



## LEARNER ENHANCEMENT

### Malmesbury, Atlantis & LitNumHub

Learners from three rural education districts were afforded the opportunity to attend intensive tuition sessions in key subject areas during the last school holiday in the Atlantis and Malmesbury region. The focus was on Mathematics and Physical Sciences in the FET phase. Whilst in the Worcester district, the focus of the LitNum Hub project was on Mathematics and Afrikaans for learners from Gr 5, 6 & 7.

All programmes kicked off at 8 am every day. It was pleasing to see top achieving learners, arrive and participate enthusiastically for each day of the week. The dedicated and experienced group of tutors delivered tuition of a high standard, which contributed to the enthusiasm of the learners.

### Botha's Halte welcomes first GREEN ICT School & Learning Centre

The LitNum Hub project serves a cluster of farm schools and includes the construction of a new school building at Botha's Halte. Once completed this building will be fully equipped with the latest technological resources. This will allow the cluster of farm schools to be linked to the other schools, making up the LitNum Hub. Lessons will be relayed virtually to each of these schools and, from time to time, other schools will be allowed to access its resources. This will make Botha's Halte a technological epicenter of the LitNum Hub allowing for ICT to be integrated into each school, thus addressing the educational needs for the LitNum Hub.

The school has also been designed to take the natural environment and its limitations into consideration and will, for example, include solar panels to generate its own electricity without causing pollution, and water units to assist in meeting the demand for water.



# TEACHER PROFESSIONAL LEARNING

## ICT INTEGRATION: STRATEGIC MANAGEMENT

SUNCEP has once again been tasked with delivering the ICT Strategic Management Course for school leaders at the Cape Teaching and Leadership Institute.

There were 11 schools represented with each school team being made up of the principal and the ICT champions at that school. There were 36 participants in total. The main objective of this course was to guide the principal and their ICT champions on how to develop a Strategic Plan to introduce ICT into their schools.

Previously SUNCEP has successfully delivered this course in 2017, see photo below.



## ADVANCED DIPLOMA IN EDUCATION: IP, SP AND FET MATHEMATICS

With great enthusiasm SUNCEP has launched its Advanced Diploma in Education in Mathematics Teaching for 75 Intermediate Phase, Senior Phase and Further Education and Training Phase Mathematics teachers. These teachers came from various districts across the Western Cape. This group is currently made up of 36 IP teachers, 18 SP teachers and 21 FET teachers.

The Advanced Diploma in Education in Mathematics teaching is a full qualification for currently serving teachers. This programme is delivered part-time over 2 years with the contact sessions held during school holiday periods.

The focus of this programme is to strengthen and enhance the existing specialisation of the Mathematics teacher. This qualification does not solely focus on pedagogy and content but will also focus on ICT strategies to enhance the learning of the content and pedagogy in the classroom.

The first contact session was held from the 3<sup>rd</sup> of April to the 7<sup>th</sup> of April 2018 at the Cape Teaching and Leadership Institute. This programme is currently funded by the ETDP SETA in partnership with the Western Cape Education Department.

The next contact session will take place from the 9<sup>th</sup> to the 14<sup>th</sup> of July 2018 at the CTLI in Kuilsriver.



The ICT Course 2017 Certification Ceremony was held at the Cape Learning & Teaching Institution

## Technical Mathematics and Technical Science

SUNCEP has recently also started training teachers in Technical Mathematics and Technical Science. This training programme was initiated by the WCED and the purpose of this programme is to equip teachers in Technical Schools with the requisite skills to teach Technical Mathematics and Technical Science. We currently have 35 teachers registered for this course and it is funded by the ETDP SETA .

Training sessions are held on weekends at the CTLI.

# UNIVERSITY PREPARATION PROGRAMMES

## SciMathUS



Access to higher education is not an easy transition and process for all students who pass grade 12. Some students pass their grade 12 year with bachelor's degree pass but still do not succeed in accessing higher education. These students then choose to access higher education via a bridging programme SciMathUS, this programme operates from the Education faculty at the Stellenbosch university. For more information on the programme visit [www.suncep.sun.ac.za/upp/scimathus](http://www.suncep.sun.ac.za/upp/scimathus).

Fundeka Ndyoki joined the SciMathUS programme in 2009 to improve her marks in Mathematics and Physical Science. She later joined the Stellenbosch University to study B Sc (Food Science). She met with enormous challenges but graduated at the end of 2015. She was determined to get a job and be able to have an income but that did not materialize and she then decided to continue with her studies by completing a Masters in Food Science and graduating in March 2018.

It was a long difficult road but Fundeka persevered and she is now happily employed as the Senior Supervisor at the Kruger National Park's game abattoirs.

## Talent Development Programme (TDP)

The Talent Development programme kicked off the new-year with a bang by hosting our academic staff at the National Academic Indaba which was held in Kempton Park in March. All nine provinces were represented with 36 tutors in attendance at the 2 day event. The aim of this event was to enrich the TDP academic cohort by collaborative engagement, material development and strengthening pedagogical approaches to teaching. Attendees thoroughly enjoyed the Flipped Classroom sessions which was presented by Dr. Sharon Malan from SUNCEP.

The top performing learners from each province attended the prestigious residential and academic enrichment programme's first Holiday School in April which was attended by close to 700 hand-picked learners. Each centre consisted of 40 Grade 11 and 40 Grade 12 learners who are top achievers in their schools. Participants were afforded opportunities to engage in challenging academic work in Mathematics and Physical Science. A strong focus was also placed on psychosocial development which was coordinated by Dr. Sharon Malan and presented through live streaming and telematics broadcasts from the Stellenbosch University Telematics Services' studio. University access and bursary application support is offered during the second school term through social media contact with the learners by SUNCEP.



We look forward to welcoming back all TDP participants to the winter camp, which will take place from 24 – 29 June 2018.