA Gallery in Glenwood Durban. Both Deb Avery and Fiona Beal represented SchoolNet and promoted Intel Elements courses.

4.6 SABC Education Expo (Nasrec) – 9-11 October 2012

The SABC together with Transnet funded a careers expo in Gauteng. The focus of the expo was to encourage youth to pursue careers in the ICT sector and to be more entrepreneurial whilst at school. SchoolNet's Ms Mathapelo Sehume presented on the various courses that SchoolNet facilitates on behalf of Intel and Microsoft.



4.7 Vodaworld Expo

SchoolNet SA assisted Intel with the Vodaworld expo and SchoolNet's Ms Omashani Naidoo presented on the various Intel courses that are available and talked about the various models of implementation of these programmes that are proving very successful.

4.8. International Day of the Girl (11 October 2012)

Intel Teach celebrated this International event with St Barnabas High School in Gauteng. The girls were treated to a practical talk on why it is necessary for them to pursue careers in Science, Technology, Engineering and Mathematics. Intel's Ms Linhle Khoza proceeded to host a competition and two lucky ladies won Tablets and Ms Widjian Damiati won a Dell Vostro Laptop.



5. Conclusion

Despite some limitations to the available budget in 2012 a great number of activities were achieved and as can be seen from this report many of them were highly successful. Furthermore the majority of the interventions arose from partnerships with new initiatives that had not existed in previous years. The summary of budgets are attached as spread sheets denoting the activities as separate projects.

6. 2013

The Ministry of Education in Namibia requested a large number of training sessions to be conducted in Getting Started. Training in Namibia will start very early in January 2013 and will require two SchoolNet trainers to be based in two separate districts in Namibia.

Training in all Elements courses is going to be addressed more specifically in 2013 with training focusing on participants who have previously completed the *Getting Started* training where possible. It is envisaged that this strategy will lead to an increase in teacher achievement on their ICT integration journeys.

An added incentive in 2013 is that there are many projects that involve the provision of tablets to learners. We hope to witness a blossoming of project based learning – "Intel style" as from 2013 onwards.