Sakha Ikamva - a Zenex Foundation sponsored project

The Zenes Foundation Board approved a grant of R25, 6 miltion at the Seignmany of 2016 to implement a five year programme (2016 to 2020) of support to 10 selected high schools or the helson Mandela Bay metropole (Port Etzabeth and Ulterhaige).

The project was formally isonothed on 18 October 2016 at the Beauth Posts. Surreversional, and Port Excellent, where the project name 'Satha Barrery' was investigated.

The primary goal of the project is to increase the number of softwice in the Eastern Cape that offer quality Mathematics. Physical Sciences and English leading to previously disadvantaged Grade 10 to 12 learners. The secondary goal is to recrease the pool of learners in the Eastern Cape that obtain quality pleases and order tertary studies in the fields of Mathematics and the Sciences.

The propert objectives are to improve the performance in Maduematics. Physical Scorose and English of the selected advants through providing support through the provision of

- Targetest teacher training focusing on pedagogical classmore practice and theories of learning.
- Support for grade 10 to 12 learners focusing on: extra academic fulfion, camps, marketing, blanded learning support through irrepositive models, of intervention highlighting the importance of lecthology in preparing learners. for the 21th century and tentury access support for learners.
- School Leadership support for controller management through leading and coaching.
- Teaching resources (Laptige, Tablets, Data projectors, Calsulators, Diseas quelles) to the actroid.
- Establishing and developing Communities of Practice among leachers and school leaders.

The GAMACU is one of the pertners of the project specifically providing Mathematics and Physical Sciences suggest to selected learning and teachers from the 10 project schools.

The instilled bounds of the project trust place on 20 April 2016 and was attended by all principals and subject coordinates of the 10 present schools. A total of 100 Grade 11 and 12 learners seems initially estimated, but eventually SA grade 11 and 74 Grade 12 terminal professional in the project distinct \$15. A. Winter School Programme each held from 27 June to 01 July 2016 at the AbdAV Missouries categors to propose terminal for the second seminary by the example seminary by the example seminary participated in the Professional Learning Continuesty (PLC) termina seminary seminary, while the Mathematics teaming Continuesty (PLC) terminal seminary of the Mathematics seminary participated in store the Mathematics seaming teaminary participated in effectively. Source teaminary participated in seminary of Source 1 AVIS seminary participated by teachers their the schools. In 2017 the programme will be entended to mutuale Grade 10 teaminary and all alter provide suggest for Physical Sciences seamners in the form of 6 thur-boar Setundary teachers during the tird. Even school terms and one 6 thurs school published during the tird. Even school teams and one 6 thurs school published seasons during October.



testial introduction of project attended by Principals and Project co-ordinators from the 10 project actions.



Learners attending the Winter School Programme at Manienvole campus

GeoGebra project leads to international collaboration to boost links between Arts and Mathematics

An Essemus Mundus PE roopety grant was assisted to the GARACTU in July 2016 in order to establish a partnership with marridans of the International Georgebra Institute which is based in Hungary. This grant was based on the fact that the CAMEU has across links with the said institute and the unit allow Private this obligat and most active GeoGetira virtual institute in S.A. Shorebers of the International Georgebra Institute. Navebeen pertnering with the Arts Faculty of the University of Sudapest in Hungary to promote Science, Technologic Engineering , Arts and Mathematics (STEAM) education stotactly and the Erasmus collaboration with the GMMDU at Nafety will see sepects of this project being extended, to South African secsociary achiosis. STEAM education represents a modern expartition of the global STEM Education increment with the for cus on introvative use of technology to promote the asserances. of the important role methernatics place in providing the skills. basis for problem solving and design in many profesoranal enwimmwests including the Arts (see

As Report For House as Report of the Article persons from the Article

This TUBORUP Evaluation community in SA via sessing Decidebra.

development projects which force part of the Mathematics development programme of the GMMOU in schools and TVET colleges. The particular focus with the to develop digital Device-bre T&L materials and occompanying ICT training that could assess with the imagination of ethno-mathematical aspects as apert of the T&L of experiences in SA schools and colleges.

The first phases of the Enservus project correspend of a post 5day STEAM planning and sharing semiciar that was housed by the Faculty of Arts at the University of Budgasst in Hungary during December 2016. Post III Olliver and Dr P Golfest represented the GAMADU, and delivered an outnition talk about the use of an office technic-blanded model and Geodebra to deseting mathematics skills of admissions and learning in softeday and colleges in South Africa. Various applications of the own of GeoGetra to represent and promote applications of methanisms in art series also preterned to participate the during a series of excitations. Various follow-up seminars, including a Geodebra ETEAM combined of the Ensertus propert over the eighteen implementation of the Ensertus propert over the eighteen

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