



NSW2009 HIGHLIGHTS

1. PROVINCE: LIMPOPO

Date	Service Provider & Venue	Activity	Target Audience	Enquires
01 – 03/08 /2009	Bokamoso Science & Technology Centre : BOSTEC	Science Shows; Workshops on Doppler effect & transformation Geometry	Grade 11 & 12 learners	Mr MS Morudu 084 581
5 – 8 August 2009		Career exhibition; workshops on matter & material; computer literacy and indigenous medicine	FET learners & educators	
04 August 2009	Dendron Secondary School	Workshops on titration, rates of reactions, electricity & electrolysis	Grade 10 – 12 learners	Mr Thathana 076 602 9441
05 – 06 August 2009		Careers SET: Meet a chemical engineer, civil engineer, medical doctor and a pharmacist	Grade 10 -12 learners	
04/08/2009	Lemana High School	Career exhibition and workshops on making of aluminum pots, peanut butter and pottery	FET learners & educators	Ms E Nghatsane 076 140 1609
03-04/08/2009	SAYNP	Workshop on Nuclear Energy and Astronomy	All ages	Ms Segonyane 082 255 4344
03 - 07/08/2009	Shingwedzi EMPC: Malamulele	Workshops on: yoghurt making, data handling, evolution and exhibitions on SET study filed and careers by University of Venda , Malamulele Hospital & Vhembe FET	FET Learners & educators	Mr HE Baloyi 082 411 7054
04 – 07/08/2009		SET educational tours to: Sewage plant; water management and recycling plant; Eskom sub-station; Tshikodeni coal mine; Air force base; Coca-cola company & Nandoni	FET Learners & educators	

		water reticulation.		
01/08/2009	University of Limpopo Science Centre: Savannah Mall	Science shows and interactive science exhibits	General Public	Mr S Rikhotso 083 249 9575
04-07/08/2009	University of Limpopo Science Centre: Turfloop	Exhibitions on the treasure & history of mapungubwe, Thulamela and Makapansgat; Careers in SET by University of Limpopo, Eskom, Venetia mine, De Beers, Anglo platinum & Kumba	Grade 10 -12 learners and educators	
04-07/08/2009	University of Limpopo Science Centre: Turfloop	Workshops and talks on: Global warming, Your place in the universe, matter and material modeling & Human reproduction and sexual health	Grade 10 – 12 learners and educators and the general public	
03 – 07/08/2009	Vuwani Science Centre: Vuwani	Workshops on: Van de Graff generator, Boyles Law, Archimedes principle, ohms Law, Projectile motion , titration, reaction rates & inorganic chemistry	GET & FET learners	Prof Sankaran 082 552 0897
01/08/2009	Kutama High School: Kutama	Fun run and a lecture on Human body science	Learners & general public	Mr MS Makhumisane
07/08/2009	Kutama High School: Kutama	Traditional games: Muravharavha, Mufuvha, mulenze & ndode	Grade 8 – 12 learners	

2. PROVINCE: GAUTENG

Date	Service Provider & Venue	Activity	Target Audience	Enquires
01/08/2009	HartRAO: Kagiso Community Hall	Exhibition on astronomy & sky viewing and rocket launching	General Public	Ms A Koloko 012 326 0742
3 rd /5 th & 7 th /08/2009	HartRAO	Site visits followed by rocket launching, sky viewing and lectures on Astronomy and careers in space science	Grade 6 – 12 learners and university students	
03/08/2009	MEDUNSA: Akasia & Lesollang Primary Schools	Science shows on: Enlightening electricity, corroding metals, carbon dioxide production	Grade 1 – 4 learners	Ms F Seseng 084 442 3941
04 – 06/08/2009	MEDUNSA	Workshops on: Statistics, Genetic engineering, Chemical pathology, Development of drugs from plants, water purification, DNA extraction, cell Chemistry, etc	Grade 7 – 12 learners and educators	
03 – 05/08/2009	SAYNPS	Workshop/lecture on Astronomy and Nuclear Science	Grade 10 - 12 learners	Ms Segonyane 082 225 4344
01/08/2009	NZG (Pretoria Zoo):	A public lecture on Astronomy by astronomers and sky viewing through telescopes	General Public	012 328 3265 x 173 or 175
03 – 07/08/2009		ZooEduLab vehicle will visit schools in the greater Tshwane region to	Grade 4 – 10 learners	

		offer programmes on: Environmental changes		
05 - 06/08/2009		Workshop on: Data banking & record keeping, Veterinary pathology and, Genetic research	FET learners	
01 - 08/08/2009	Sci-Bono: Newtown	Workshops on: Dance of the planets; Walking tall; Jelly Tot structures; Chemical bonds; Building electrical circuits, Phases of the moon, The solar system Board game and Career Guidance		
01/08/2009	Scie-Enza: University of Pretoria	Excursion to De Wildt Cheetah Centre	Learners	Ms R Horak 012 420 2865
03 - 07/08/2009		Science shows; Visit to the camera obscura, Mapungumbwe works; Puppet theatre and Physics & Chemistry portfolio experiments	Grade 0 - 11 learners and the general public	
03 - 07/08/2009	Arcelormittal Science Centre	Workshops on: Rates of reactions; Electricity; Fun with polymers; Fun with Mathematics and SET exhibitions	Grade 10 - 12 learners	Mr T Mphokela 082 661 1630

3. PROVINCE: NORTH WEST

Date	Service Provider & Venue	Activity	Target Audience	Enquires
01/08/2009	Milner Park High School: Klerksdorp	5km fun run and a presentation on " Muscle pressure and heart beat" by a medical doctor	Learners, educator and general public	Mr SM Lupuwana 018 462 5215
05 – 07/08/2009	Milner Park High School: Hall	Video viewing on: Role of analytic chemistry in the sciences and Debate on: Scientific invention is a boom to mankind	Grade 8 – 12 learners and educators	
03 – 05/08/2009	SAYNPS	Lecture on Astromomy and Nuclear Science	Grade 10 - 12 learners and educators	Ms Segonyane 012 305 5577
03 – 07/08/2009	Platinum Development Trust	Workshops on computer literacy, and a visit to Fab lab and Madibeng water system	Grade 8 – 12 learners and the public	Mr Semele 012 257 6862
03 – 04/08/2009	Tigerkloof Secondary School	Workshops on: Soap making and Electroplating	Grade 11 – 12 learners	
05/08/2009	University of North West	Science educational tour to Mafikeng Airport and presentation on careers in aviation	Grade 7 – 9 learners and educators	Mr HP Kgoa 018 389 2481
07 – 08/08/2009	University of North West: Mafikeng	Workshop on IKS and Astronomy and meteorological observations	Learners, educators	Dr Kgabi 018 389

		using scientific equipments and the indigenous ways of meteorological observations	and general public	2174
03 – 07/08/2009	University of North West Science Centre: Potchefstroom			Prof J Smith Tel: 071 676 0880
03/08/2009	Vaal Reefs High School: Hall	Lecture by an astronomer	Grade 8 – 12 learners	Mrs Swart Tel: 082 496 3050
04/08/2009	Vaal Reefs High School: Anglo Gold Mine	Meet Scientists and practical observation of the purification and extraction of gold from its' ore at the mine	Grade 8 – 12 learners	Mr S Mkabela 074 409 2170

4. PROVINCE: MPUMALANGA

Date	Service Provider & Venue	Activity	Target Audience	Enquires
03 - 07/08 /2009	Osizweni Science Centre: Secunda	Field trips to Sasol plant in Secunda; Exhibitions on: Industrial chemical process, Osizweni interactive exhibits, Eskom exhibits, SAPS exhibition and Highlands water project. Workshops on titrations, electronics, ticker timer experiments, electric circuits, building of electric motor and rates of reactions. Rocket launch and activities on HIV awareness, science shows and exposure to role models in SET.	Learners and Educators	Dr R Wesi 079 877 3365:
01 - 07/08/2009	Kanyamazane ECD:	Educational tours to: Airport, SA weather services, Thekwane Lemon farm, Agricultural Research Council, SAPPI Craft Mill, Coca-Cola and TUT faculty of Engineering	FET learners and educators	Mr GD Manzini 013 766 0424
07/08/2009		Mathematics and Science Quiz Competitions	FET learners and educators	

08/08/2009	Kanyamazane ECD: Ehlazeni Regional Grounds	Fun run, fun walk and indigenous games	Learners, educators and general public	
03/08/2009	Kwandebele Science School	Workshop on acids and bases and also on exothermic and endothermic reactions	GET & FET learners	Mr Aphane 082 259 6536
04/08/2009		Career exhibit by the university of Pretoria focusing on Engineering (Chemical & civil) and Veterinarian science.	Grade 11 - 12 Learner	
03 - 04/08/2009	Mondi Science Centre: Piet Retief	Workshop on career pathing and a visit to Mkhondo water purification plant, SA weather service, traffic and fire department	Grade 10 - 12 learners	
01/08/2009	Osizweni Secondary School	Fun run preceded by a prerace lecture by a Physiotherapist	Learners, educators and general public	Mr IA Adebayo 073 111 0025
03/08/2009		Meet a pathologist and a workshop on DNA fingerprinting in solving crime riddles	Grade 9 - 11 learners	
05/08/2009		An educational trip to Sasol Synfuels plant in Secunda	Grade 12 learners	
03 - 06/08/2009	Tess Technology	Presentations on: Paper making, making of paint and visit by the following scientists to schools: Engineers (Chemical, mechanical, electrical and civil), Health (Grade 10 - 12 learners, educators and general public	Mr Maseko 083 477 6053

		general practitioner, physiotherapist, pharmacist & optometrist)		
08/08/2009	Tess Technology: Thulamahashe	Workshops on: momentum, electric circuits, rates of reaction,. Science shows on: coke explosion, obedient ring etc	Learners, educators and public	

5. PROVINCE: KWAZULU-NATAL

Date	Service Provider & Venue	Activity	Target Audience	Enquires
01/08/2009	Amesa: Durban Girls High School	Workshop on: Normal Distribution curve	Grade 10 – 12 learners	083 944 4260
03 – 07/08/2009	Amesa: Phoenix Technical Hall	Maths 20 competition semifinals and finals	Learners and educators	
01 -07/08/2009	Unizulu Science Centre: Richards Bay community Park	Science Exhibits, IKS astronomy show, SA Air force display and traditional games competitions	Parents and general public	Mr D Fish Tel: 035 797 3204
05/08/2009	Unizulu Science Centre: Richards Bay community Park	Workshops on: Astronomy	FET educators	
03 – 07/08/2009	Bergville Community Builders: Farmers' Hall Bergville	Exhibits and hands-on workshops on DNA and enzyme testing conducted by MRC	Grade 10 - 12 learners	Mr N Maphalala 073 417 0438
03 – 07/08/2009	CASME: Msinga Circuit Resource Centre/ Ndwedwe Circuit Resource	Workshops on: Making a sundial and using a data projectors and open-source astronomy simulation software such as Celestia and Stellarium will be	Learners and educators	031 260 2508

	Centre/ Umgungundlovu FET Resource Centre	taken on tours of the Solar System and also a presentation on careers in astronomy, engineering, computer science and system development.		
03 - 08/08/2009	Inanda Seminary: Durban	Exhibits by universities	Grade 10 - 12 learners	Mrs Joubert 031 510 1011
05 & 06/08/2009	Inanda Seminary: Durban, St Lucia & Richards Bay	Educational tours to the Water purification plant, Botanical gardens & St Lucia National Heritage site	Grade 10 - 12 learners	Mr MH Dube 031 510 1011
03 - 08/08/2009	Sea World	Tour of the facility and a workshop on careers in the marine environment	Learners and educators	N Mdlalose 031 328 8195
04 - 08/08/2009	Umzimaste: Umzimkulu/ Pholela/ Durban/	MSTE exhibitions on: Water, electricity, ICT, Petroleum science	Learners and educators	Mr MS Mosala 082 351 3114
03 & 04/08/2009	Adams College	Educational tour to Eskom plant in Bergville and Water purification plant in Durban	Learners and educators	Mr S Xulu 031 905 1365

6. PROVINCE: EASTERN CAPE

Date	Service Provider & Venue	Activity	Target Audience	Enquires
02 & 03/08/2009	Bisho High School: Bisho	Educational tours to KWT water purification and sewerage plans	Grade 11 – 12 learners	Mr Kirabira Tel: 082 882 7335
03 - 07 /08/2009	Bayworld: Port Elizabeth	A lecture on Sharks: Mythical, magnificent and misunderstood and a workshops on careers in Marine Science	Grade 7 – 9 learners	Dr Diken 041 584 0650
03 – 07/08/2009	Bonani	Workshops on: Exploring indigenous knowledge and sharing beliefs, building an orbiter, making a telescope and career opportunities in Space science	Grade 7 learners	Karen 084 581 1828
01/08/2009	DoE – East London: Qamta Great Hall	5km fun run and a talk on Science of Sports	Learners and general public	Mr Z Mgijima 078 622 5347
02/08/2009		IKS day focusing on: traditional foods, traditional beer, traditional artifacts, traditional music, traditional dance and a lecture on IKS by University of Fort Hare	Learners, educator and general public	Mr AM Ntuka 082 475 8729
04 – 05/08/2009		Workshops on: Wonders of the world of science; Analytical Chemistry and street theater competition	Learners, educators and general public	Mr N Hoka 072 538 4527
08/08/2009		Educational tours to: SABS Animal health plant, Airport, Daimler Chrysler SA plant, Museum, Zoo and Aquarium	GET & FET learners	
05 - 06/08/2009	Hector Petersen High School:	Public lectures on traditional healers, medicines and practices	Grade 8 – 12 learners	040 654 1071
07/08/2009	Zwelitsha	SET Careers Day	Grade 8 – 12	

			learners	
02 - 07/08/2009	University of Fort Hare Science Centre: Cradock & Alice	SUNSTEP & TRAC workshops on syllabus based experiments and a public lecture titles: Astronomy and its role in our community	Grade 8 – 12 learners & educators	Mr P Kwinana 072 771 2126
03 – 05/08/2009	University of Fort Hare Science Centre: Alice	Learners competitions on projects including bridge building	Grade 8 – 12 learners & educators	
03 – 07/08/2009	SAIB	Drama on Evolution	Grade 10 – 12 learners and educators	Mr Magajana 084 694 5965
04, 05 & 07/08/2009		Workshops on DNA – unlocking the secrets	Grade 10 – 12 learners	

7. PROVINCE: FREE STATE

Date	Service Provider & Venue	Activity	Target Audience	Enquires
03/08/2009	Lejweleputswa (SANBI): Bloemfontein – Botanical Gardens	Open day talk on: Medicinal plants and water wise garden	Learners, educators & general public	Ms S Mandla 051 436 3530
06/08/2009		Workshop on: How to grow vegetables without soil by using hydroponic system; How to extract the essential oil	Learners	
01 & 03 - 04 /08/2009	University of Free State: Boyden	Workshop on: Earth and beyond	Grade 6 – 7 educators	051 401 2561
03 – 07/08/2009	University of Free State: Main Campus	Workshops on: Family Maths and Family Science	Grade 6 – 7 learners & educators	
06 – 07 /08/2009	Central University of Technology: Bloemfontein	Open day: visits to Engineering faculty, Civil Engineering, Mechanical engineering, Information Technology and FABLAB	Grade 9 – 12 learners and educators	Mr BW Jeremiah 015 507 3070:
01/08/2009	Fezile Dabi ERC: Kroonstad	Presentation by Blood bank on: What is blood?; Where does it come from?; Blood types: phenotypes and genotypes	Learners, educators and general public	Ms Potsane 082 785 9318
04 – 07 /08/2009	Fezile Dabi ERC: Kroonstad	Workshops on: Astronomy (Using of telescopes to explain the whole field of astronomy); Funny Science in the kitchen; Evolution, Basic biotechnology and HIV in the life Science classroom; titration; Boyles Law, Current electricity; Electrodynamics v/s electromagnetism; Conservation of energy; Pressure-volume relationships in gases; IKS		

		games (Dibeke, Morabaraba, Blikkies and Kgadi)		
05/08/2009	Fezile Dabi ERC: Virginia	Educational tour to Jewellery making school; Lethabo Power Station;	Grade 11 – 12 learners	Mr Ferndale 082 945 1641
03/08/2009	Leseding Technical School: Welkom	Workshops on: Mine surveying and solar cooker and The medicinal properties of plants	Grade 11 -12 learners	Ms A Jonker 057 916 7350
04/08/2009	Leseding Technical School: Welkom/ Bothaville/ Virginia/ Bloemfontein	Educational tours to: SA Weather services; ABI; Ligia Paper; Blood bank; Jewellery school; Morada Cement casting; Sebibeng water,,; Afri cars; Maxiprest Tyre retreading plant and Boyden Science Centre		
03 – 06/08/2009	Motheo ERC: Bloemfontein	Workshops on: Launching a rocket; Mechanics; Science at home; and DNA extraction	Grade 7 – 12 learners	Mr MS Seutloali 072 533 2596
04 – 07/2008		Educational tours to: Bloemfontein milling and National museum	Grade 9 – 12 learners & educators	082 941 7387
04/08/2009	RT Mokgopa High School	Workshops on: Separation of mixtures; Reaction of metals with oxygen and water	Grade 7 – 9 learners	Mr Ramphahlele 072 992 0975
06/08/2009	RT Mokgopa High School	Career exhibitions on engineering: Electrical; Civil and Mechanical	Grade 12 learners	Mr Meko 078 180 4311
03 – 07/08/2009	Xhariep ERC: Koffiefontein/Bloemfontein	Educational tours to Water purification & sewerage plants; and Boyden Observatory	Grade 11 -12 learners	Mrs SC Scott 073 143 9797
03 – 07/2009	Xhariep ERC: Koffiefontein	Workshops on: Magnetism; and exposure to role models in SET: radiologist; civil engineer, etc.	Grade 11 – 12 learners	Mr J Botha 072 732 2142
03 – 07/08/2009	Tshiya ERC: Ficksburg/ Bethlehem	Meet SET role models: Physiotherapist; medical doctor; engineer; ect.	Grade 9 – 12 learners	JW Nel

03 - 07/08/200 9	Tshiya ERC: Ficksburg/ Bethlehem	Workshops on: HIV/AIDS; Family science; Electronics; Beadwork		
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8. PROVINCE: NORTHERN CAPE

Date	Service Provider & Venue	Activity	Target Audience	Enquires
03 07/08/2009	Kgomotso High School	Meet scientist: Town planner; Architect; Mechanical engineer, Electrical engineer; Civil engineer and Physiotherapist	Grade 10 - 12 learners	Ms Modisaotsile 073 271 7926
04 & 06/08/2009	Kimberley Girls High School	Competitions: Tangram ; Trebuchet; and Mathematical relay	Grade 10 - 12 learners	
01/08/2009	NIHE	Indigenous games: Dibeke; Morabaraba; Kgati Diketo & Juskei	Grade 8 - 12 learners	Mr M Xesi Tel: 053 839 6588
03 - 04/08/2009	NIHE: Kimberley	Exhibits on the following sectors: mining; engineering; agriculture, and medicine. Workshops on: Dangers of drug abuse; How to set up and use a telescope; Research in cattle farming, Astronomy; Bridge building	Grade 8 - 10 learners	Ms Busi Tel: 083 276 9512.
05 - 06/08/2009	NIHE: Mayibuye Centre	Workshops on: Forensic science; Sports Science; HIV/AIDS; Bridge building	Grade 10 - 12 learners	I Murphy Tel: 053 830 0524
03 - 07/08/2009	NIHE: Sutherland	Educational excursions to: Sutherland;	Grade 7 - 11 learners	Mr F Nassie Tel: 073 211 9157

9. PROVINCE: WESTERN CAPE

Date	Service Provider & Venue	Activity	Target Audience	Enquires
03 – 07/08/2009	SAAO: Cape Town	Science shows, tour of the facility, workshops on Astronomy and informal interaction with role models in SET	Grade 10 – 11 learners	Sivuyile
03 – 07/08/2009	SAAO: Cape Town	Workshops on: Tools for teaching Astronomy; talk by astronomer; developing African plainsphere and sky viewing	GET & FET educators	
08/08/2009	SAAO: Cape Town	SAAO open night	General public	
01 & 08/08/2009	Western Cape Department of Education:	Educational tours to Fossil Farm and West Coast	GET & FET educators	T Botha Tel: 084 551 0508
04 & 06/08/2009	Western Cape Department of Education: Cape Academy & Ravensmead High School	Presentation on: Role played by Mathematics in Physical Sciences teaching and learning	Grade 10 – 12 educators	D Francis 083 320 8301
05/08/2009	Qhayiya Secondary School: HIK Albano Farm	Educational tour to Abalone farm	Grade 10 12 learners	Mr G Tutt 028 313 1055
06 – 08/08/2009	Qhayiya Secondary School	Workshops on: generating electricity and building electric motor	Grade 7 – 12 learners	Ms T Ncapayi 028 313 0001

01/08/2009	Ithemba Labs	Tour of the facility (visit to lab including cancer treatment information sessions)and interaction with scientists	General public	Dr G Areense
03, 06 & 07/08/2009	Ithemba Labs: Mossel Bay & George	Workshops on: Electrostatics & electronics; Light and Energy and Career Day	Grade 9 – 12 learners and educators	Dr G Arendse 021 843 1113
01 & 07/08/2009	MTN Science Centre: Tokai Forest	Workshops on: DNA/Genetics; Weight on different planets and shows on Inflatable Planetarium	Learners, educators & general public	Gabi 021 529 8100
02 – 05/08/2009	MTN Science Centre	Beading workshop; telescope making; Astronomy workshop; Science shows; Exhibitions; fossil making and tours of the Camera obscura	Learners, Educators & general public	
06/08/2009	MTN Science Centre	Workshop on HIV; CSIR science theatre and evening talk on : The science of underwear	Learners, educators and general public	