

## NMMU FACULTIES, SPORT BUREAU AND STUDENT COUNSELLING, CAREER & DEVELOPMENT SERVICES

### SCHOOL ENGAGEMENT PROJECTS / PROGRAMMES

FACULTY OF ARTS		
Project	Brief Description of project	Coordinator
1. <b>Masinyusane Non-Profit Organisation</b>	<p>Contribute towards the Masinyusani NPO run by the Pastoral Development Office of the regional Catholic Diocese.</p> <p>Coordinate and facilitate the teaching of English enrichment classes for Grades Eight and Nine at Lwandlekazi High in New Brighton.</p> <p>Ben Sinuka Primary School and do general enrichment for Grades 4 and 5 and there are 15 volunteers from English Literature. The programme will continue in 2015.</p> <p>Five English Majors at NMMU contributed to the programme in 2011 and this year the Study Abroad group from the College of St Benedict/ St John's University, Minnesota, USA, will also be involved.</p>	Prof Mary West Department Language and Literature (English)
2. <b>The South African Council for English Education (SACEE) – English Olympiad</b>	Head of National English Olympiad: Dr Diana Ayliff	Dr Diana Ayliff Department of Applied Language Studies
3. <b>Department of Music</b>	Annual departmental Open Day targeting high schools in the Eastern Cape (held in May). High schools are invited to performance classes, concerts, workshops and master classes. Music classes to individual learners.	Ms Nicky Bosman
4. <b>Annual 2<sup>nd</sup> year Interior design community project</b>	<p><b>Department of Architectural Technology and Interior design</b></p> <ul style="list-style-type: none"> <li>• Design and renovation of a selected interior space of a chosen community project.</li> <li>• Every year, the 2<sup>nd</sup> year Interior design students are divided into groups. Each group needs to do a design presentation to the main members of the chosen community project.</li> <li>• The members approve the design and then the students are using their April break to implement the design proposal to the interior space.</li> <li>• The design time for the project is 2 weeks.</li> <li>• The implementation time is usually 1 week.</li> <li>• The students have to find sponsors themselves for materials needed to do the implementation. A letter is given out early in the year to the students to help them in this regard.</li> <li>• About 16 students are involved</li> <li>• School learners and teachers are involved during the design process.</li> </ul>	School of Architecture

	<ul style="list-style-type: none"> <li>Challenges are to find enough sponsorship for materials and to get help from skilled people with the implementation of the project</li> <li>Some community projects done in past are:</li> <li>Renovation of 3 new classrooms at K Ncwana Primary school - 2011</li> <li>Design of new Home Economics' classroom and restaurant at Bethelsdorp Comprehensive School – 2011</li> <li>Renovation of stage of Walmer High school hall – 2010</li> <li>Renovation of SOS Children's village homes – 2010</li> <li>Community projects have been done by the department each year since 2006</li> </ul>	
5. 3 <sup>rd</sup> year Architecture and Interior Design community project (2009-2010)	Senior BAS and Interior Design students undertook a construction and design improvement project to upgrade school of Walmer High School.	Prof Gavin McLachlan School of Architecture
6. ArtEC Young Artists Development Project	<p>The YADP was started in December 2010 to address the need for sustained and focussed art tuition in economically disadvantaged areas.</p> <p>It consists of a primary and a high school teaching programme, which were implemented at Zama Community Centre in New Brighton and St. Thomas High School in Gelvandale.</p> <p>Weekly classes of three hours each were held in 2011. There were two groups, one with 16 regulars and the other with 12. Modules, including printmaking, ceramics, drawing, painting, collage, performance and public art, were taught by Fine art Graduates such as Mkhonto Gwazela and Rene Pretorius, and local artists such as Ayanda Mji and Nicholas Hauser.</p> <p>Third year fine art students volunteered as assistants on the programme and towards the end of the year took a more active role in planning and teaching classes. Mkhonto has been appointed as the programme coordinator for 2012, and we have secured funding for a weekly class at Zama and a gr.10 and 11 class at St. Thomas for 2012. An estimated total number of between 50 and 60 learners will be taking part. We have also linked up with Theresa Hardman, who is teaching classes at Kama primary school in New Brighton, and will be assisting with curriculum development.</p> <p>The aim of the programme is to introduce primary school learners to a variety of media and techniques and encourage exploration, and to prepare high school learners for further study by developing creative problem solving and technical skill, increasing knowledge of art history, and building up a portfolio.</p> <p>Challenges include securing funding and long term planning where future funding is not yet certain, increasing the number of really committed learners, improving the learning environment at the schools, and developing a curriculum suited to local contexts and the skills of the teachers.</p> <p>A documentary on the programme can be seen at <a href="http://www.artecpe.co.za">www.artecpe.co.za</a>.</p>	<p>Ms Rachel Collet (programme manager)</p> <p>Mr Mkhonto Gwazela (programme coordinator)</p> <p>Department of Fine Arts</p> <p>(Still to be confirmed)</p>
7. Ceramic art workshops	Ceramic art workshops at Ebongweni Primary School (Kwazakhele) and Nkuthalo Primary School (Zwide). Victoria Park High School learners attended on-campus workshop.	Department of Ceramic Design (Still to be confirmed)

<b>(2010)</b>	Student assistant at Cape Recife High.	
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<b>FACULTY OF BUSINESS &amp; ECONOMIC SCIENCES</b>		
<b>Project</b>	<b>Brief Description of project</b>	<b>Coordinator</b>
<b>1. Accounting Career Evenings</b>	Annual events held in Uitenhage, Port Elizabeth, East London, Graaf Reinet and George for learners, parents and teachers to improve their understanding of career options and study opportunities in the field of accountancy. Presenters include the Director: School of Accounting and representatives from auditing firms. More than 700 learners and parents attended these Career Evening presentations during 2014.	Prof Frans Prinsloo; Mercy Thinyane, Suzanne Vermeulen, Ansulene Prinsloo School of Accounting
<b>2. Accounting winter school</b>	Week-long programme held during the June school holidays to improve the knowledge and skills of learners in NSC Accounting. Four schools were held: Grade 12 AccMaths School (Accounting week followed by a Maths week), NMMU/Investec Grade 12 Accounting School (held in George) and the NMMU PwC Grade 11 Accounting School. The schools aimed to assist local high schools in improving the academic performance of their learners in the field of Accounting. Approximately 1200 students attended the schools in 2014.	Ansulene Prinsloo Beryl Prinsloo (George Winter School) School of Accounting
<b>3. SAICA camp</b>	Staff from the School of Accounting gave presentations about, amongst others, the programmes offered by the School, bursary opportunities, and career options to top learners in the Eastern Cape.	Shareen van der Watt School of Accounting
<b>4. Teacher Appreciation Function</b>	Objective of the function is to strengthen the relationship with Accounting and Mathematics teachers in feeder schools throughout the Nelson Mandela Bay while also equipping teachers with more knowledge regarding the School of Accounting and the programmes on offer.	Ansulene Prinsloo School of Accounting
<b>5. Student for a day</b>	The aim is to create awareness regarding the NMMU School of Accounting and the day to day experience of our students amongst top Grade 11 learners from feeder schools in Nelson Mandela Bay. Learners were presented the opportunity to have the full student experience and were able to connect with likeminded students.	Suzette Snyders School of Accounting
<b>6. SIFE NMMU Destiny for Success project</b>	2011 project: David Livingstone High School 2012 project: EZ Kabane High School  Building skills and morale with the following programmes: <ul style="list-style-type: none"> <li>• A leadership skills programme to instill leadership values in the learners.</li> <li>• A sport programme, assisted by NMMU coaches and teachers at the school for netball and soccer.</li> <li>• An entrepreneurship skills programme to teach learners the principles of entrepreneurship in the first phase and the implementation of the business plans.</li> <li>• A Smart Art programme which encourages creativity, recycling and preservation of the environment by making products from waste to sell.</li> </ul>	Prof Sandra Perks School of Management Sciences

	<ul style="list-style-type: none"> <li>The reinstatement/initiation of a library to encourage reading amongst the learners.</li> </ul> <p>Sponsors: Easigas; Nedbank; Zifundise Training</p>	
<b>7. SIFE African Unity Insurance project with ZamaSA</b>	<p>SIFE members provided mentorship to the learners twice a week, three hours at a time. Together with their NMMU mentors, learners were encouraged to explore their creative side and reflect on what they have learned.</p> <p>The SIFE members are positive role-models and focused on building learners' self-esteem through education.</p> <p>Sponsor: African Unity Insurance</p>	Prof Sandra Perks School of Management Sciences
<b>8. Winter and spring school for grade 11 and 12 learners</b>	Tutoring accounting to grade 11 and 12 learners	Shareen van der Watt

FACULTY OF EDUCATION		
Project	Brief Description of project	Coordinator
<b>1. IT in schools Project (Hermann Ohlthaver Project)</b>	Provision of hardware, software, connectivity and training on the generative use of computers in school contexts. Approximately 10 schools and 20 teachers. Challenges of connectivity and getting teachers to involve their learners. (Run during second semester, two days a week)	Prof Paul Webb Dr André du Plessis Faculty of Education ; CERTI
<b>2. Centre for the Community Schools:</b>  Manyano Network of Community Schools	<p>CCS has established this network as a community of practice that currently involves 14 schools in the Port Elizabeth and Uitenhage areas. CCS facilitates the implementation of the Manyano programme of action – a multi-school, multi-project intervention aimed at school improvement with a focus on numeracy and literacy. This intervention includes the following activities:</p> <ul style="list-style-type: none"> <li>Training on the theoretical model of the community school</li> <li>Curriculum development and training in the areas of numeracy and literacy in schools (foundation, intermediate, and high school phases)</li> <li>Leadership and management training for principals and school management teams</li> <li>Leadership Training for learners</li> <li>Training for School Governing Body members</li> <li>Training for parents and community members in supporting children's learning and development</li> <li>Placing social work students in schools to provide psycho-social support to learners by placing social work student interns in schools</li> <li>Conducting an infrastructure audit at schools to determine the structural needs of schools</li> <li>Implementing a community development project at the school</li> <li>Participation in the Manyano Community Schools conference at NMMU to engage, share, and reflect on</li> </ul>	Dr Allaister Witten

	the programme of action.	
	The Manyano Network of Community Schools is a self-directed group and it envisages expanding into other areas of the province as well as elsewhere in the country.	

MULTI-FACULTY INVOLVEMENT – Faculties of Science, EBEIT and Education		
Project	Brief Description of project	Coordinator
<b>1. Eskom Expo for Young Scientists</b>	<p>This Expo has been running for over 30 years and involves motivating and encouraging our young scientists in the Eastern Cape to discover the inquiry based, innovative thinking in cross-disciplinary scientific research.</p> <p>It involves learners and teachers from Grade 5- 12 to utilise scientific method and literacy in a project which may be presented at the School Expo, then the Regional Expo and then at the National Expo. Learners may also be selected for International Science Fairs.</p> <p>At the Regional Expo we had 271 learners participating and 201 projects. Gold, Silver and Bronze pins are awarded for their projects and we have a wonderful group of experts from academics, industry and schools that assess the projects.</p> <p>In 2011 we had 64 judges and convenors.</p> <p>Many mini expos were held at schools and it is our aim to try and run more workshops and teacher training (possibly SLP) at the schools. We would also like to extend too many more schools that have not previously participated.</p> <p>The PE Region partners with the East London, Grahamstown and Mthatha region when we travel up to Gauteng for the National Expo.</p> <p>Challenges include funding for the learners (especially the transport) , time within our lecturing schedules to run these additional workshops and training, administration and getting the Expo information to all the schools</p> <p>Overall the Expo aims to plant a seed in the minds of our young scientists that will grow and develop a passion for learning and inquiry in a scientific field.</p>	<p>Ms Marilyn Gibbs</p> <ul style="list-style-type: none"> <li>• Faculty of Science</li> <li>• Faculty of Engineering, the Built Environment and Information Technology</li> <li>• Faculty of Education</li> <li>• Eastern Cape Department of Education</li> </ul>

FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY		

Project	Brief Description of project	Coordinator				
1. STEM in Action Program (Missionvale Campus)	<p>The key objective of the STEM in ACTION Program is to stimulate interest in Physical Science as a subject and to empower Grade 10 -12 learners to perform well enough in Physical Science as a subject, to follow careers in Science, Technology, Engineering and Mathematics. The program strives to:</p> <ul style="list-style-type: none"><li>✓ Enhance understanding and comprehension of the theory taught at the school.</li><li>✓ Foster positive attitudes towards Physical Science as a subject and equip learners with skills to improve personal motivation to study.</li><li>✓ Acquire practical skills to perform an experiment.</li><li>✓ Expose learners to ICT's (Information Communication Technologies).</li><li>✓ Clarify possible misconceptions.</li><li>✓ Use an experiment as a tool to teach a concept.</li><li>✓ Prepare learners for individual practical work and experiments when they start tertiary studies.</li></ul> <p>The program is multifaceted, but mainly focusses on selected learners, selected schools and then educators within in the PE and Uitenhage districts.</p>	FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY  Coordinator  Mrs Isabel van Gend Mrs Tarin Roberts Advanced Mechatronics Technology Centre (AMTC)				
	<table><tr><th>Selected Schools – Afternoon lab sessions</th><th>Selected Learners- Morning lab sessions</th></tr><tr><td>Alexander Road High School Brandwag High School Collegiate Girls' High School Daniel Pienaar Technical High School Despatch High School DF Malherbe High School Ethembeni Enrichment Centre Framesby High School Pearson High School Victoria Park High School Westering High School St Dominic's Priory</td><td>Andrew Rabie High School Bertram Senior Secondary School Gelvandale High School Khwezi Lomso Comprehensive School Khumbulani Senior Secondary School Lawson Brown High School Masiphatisane Senior Secondary School MSCD Ncedo Senior Secondary School Newell Senior Secondary School Nasruddin Isalamic School St James Senior Secondary School Strelizia High School Tamsanqa Senior Secondary School Urban Academy</td></tr></table>		Selected Schools – Afternoon lab sessions	Selected Learners- Morning lab sessions	Alexander Road High School Brandwag High School Collegiate Girls' High School Daniel Pienaar Technical High School Despatch High School DF Malherbe High School Ethembeni Enrichment Centre Framesby High School Pearson High School Victoria Park High School Westering High School St Dominic's Priory	Andrew Rabie High School Bertram Senior Secondary School Gelvandale High School Khwezi Lomso Comprehensive School Khumbulani Senior Secondary School Lawson Brown High School Masiphatisane Senior Secondary School MSCD Ncedo Senior Secondary School Newell Senior Secondary School Nasruddin Isalamic School St James Senior Secondary School Strelizia High School Tamsanqa Senior Secondary School Urban Academy
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Learners are exposed to CAPS-aligned Physical Science experiments in laboratories equipped with data-logging software and equipment as well as various other ICT's to promote sensory integration within the teaching and learning of Physical Science.						
2. Junior Cyber Junkyard Competition	<p>A competition sponsored by Siemens SA that involves 10 high schools in the Eastern Cape. Four learners from each school have to design commission and present their automation project in from of a panel. Winning teams receive bursaries and prizes. Fourty learners are involved and 10 educators.</p>	Mr Karl du Preez AMTC Run every second year				
3. MerSETA schools project	<p>This programme aiming at Engineering Development in a number of categories in the Eastern Cape Province. Furthermore, to strengthen the collaboration between the SETA and education and training institutions, particularly</p>	Ms Meera Naidoo AMTC				

	<p>FET Colleges and the NMMU.</p> <p>These programmes aim at the upliftment of educators at selected technical high schools through technical skills training. The programme also aims at the development or upgrade of laboratories at these high schools.</p> <p>The range of programmes within the project includes:</p> <ul style="list-style-type: none"> <li>• Collaboration with Govan Mbeki Maths Development Unit (Science and Maths development programmes for both learners and teachers in the rural and surrounding areas of Somerset-East;</li> <li>• Annual MerSETA Chair Engineering Winter School (held at Gill College in Somerset-East during the first week of the June holidays);</li> <li>• Visits to technical high schools throughout the year;</li> <li>• Rural school visits throughout the year;</li> <li>• Siemens Junior Cyber JunkYard Competition – done in collaboration with the merSETA Chair at anytime as agreed by the sponsors.</li> </ul>	Once a year
<b>4. AECDP Winter School</b>	<p>The Automotive Career Development Programme (AECDP) is an Engineering winter school offered to 30 top performing learners selected from the Govan Mbeki Math Development Unit.</p> <p>The programme is effective in preparing learners whilst still at school for careers that are dependent on good Mathematics and Science results. This winter school also exposes learners to various engineering disciplines with a specific focus on the Automotive Industry. A long term vision of the AECDP is to enhance education of learners and hence provide opportunity of employment, which will in turn give sustainability to the programme.</p> <p>The learners attend a two week on campus winter school where they are exposed various activities in engineering.</p>	<p>AMTC</p> <p>Ms Eunice Marx</p> <p>June/July School holidays</p> <p>(Still to be confirmed)</p>
<b>5. Saturday Schools programme</b>	<p>Each year a group of 50 top learners in mathematics and physical science from grade 10, 11 and 12 (hence, 150 learners in total) are selected from schools in the Nelson Mandela Metropole and Uitenhage District.</p> <p>The Saturday School, sponsored by NMMU, DOT and ENGEN enhances the learning experiences by providing lessons in core national curriculum subjects like English, Mathematics and Science.</p> <p>The mission of the programme is to build the necessary knowledge, understanding, abilities and skills required for further studies.</p>	<p>Ms Hannalie Lombard</p> <p>Mechanical Engineering</p>
<b>6. TRAC SA</b>	<p>TRAC SA is a national, non-profit programme. The objective is to support science and technology education in South Africa secondary schools. The TRAC programme was first introduced into South Africa from USA in 1994.</p> <p>The TRAC Programme seeks to enable and encourage learners to enter into careers in Science, Engineering and Technology. In particular, the programme focuses on providing equipment, syllabus content vocational guidance information and variety of other material to developing communities where resources are limited.</p> <p><b>Schools involved:</b></p> <ul style="list-style-type: none"> <li>• Cingani</li> <li>• Coselelani</li> <li>• Khwezi</li> <li>• Lomso</li> <li>• Motherwell</li> </ul>	<p>Mr Andre Nagel</p> <p>Civil Engineering</p>

	<ul style="list-style-type: none"> <li>• Ndyebo</li> <li>• Newell</li> <li>• Sisonke</li> <li>• SEK Mqhayi</li> <li>• Soqhayisa</li> <li>• Thubelihle</li> <li>• Vulumzi</li> <li>• Woolhope,</li> <li>• And any other schools that calls and books to use the lab for experimental purposes, depending on lab availability.</li> </ul> <p>Provide grade 11 and 12 learners in the Eastern Cape with hands on practical lab work, to support and aid their understanding in Maths and Science based on the school syllabi.</p>	
<b>7. Maths, Science and Engineering Development Programme (MSEDP)</b>  <b>Engineering Winter School</b>  <b>(merSETA school project)</b>	<p>The aim of the programme is to stimulate interest in technology, mathematics and engineering through a Mathematic and Science development programme for both teachers and learners.</p> <p>This programme is followed by an annual engineering winter school during the first week of the June holidays. in Somerset East. There are 50 teachers and 100 learners involved in the project.</p>	<p>Mr Karl du Preez AMTC Running in 2015</p>
<b>8. Department of Roads and Transport Saturday Training School for Engineering</b>	<p>The Saturday school initiative provides supplementary education in Physical Science, Mathematics and English for grades 10, 11 and 12.</p> <p>The main focus is to identify and train potential Engineering students from all participating regional schools. It is hoped to attract students to further their studies in the field of roads and transport engineering since a large need exists in South Africa in this area.</p> <p>A holistic approach is adopted in the programme to motivate learners to be successful. The TRAC laboratory forms an integral part of this project. Learners are evaluated on a regular basis and must meet certain standards to allow them to continue on the programme for the following year.</p> <p>PE and Uitenhage schools involved:</p> <ul style="list-style-type: none"> <li>• Molly Blackburn</li> <li>• Solomon Mahlangu</li> <li>• Phaphani</li> <li>• Marymount</li> </ul>	<p>(Still to be confirmed)</p>



	<ul style="list-style-type: none"> <li>• Uitenhage Bertram</li> <li>• Kwezi Lomso</li> <li>• Masiphathisane</li> <li>• Mzontsundu Ndyebo</li> <li>• Ndzonelelo</li> <li>• St Thomas</li> <li>• Alexandra Road</li> </ul>	
<b>9. FAMHEALTH</b>	The first successful participants of the Youth Leadership Academy celebrated their completion of the 10 week course at a formal awards ceremony at FamHealth MediPark in Gelvandale on 8 November 2012. Grade 11s with leadership potential in the Northern Areas	Prof Darelle van Greunen
<b>10. Emmanuel Haven 2013</b>	First e-Skills for Community Healthcare Workers short courses at the NMMU-Emmanuel Haven Living Lab in Motherwell. The Living Lab focuses on health and wellbeing and then the transfer of skills and education	Prof Darelle van Greunen
<b>11. Dr Math</b>	Dr Math an ongoing programme, learners have access to a group of registered tutors who are online on computers to receive their requests for help via MXit, a popular chat service. School learners	Dr Laurie Butgereit
<b>12. CISCO academy 2013</b>	The Southern Africa Cisco Academy Support Centre, an entity in the School of ICT recently completed training 18 18 trainers sponsored by the Vodacom Foundation. Cisco Systems, Vodacom and the Nelson Mandela Metropolitan University. The overall aim of the partnership is to train unemployed youth in ICT skills and to further develop them into entrepreneurs. Two trainees from each of the nine Vodacom ICT resource centres were trained and these will in turn train 15 other trainees	Mr Gratitude Kudyachete
<b>Centre for Community Technologies</b>		
<b>13. School Health Screening App</b>	<ul style="list-style-type: none"> <li>• School nurses in Cofimvaba</li> <li>• Tablet PC's</li> <li>• Electronic Learner Health Profile</li> <li>• Access via mobile service providers</li> <li>• Store and forward technology</li> <li>• Central data repository</li> </ul>	
<b>14. Mobile Screening App</b>	<ul style="list-style-type: none"> <li>• App stored on feature phone</li> <li>• Hearing screening for adults and children</li> <li>• Stores and forwards technology via mobile service providers</li> <li>• Central database for patient records</li> </ul>	
<b>15. Mobile registration Device</b>	<ul style="list-style-type: none"> <li>• Mobile App to support Maths</li> </ul> <p>E-Agriculture: Mobile monitoring of Hydroponic Farms in collaboration with Fraunhofer Research Institute in Portugal</p>	

	Digital Library in Gelvandale Library, Nelson Mandela Bay Metro	
16. Youth Leadership Academy in collaboration with FamHealth, Medicross, SPAR Eastern Cape and The Hope Foundation	<p>Rural Development</p> <ul style="list-style-type: none"> <li>• Providing Computer facilities with access to internet</li> <li>• Used for Computer Literacy training, learners doing research for school projects</li> <li>• Managed by members of the community</li> <li>• Internet access via Vodacom mobile service provider</li> <li>• Solar charging facilities for all devices</li> </ul> <p>Inclusive learning and assistive technologies</p> <ul style="list-style-type: none"> <li>• Disability associations</li> <li>• Rehabilitations Centre- Natural user interfaces using gestures</li> <li>• Rehabilitation of persons with disabilities using technology</li> <li>• E-Skills training in collaboration with NGO's in Motherwell. NMMU's e-skills Short Learning Programme offered in the community by champions from the community to different groups of persons from the Motherwell Community.</li> </ul> <p>Primary Healthcare: Services for the Aged population:</p> <ul style="list-style-type: none"> <li>• This application serves capture patient/resident information</li> <li>• A care program that shares images with specialist advisors and communicates with care group.</li> </ul>	

FACULTY OF SCIENCE		
Project	Brief Description of project	Coordinator
1. Direct Marketing of Science Programmes at selected high schools	Regular school visits and career information sessions undertaken by the faculty as well as individual academic departments at schools in Port Elizabeth.	Faculty of Science Ms Annemie Jacobs & Ms Meghan Sheehan

<b>2. Direct Marketing of Science Programmes at selected high schools</b>	Regular school visits and career information sessions undertaken by the faculty as well as individual academic departments at schools in Port Elizabeth.	<b>Faculty of Science Ms Annemie Jacobs &amp; Ms Meghan Sheehan</b>
<b>3. Science Career Evenings and Information Sessions for learners, teachers and parents</b>	<p>These sessions/evenings are annual events in and around Port Elizabeth for learners, parents and teachers to improve their understanding of our Science programmes, career options and study opportunities in the field.</p> <p><u>Career information sessions in 2014:</u></p> <ul style="list-style-type: none"> <li>• Queenstown careers session for Gr 9, Gr 11 and Gr 12 learners (300 learners attended)</li> <li>• East London careers evening for Grade 11 and 12 learners (150 learners attended)</li> </ul> <p><u>Career information sessions not held in 2014 but in previous years:</u></p> <ul style="list-style-type: none"> <li>• Uitenhage Career Evening</li> <li>• George Career Evening</li> </ul>	<b>Faculty of Science Ms Annemie Jacobs &amp; Ms Meghan Sheehan</b>
<b>4. Computer Science Expo</b>	10 -12 IT learners enter and present their school projects.	<b>Prof Jean Greyling Department of Computing Science</b>
<b>5. Glenwood ScieX</b>	The ScieX took place on Thursday, 31 July to Friday, 1 August 2014 at the Glenwood House in George. Werner Baehnisch, Alet van Tonder and other staff members from George Campus organised the expo in collaboration with the Faculty of Science. The theme for the expo this year was "Food for All Forever". It focussed on things such as food security, water security, etc.	<b>Mrs Alet van Tonder  Faculty of Science Ms Annemie Jacobs &amp; Ms Meghan Sheehan</b>
<b>6. Meet and greet sessions for learners and parents</b>	<p>Around 300 learners and parents were addressed during four sessions:</p> <ul style="list-style-type: none"> <li>• Two events on-campus</li> <li>• One event in George</li> <li>• One event in East-London</li> </ul>	<b>Prof Jean Greyling Department of Computing Science</b>
<b>7. Department of Computer Science: School visit programme</b>	Learners groups from the following schools were addressed: Grey, Alexander Road, Hudson Park, Stirling, Victoria Park, Nico Malan, Cradock, Gill College. Approximately 300 learners were addressed on Computer Science programmes	<b>Prof Jean Greyling Department of Computing Science</b>
<b>8. Experience your future lectures</b>	Learners attend selected first year lectures in Computer Science to introduce them to university life.	<b>Prof Jean Greyling Department of Computing Science</b>

<b>9. MinQuiz (Mini Science Quiz)</b>	<p>Eastern Cape schools enter teams consisting of 5 learners to compete in Science-related questions against other schools. 40 teams in Regional Competition, hosted by Dept of Computing Sciences.</p>	<p><b>Prof Jean Greyling</b> <b>Department of Computing Science</b></p>
<b>10. Maths and Science Incubator School for Grade 11&amp;12 learners</b>	<p>Learners from 35 previously disadvantaged secondary schools in the NMM and Uitenhage regions are invited on an annual basis to apply to be part of this structured programme that covers the complete NCS Mathematics and Physical Science syllabi over 14 Saturdays in the 1<sup>st</sup> Semester of each year.</p> <ul style="list-style-type: none"> <li>• Maths and Science Incubator School for Grade 11&amp;12 learners on Missionvale Campus (200 learners attended classes – run over 14 Saturdays)</li> <li>• Maths and Science Incubator School for Grade 11 &amp; 12 learners in Uitenhage (80 learners)</li> <li>• Maths and Science Incubator School for Grade 10,11&amp;12 learners in Somerset-East (60 learners attended classes – run over 14 Fridays) – hosted by Gill College</li> <li>• Maths and Science Incubator School for Grade 11&amp;12 learners in Cradock (60 learners attended classes – run over 14 Saturdays) – hosted by Cradock High School</li> <li>• Maths and Science Incubator School for Grade 11&amp;12 learners in Graaff-Reinet (60 learners attended classes – run over 14 Saturdays) – hosted by Spandau High School</li> <li>• Maths and Science Incubator School for Grade 10 &amp; 11 learners in Queenstown (65 learners)</li> <li>• Maths and Science Incubator School for Grade 12 learners in Humansdorp (30 learners)</li> <li>• Incubator School exam prep (part of Science Incubator School initiative) – run over 2 Saturdays for all ISP learners:</li> <li>• 2015 sees the likely establishment of an ISP node in East London</li> </ul>	<p><b>Prof Werner Olivier</b> <b>Govan Mbeki Mathematics Development Unit</b></p>
<b>11. MathsUp (Mathematics Content Skills Upgrade for FET educators)</b>	<p>Mathematical content skills development for in-service FET educators and FET College lecturers from the following districts:</p> <p><i>Teachers from the following districts in the ECP: Total x194</i></p> <p>East London Dutywa Cofimvaba Grahamstown Lady Frere Mthatha Port Elizabeth Uitenhage Ngcobo</p> <p><i>FET lecturers from the following Colleges in the ECP Total x 52</i></p> <p>Ikhala Port Elizabeth Buffalo City Lovedale East Cape Midlands</p>	<p><b>Prof Werner Olivier</b> <b>Govan Mbeki Mathematics Development Unit</b></p>

	<p>The teachers and lecturers completed two accredited short learning programmes (SLPs) which involves 5 day contact sessions, test and technology workshop, calculator workshop, exam preparation and a final exam for each SLP.</p> <p>In 2015, 240 teachers from 10 districts in the Eastern Cape Province, and 40 College lecturers in George and 50 College lecturers in Bloemfontein will go through the Mathsup Programme.</p> <p>The Mathsup programme is supported by the Department of Basic Education and the ETDP Seta.</p>	
<p><b>12. SSUP</b></p> <p><b>Science skills upgrade programme for FET educators</b></p>	<p>Science skills upgrade programme for practising Grade 10-12 teachers.</p> <p>Physical Science content and practical (experiment) skills development for 50 in-service FET educators from Kingwilliamstown and Dutywa following districts in the ECP.</p> <p><i>Structure for both SLP 1 and 2</i>  Five day content contact period  Self-study period during month 2 and 3  Four day contact session for Physical Sciences demonstrations  SLP test  Exam revision  Final exam</p> <p>In 2015, 150 Physical Science teachers will go through the SSUP programme, which is currently being accredited through the Faculty of Education</p>	<p><b>Prof Werner Olivier</b>  <b>Govan Mbeki Mathematics Development Unit</b></p>
<p><b>13. Integrated Maths and Science Development Programme in 18 schools in Kingwilliamstown District</b></p>	<p>2105 – 2016: The Maths and Science development project for 18 schools in the Kingwilliamstown district of the ECP, sponsored by Old Mutual, will see the first integrated school-based implementation in rural schools of a comprehensive modern off-line Techno-blended T&amp;L model for Maths and Science.</p> <p>The programme will be implemented over 2-years and include the distribution of Laptops, Tablets and Desktop PC's in these project schools. A structured training programme for teachers to facilitate the integrated use of the TouchTutor™ resource materials by learners will also be part of the programme.</p>	<p><b>Prof Werner Olivier</b>  <b>Govan Mbeki Mathematics Development Unit</b></p>
<p><b>14. TouchTutor MathSci competition and support project</b></p>	<p>The GMMDU and FirstRand Mathematics Education Chair team developed an m-application with innovative features to support the T&amp;L of FET Mathematics and Physical Sciences. This m-system runs as an application on the Mxit platform and allows learners (individually or in groups) to do curriculum aligned multiple choice Maths or Science self-tests that are linked to content topics for Grades 10-12 or otherwise.</p> <p>The main implementation goals of this m-application are:</p> <ul style="list-style-type: none"> <li>○ To popularize problem solving and the study of Maths and Science (through curriculum focused Mxit school competitions, Olympiads etc.);</li> <li>○ To use Mxit as a tool to assess Maths curriculum implementation outcomes in schools (e.g. through end of term multiple choice tests for learners to see if the curriculum goals were achieved – this will be done as a trial in some the FirstRand schools in PE next year)</li> <li>○ To provide free access to an m-platform for all Maths and Science learners in SA to test their</li> </ul>	<p><b>Prof Werner Olivier</b>  <b>Govan Mbeki Mathematics Development Unit</b></p>

	skills and knowledge of any section of the syllabus - anytime, anywhere. Support received from Capitec Bank	
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FACULTY OF LAW		
Project	Brief Description of project	Coordinator
1. <b>Street Law Programme</b>	The programme aims to provide a practical understanding of the law, human rights and aims to inform people about the laws that affect them in their everyday life. The programme is presented to school learners, teachers, community and youth organisations, church groups, children in places of safety and to prisoners.	Ms Lindi Coetzee
2. <b>Debating competition for schools in Nelson Mandela Bay</b>	The Faculty launched a debating competition for schools in March 2011. The primary objective of the competition is to introduce Grade 11 learners at an early stage to the art, skills and competencies required for debating, but more so, to expose learners to international law and human rights law.	Executive Dean, Prof Vivienne Lawack-Davids (Still to be confirmed)

FACULTY OF HEALTH SCIENCES		
Project	Brief Description of project	Coordinator
1. <b>Department of Pharmacy Open Day</b>	Pharmacy Open Day: Annual on-campus marketing initiative in August. Marketing material: Promotional DVD, brochures Health care talks at schools (2011): <ul style="list-style-type: none"> <li>• Westview High</li> <li>• Theodore Herzl</li> <li>• Khwezi Lomso SSS</li> </ul>	Ms Sue Burton
2. <b>Department of Human Movement Science - coaching</b>	Coaching at the following schools: Protea Primary School (soccer and netball) <ul style="list-style-type: none"> <li>• Khumbulani High School (soccer)</li> <li>• Grey High School (rugby, cricket, hockey, and work shadow)</li> <li>• Framesby Hoërskool (rugby)</li> <li>• Cilliers Hoërskool (rugby)</li> <li>• Victoria Park High (rugby and soccer)</li> <li>• Collegiate High School for Girls (hockey)</li> <li>• Harvest Christian School (hockey)</li> <li>• Pearson High (hockey, work shadow)</li> <li>• Linkside High (cricket, work shadow)</li> </ul>	Human Movement Sciences

	<ul style="list-style-type: none"> <li>• St James High School (cricket, netball, soccer)</li> <li>• Nkululeko Secondary School, Despatch (cricket, netball, soccer)</li> <li>• Woolhope High (cricket, netball, soccer, athletics)</li> <li>• Chapman Secondary (athletics)</li> <li>• St Thomas High (athletics)</li> <li>• Livingstone High (athletics)</li> <li>• Mfesane Secondary School (athletics)</li> <li>• Douglas Mbopa Secondary (athletics)</li> <li>• Velumzi Primary School (Addo) (athletics)</li> </ul> <p>Third year student is running a Soccer Charity Cup schools tournament.</p>	
<b>3. University Psychology Clinic (UCLIN) services</b>	<ul style="list-style-type: none"> <li>• Scholastic screening and assessments done every second Thursday - schools in Port Elizabeth.</li> <li>• Career assessments.</li> <li>• School readiness assessments done with pre-primary schools.</li> <li>• Intern sent to Quest School for Autism once a week to assist with assessment.</li> <li>• Master's students community projects at schools.</li> <li>• Work shadowing opportunities for high school learners.</li> </ul>	Prof Louise Stroud Ms Alida Sandison Department of Psychology
<b>4. Volunteering on Phelophepa Health Care train (UCLIN)</b>	<p>Fourth year students and interns volunteer some of their time on the Phelophepa Health Care train.</p> <p>Between 8 and 16 students go within any given year, and provide psychological services to the community that the train is stationed in, wherever in the country that may be.</p> <p>Part of this service is to conduct psycho-educational workshops to learners and teachers at the local schools.</p>	Prof Louise Stroud Ms Alida Sandison Department of Psychology University Psychology Clinic(UCLIN)
<b>5. Subject choice evening (UCLIN)</b>	<p>Staff members are annually involved in a subject choice evening at both Priory and at Grey High Schools. Here he gives a talk to Grade 9 learners and their parents about subject choice, and its repercussions.</p>	Prof Louise Stroud Ms Alida Sandison Department of Psychology University Psychology Clinic(UCLIN)
<b>6. Academic survival programme at identified schools in Port Elizabeth using the LAIS (Learner Attainment Intervention strategy)</b>	<p>The <u>second year social work students</u> present a 6 week group work programme in identified secondary schools annually.</p> <p>The goal of the programme is to enhance the academic survival skills of learners in grade 8, 9 and 10. Topics covered include assessing of their learning style; developing a vision, mission and goals; motivation; time management and stress management</p> <p>The schools that were involved in 2011:</p> <ul style="list-style-type: none"> <li>• BOOYSENS PARK SECONDARY SCHOOL</li> <li>• KWAMAGXAKI SECONDARY; COWAN HIGH SCHOOL, NEW BRIGHTON</li> <li>• PHAKAMISA HIGH SCHOOL, KATYU STREET, ZWIDE</li> <li>• TAMSANQA; KWAZAKHELE</li> <li>• DAVID LIVINGSTONE HIGH SCHOOL, SCHAUDERVILLE</li> <li>• BETHELSDORP HIGH SCHOOL, SALT LAKE</li> </ul>	<b>Department of Health and Social Development Professions</b>

	<ul style="list-style-type: none"> <li>• LOYISO SEN SEC SCHOOL</li> <li>• SOPHAKAMA SEN SEC SCHOOL</li> </ul> <p>A TOTAL NUMBER OF 650 LEARNERS WERE INVOLVED IN THIS PROGRAMME IN 2011.</p>	
<b>7. Autumn school focusing on academic mentoring and life skills</b>	<p>A selected group of <b>2<sup>nd</sup> yr social work students</b> participated in an Autumn school for a group of grade 8-12 learners from the Chatty area – a total of 95 learners were involved in this project – it was a collaboration initiated by the Uniting reformed Church and coordinated by an academic from the Faculty of Education (Dr Johan McFarlane), supported by the Dept of Social Development and the Faculty of Science.</p> <p>The focus was on facilitating scholastic mentoring, enhanced life skills and study methods.</p>	<b>Department of Health and Social Development Professions</b>
<b>8. 4<sup>th</sup> yr Internship placements for 5 months</b>	<p>Four fourth year students were placed at three schools in PE (i.e, Victoria Park High, St Thomas Secondary School and Westview Special School) where they offered a range of individual and group counselling interventions; as well as community development projects to the learners at the respective schools.</p>	<b>Department of Health and Social Development Professions</b>

<b>STUDENT COUNSELLING, CAREER AND DEVELOPMENT SERVICES</b>		
<b>1. Grade 12 career counselling sessions – Missionvale campus</b>	<p>Career counselling sessions for Grade 12 scholars from previously disadvantaged schools – which mainly include the feeder schools identified by the Marketing and Corporate Relations Department of the NMMU. These scholars spend about 3 hours with us in a career programme which helps them identify their personality, interests and values and guides them towards a career decision, and provides them with career information.</p>	Nomalungelo Ntlokwana
<b>2. Grade 9 career counselling sessions – Missionvale campus</b>	<p>Grade 9 scholars from previously disadvantaged schools, which mainly include the feeder schools, are identified by the Marketing and Corporate Relations Department of the NMMU. These scholars spend about 3 hours with us in a programme which helps them identify their interests, abilities and values, and guides them towards choosing their subjects for Grade 10 and ultimately working towards making a career decision.</p> <p>Subject choice at Khwezi Lomso High school</p>	Nomalungelo Ntlokwana
<b>3. Individual career counselling sessions</b>	<p>Career counselling and assessment for school leavers. Masinyusane High School</p>	NMMU career counsellors PE and George Campuses (Still to be confirmed)
<b>4. Parent Sessions</b>	<p>SC hosts Parent sessions at Morning side High School</p>	



<b>5. Availability of staff to present workshops to principals, teachers and learners</b>	<p>Involvement of professional staff from Student Counselling services in workshops and panel discussions for educators.</p> <ul style="list-style-type: none"> <li>• Participation as panel members and presenters during MCR educator functions (PE and George)</li> <li>• Presenter at principal networking event (George Campus; Topic: The step-up from secondary to tertiary education) – Mr Dave Jenkins</li> <li>• Addressing school groups in Southern Cape (George Campus – Mr Dave Jenkins)</li> <li>• Addressing Life Orientation teachers (PE and George Campus)</li> </ul>	MCR and Student Recruitment PE and George Campuses (Still to be confirmed)
<b>6. Rendering professional services during NMMU Open Days and career expos</b>	Involvement of professional staff during PE and George Campus Open Days, as well as during the Working World Extravaganza career expo in Port Elizabeth.	NMMU career counsellors, students and staff PE and George Campuses (Still to be confirmed)
<b>7. Guidance with study options</b>	This interactive workshop is conducted before and during the registration period to help prospective students who are unsure of their career choice. We guide them through a process of identifying their interests, values and abilities, discuss possible options. Career information is also made available.	NMMU career counsellors PE and George Campuses (Still to be confirmed)

NMMU SPORT BUREAU		
Project	Brief Description of project	Coordinator
<p>The Outreach Programmes which aim to identify, develop, increase and sustain growth in certain sport codes, has again proved to be successful and continues to grow. These programmes involve identified more than 4 200 community members and high and primary schools teams that are assisted in various ways and a summary of some of these programmes include:</p>		
<b>1. Madibaz Football</b>	<ul style="list-style-type: none"> <li>• The <b>Youth Development through Football Coaches Programme with GIZ, Ukuvula Foundation and NMMU Madibaz Football. 32 Coaches educated in a Violence Prevention Programme with football as conduit.</b></li> <li>• Phakamisa High School under 15 and Under 17 teams ADOPTED as NMMU Madibaz Football Junior teams in the PEFA League.</li> <li>• Phakamisa High School Coaching Clinic for 40 Learners</li> </ul>	Mr Mark Tommy Sports Manager

<b>2. The Mecer NMMU Cricket Club</b>	<ul style="list-style-type: none"> <li>• Madibaz Cricket Club has an on-going partnership with the Northville Cricket Club since 2010.</li> <li>• • Eight schools from the Northern areas participate annually in a T20 tournament on campus - the club provides free fields for the event.</li> <li>• • Madibaz Cricket Club participate annually in Nelson Mandela Day activities...this year members of the NMMU Cricket Club supplied paint and painted the jungle gym at Malabar Primary School</li> <li>• • The Club arranges an annual Campus Cricket League during the month of May and an internal 6-a-side tournament for all NMMU students during September.</li> <li>• NMMU Cricket Club hosted a group of 26 kids at Sunny Park in Arcadia. The club approached Cricket South Africa to sponsor/donate mini cricket equipment that was presented to the school at the presentation.</li> <li>• Members of the first team attended a blind cricket workshop in November presented by the NMMU Disability Unit and EP Cricket at the 2<sup>nd</sup> Avenue campus.</li> </ul>	Mr Riaan Osman Sports Manager
<b>3. SPAR NMMU Netball Club</b>	<ul style="list-style-type: none"> <li>• Hosted 7 clinics throughout the Eastern Cape.</li> <li>• Community project in conjunction with SIFE. Coaching of high school netball players.</li> </ul>	Ms Theresa le Roux Sports Manager
<b>4. NMMU Hockey Club</b>	Training and coaching sessions for schools in Zwide and New Brighton.	Mr Cheslyn Gie Sports Manager
<b>5. FNB NMMU Rugby Club</b>	Hosted EP Craven week trials and training sessions during 2011. School coaching workshops. Coaching support to Nzondelele High School and a Junior School Rugby Tournament with Summerwood Primary School.	Mr Kolie Brandt Sports Manager
<b>6. ABSA NMMU Athletics Club</b>	Offers student and community coaching clinics and organises the following events for students and the Eastern Cape community: <ul style="list-style-type: none"> <li>• Road running clinic for peer helpers</li> <li>• Sprinting Talent Identification Clinics</li> <li>• Peer Helpers Run</li> <li>• Athletics workshop with international coaches</li> <li>• Club facilitated the CPA 5km and 3km fun run and wheelchair/walk race at Cape Recife High School.</li> <li>• Christian Academy coaching clinic high school athletes.</li> </ul>	Mr Nellis Bothma Sports Manager
<b>7. NMMU Golf Club</b>	Coaching for beginners.	Mr Kolie Brandt Sports Manager
<b>8. NMMU Tennis</b>	Coaching.	Ms Zanele Mdodana

		Sports Manager
9. NMMU Swimming Club	Presented a Learn-to-Swim programme	Ms Melinda Goosen Sports Manager
10. NMMU Surfing Club	Presented a NMMU Learn-to-Surf programme	Ms Melinda Goosen Sports Manager
11. NMMU Rowing Club	Hosted two Open Days for community members	Ms Melinda Goosen Sports Manager
12. NMMU Chess	Coaching at Ikwezehihle Primary School (Motherwell).	Ms Zanele Mdoana Sports Manager

**Other sport achievements or events** of note include the following:

- The Eastern Province Cricket Academy, in its 16<sup>th</sup> year, was again hosted at the NMMU and proved to be a great success. This programme has produced a number of players who have played for South Africa at the highest level.
- NMMU Cricket Club played host to various EP provincial first class cricket matches and EP school trials
- Netball Club School of Excellence caters for all the elite and potentially elite netball players who are on sport bursaries.
- NMMU Basketball Club hosts the EP Basketball league matches at the Missionvale Sport Centre
- NMMU Volleyball hosts the EP Volleyball Union matches at the Missionvale and South Campus Indoor Sport Centres.

The **Fitness and Aquatics Centre** was once again a hive of activity throughout 2011 contributing to overall Living and Learning and Wellness experience that NMMU wants its students to achieve. To further enhance the total wellness experience, 3 flat screen monitors were installed, streaming world sport throughout the day. The Fitness and Aquatics Centre consolidated the effect of the huge membership increase which reached in excess of 2 500 members, culminating in a bold plan to extend the facility in 2012. Negotiations with management and business plan proposals were tabled which resulted in interest-bearing loan of R5 million to the Sport Bureau to facilitate the extension. Towards the end of 2011 tenders were appointed and initial plans and costs were drawn up. This process will run its course throughout 2012 with the hope of breaking ground in 2013. Once again two Learn-to-Swim programmes were held during the year and prove to be very popular. The swimming pool was also used by the Human Movement Science and Sport Management students for Swimming and Life-saving and the Education students for swimming lessons. The Fitness and Aquatics Centre was also used by various international sport teams including the New Zealand All Blacks 15 and 7 teams.

The **Events Unit** has once again proved to be a vital role-player in ensuring that the Sport Bureau achieves its mission and was responsible for the management, organization and/or assistance with a large number of events and programmes. The relevant facilities include the following on the different PE Campuses: Indoor Sport Centres (South and Missionvale), 9 Sport Club Houses, 5 Multi Purpose Halls and 97 sport facilities. The list of events and activities are shown in Appendix 3 and range from 1 day to multiply day events and activities. The Events Unit is responsible for the booking and event logistics. In addition to these, the events Unit is also responsible for the booking and logistical matters relating for 350 meetings, 140 lectures, 33 days of tests, 60 Post graduate exams and lecture, 380 small functions and workshops and about 320 sport league matches.

The various sport clubs, activities and events on the **George Campus** continued to develop through the support of a committed group of students and staff. This has resulted in good achievements in the local leagues, as well as a number of students gaining selection for provincial teams, as indicated above.

The support from the NMMU, sponsors and the extra effort and the many extra hours of dedicated work and training of the staff and students of the Sport Bureau have made this all possible – your support is greatly appreciated and has helped the Sport Bureau to make a significant impact in many students lives.