

## HIGHLIGHTS FOR NATIONAL SCIENCE WEEK ACTIVITIES 2010

The following are the highlights of National Science Week 2010 in each province, including contact details of the organisers.

### PROVINCE – GAUTENG

SERVICE PROVIDER	DATE	TOPIC AND DESCRIPTION OF ACTIVITY	VENUE	TARGET	ENQUIRIES
ASSAF	02/08/2009	<p>Public Lecture on: Energy Security, Role of Science in Economic Development and Farmer to Pharmer</p> <p>Lectures on: Energy Security and Space Science and Technology</p> <p>Lecture on: Space science and technology; Role of Publication in evidence based policy making; and Global change</p>	<p>Tshwane University of Technology: Pretoria and Soshanguve Campuses</p> <p>Tshwane University of Technology: Acardia</p> <p>Tshwane University of Technology: Garankuwa Campus</p>	Pretoria Students, Learners and Public	<p>Merline Rossouw: 012 3835221</p> <p>Nicholas Masango 082 904 8641</p>
Sci-Bono Discovery Centre	02 - 06/08/2010	<p>Presentation on: The importance and conservation of biodiversity and information about greenhouse gases</p> <p>Interactive Experiment on: water and the six meanings of being water wise</p> <p>Science centre exhibition tour focusing on: Mathematics; Science, Technology and Engineering</p>	Sci-Bono Discovery Centre: Newton/Johannesburg	Grade 1 – 12 Learners and Educators	Cynthia Sithole 011 639 8400
National Zoological Garden (NZG)	02-06/2010	Tour of the facility and presentation on: The Science of taxonomy	National Zoological Garden	Learners, Educators, Students and the	Rubeena Sampson 012 328 3265 x

	03 - 07/08/2010	Practical demonstration and interaction with research Staff on: Biodiversity research at the NZG Public lectures on: Celebrating life on earth; and Bio mimicry		Public	175
Morolo Consultant	02/08/2010	Public lecture: Energy Security ; Human and Social dynamics	Vaal University of Technology (Vanderbijlpark)	Learners and Public	Fusi Motaung 072 120 7603
NECSA	02/08/2010	Nuclear Energy: How nuclear can and will play a role in the country's energy mix Presentation: Florochemicals and their use in the industry Presentation on: Careers in the nuclear Industry	NECSA Plant	Learners and Educators	G Lekwe 078 460 2454
Sci Enza	02 - 06/08/2010	Unveiling of Mirage; visit to geological and Mapungumwe museum; interactive science shows and guided tours to the camera obscura	University of Pretoria: Pretoria	Educators and Learners	Rudi Horak 012 420 2865
Ivory Park High School	04 & 07/08/2010	Curriculum based experiments on: titration; electric current. 3km fun run and presentation on benefits of excises.	Ivory Park High School	Educators, Learners and Public	Dan 073 0989311
Arcelomittal Science Centre		Demonstration on how Adcock Ingram manufacture their products Presentations on career opportunities in the: South African Navy and South African Police; careers available at Mittal, Careers in the Health sector	Arcelomittal Science Centre	Learners and Educators	Carl Kruger 011 494 6215 Terence Harrison 016 889 2612
University of Limpopo (Medunsa)	04/08/2010	Workshop: The process of developing bio-pesticides and drug using biotechnology techniques	Medunsa	General Public and Learners	F Seseng 012 521 4610

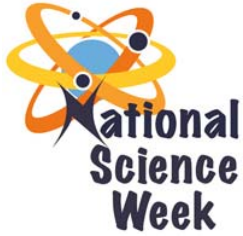
		Presentation: Careers in science, health science and technology			
NRF/SAASTA	04/08/2010	Media Round Table: Modern Day technologies to address biodiversity challenges: Technologies from the fields of biotechnology, nanotechnology and hydrogen fuel cell technology will be placed under scrutiny	Turbine Hall - Newtown	Media	Lorenzo Raynard 072 646 8482
	02 – 06/08/2010	Workshops and presentations on: Forensic science; career guidance, space science including sky viewing.  Science exhibits by different organisations	Johannesburg Observatory	Learners, educators and general public	Shadrack Mkansi 083 313 9006



## HIGHLIGHTS FOR NATIONAL SCIENCE WEEK ACTIVITIES 2010 PROVINCE – FREE STATE

SERVICE PROVIDER	DATE	TOPIC AND DESCRIPTION OF ACTIVITY	VENUE	TARGET	ENQUIRIES
Welkom Lejweleputshwa	02/08/2010	Presentation on: The medicinal properties of plants	Theunissen	Grade 10 – 12 Learners	S Mandla 051 436 1867
	03/08/2010	Workshop on: Constructing a burglar alarm	Welkom	Grade 9 Learners	G Khoarane 011 545 1387
	02 - 06/08/2010	Visits to the following sites: Gold plant; Maxiprest tyres; ABI; Ligia paper; Afri cars; Jewellery school; Morada cement casting & Beatrix mine	Sites visits	Educators and Learners	O Jansen 082 371 8781
Fezile Dabi District	02 - 04/08/2010	Workshop on: Traditional beadwork Workshop on: Electricity usage at home Workshop on: Linear Programming Educational tours to: Lethabo Power Station; Mophaka Water purification; Sasol Infracchem; Harmony Jewellery School	Fezile Dabi  Sites	Community members Grade 9 Learners Learners and Educators Grade 11 Learners	DA Potsane 056 216 3855
National Museum	02 - 06/2010	Facts about Dinosaurs: Kind of dinosaurs, match dinosaur with their shadows and step on dinosaur footprints Presentation on: Fossil and Human evolution (types of fossils, importance thereof, methods of dating and what you need to do to become a palaeontologist)	National Museum: Bloemfontein	Grade 1 -3 Learners Grade 10 Learners	Ancilia van Staden 051 4479 609 Sandra Bishop 051 4479 609
	07/08/2010	Family Science Day ( science cafes and movie festivals)	National Museum: Bloemfontein	Parents with their children and Public	Tebogo Mohlakane 051 4479 609

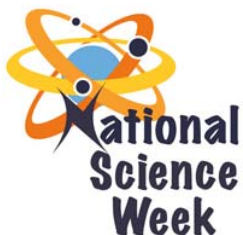
Motheo Resource Centre	04 – 06/08/2010	Workshops on: Biodiversity (plant adaptation; life in leaves, diversity of plants, medicinal garden as well as the greenhouse and hothouse); and on Momentum , electricity, astronomy, etc)	National Museum: Bloemfontein	Learners and Educators	Beukes Slyvia 051 404 6931
ASSAF	05/08/2010	Lecture on: Role of Publication in evidence based policy making; Farmer to Pharmer	Central University of Technology	Students; Staff and Learners	Brend Jeremiah <a href="mailto:bjeremiah@cut.ac.za">bjeremiah@cut.ac.za</a>



## HIGHLIGHTS FOR NATIONAL SCIENCE WEEK ACTIVITIES 2010

### PROVINCE – NORTH WEST

SERVICE PROVIDER	DATE	TOPIC AND DESCRIPTION OF ACTIVITY	VENUE	TARGET	ENQUIRIES
ASSAF	02/08/2010	Lecture on: Global change and Farmer to Pharmer	North West University: Mafikeng and Potchefstroom Campuses	Students; Learners and Staff	Lucky Seleti 018 389 8096
North West University (Potchefstroom Campus)	02/08/2010	Presentations on: The role of IKS in our lives; the importance of biodiversity and conservation of nature (plants and animals)	North West University: Potchefstroom Campus	Grade 10 – 12 Learners	Prof J Smith 018 299 4239/6
	02/08/2010	Hand-on science experiments at the Science Centre	North West University: Potchefstroom Campus	Grade 10 – 12 Learners	Dr S Rapule 018 299 4239/6
Platinum Development Trust	02 - 06/08/2010	Motivational talks by: Scientists from Necsa, mining sector, banking sector and career exhibits	Oukasie	Learners, Educators, parents and community	David Semela 083 230 8516

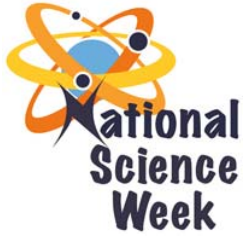


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### PROVINCE – LIMPOPO

SERVICE PROVIDER	DATE	TOPIC AND DESCRIPTION OF ACTIVITY	VENUE	TARGET	ENQUIRIES
BOSTEC	02 – 06/08/2010	Talk show on: Global warming and how it affect the lives of the people; Alternative ways of saving electricity; Forming of science clubs in the area;HIV/Aids awareness and testing  Science shows and exhibits	Bokamoso Science and Technology Centre	Grade 7 -12 Learners, Educators and Public	MS Morudu 083 471 3414
Dendron Secondary School	03/08/2010	Puppet show; Chemistry experiments (redox reactions and titrations); interaction with role models in SET (chemical engineer, mining engineer, mechanical engineer, astronomer, medical doctor)	Dendron High School	Learners and Educators from surrounding schools	Chikade J 071 9525 199
Shingwedzi EMPC	02 – 06/08/2010	Workshops on: Data handling, organic chemistry, food testing and microscopic investigation and career exhibitions  Educational tours to: Sewage plant, Nandoni water purification plant	Madonsi: Shingwedzi EMPC  Sites	Learners, Educators	HE Baloyi 082 411 7054
Palaborwa Foundation	02/08/2010	Presentation on ecosystem and conversation	Kruger National Park	Grade 10 – 12 Learners	Ray Duba 083 643 9928
	05/08/2010	Career in Engineering	Foskor	Grade 10 -11	Shawn Paulese 015 789 2167
Science-tube	02 - 06/08/2010	Science shows (how milk is made from the laboratory, simple way of producing soft drinks, straw vuvuzela, mobius rings, coke and methanol)  Presentations on: Biodiversity and career exhibitions (biotechnology, engineering, mathematics, nanotechnology and space science)	Mutale	Learners, Educators and the Public	Livhuwani Masevhe 079 112 3425

	07/08/2010	5km fun run followed presentations by the following scientists; physiotherapist, doctor, biochemist, dietician, sportsman). Presentations will focus on: how our bodies use energy, effects of energy drink during sport activity, difference between water and energy drink and kind of food for sport people	Learners, Educators and community.	Mutale	Livhuwani Masevhe 079 112 3425
Makomba_Ndlela Youth Development	05 & 06/08/2010	Interaction with role models in Science, Engineering and Technology and career exhibits	Grade 9 – 12 Learners	All high schools in Lephalale region	Victor Khosa 073 859 4520
Limpopo Academy for Science and Technology	02 - 07/08/2010	Presentations on: Process of steel marking, electricity generation, IT and soccer world cup, interaction with SET role models, fun experiments	Weenen combined school, Ebenezer high school, Magement Primary School, Gwenane High School, Nkakabidi High school, Mushupya Primary	Learners and Educators	Lance Letsoalo 072 631 3826
SLEG	02 - 07/08/2010	Science shows on Sound waves, mechanics of gravity in vacuum, black body radiation, helium gas and contraction of sound waves  Lecture: History of Computer technology and career branching; and global warming  Careers in SET: medicine, SADF, agriculture, space science  Visit to Medupi power station	Lebowakgomo Civic centre  Ngwako-Ramothlodi Sports Complex (Seshego)  Medupi Power station	Learners, educators and general public	Bushy Moabelo 083 979 5279
ASSAF	06/08/2010	Lectures on: Energy Security and Global warming	Tshwane University of Technology: Polokwane Campus	Students, Learners and Staff	Merline Rossouw 012 383 5321 Nicholas Masango 082 904 8641

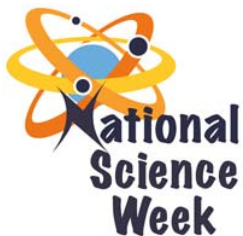


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### PROVINCE – KWAZULU NATAL

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Sea World	02 - 04/08/2010	Sea world experience: Interaction with scientists, animal keepers and presentation on fisheries and marine careers	UShaka Sea World: Durban	Grade 9 Learners	031 328 8195/6
	05/08/2010	Educator workshops: Fisheries and social economic issues and marine careers	Mbumbulu	Educators	
	07 - 08/08/2010	Sea World Exhibits and research projects on fisheries and ecotourism	Sea World: Durban	Community and Public	
OM-MTN Science Centre	02/08/2010	Presentation and Quiz on Nanotechnology	Umhlanga Rocks	Learners and Educators	031 566 8040
	03/08/2010	Workshops on: Cloning and testing of iodine			
	04 - 08/08/2010	Workshops and presentations on: Biodiversity, Science of Sport; and Astronomy		Learners, Educators and Public	
	07 - 09/08/2010	Interactive Science exhibits			
Inanda Seminary	06/08/2010	Biodiversity and ecosystem; IKS and nature conservation	Umgeni Valley	Grade 10-12 Learners	Erica Joubert 031 510 1011
CASME	03 - 06/08/2010	Presentations, debates and discussions on: Theories of the origin of life on earth; Plant biodiversity; Animal biodiversity; and Biodiversity in South Africa.		Learners, Educators and Public	Themba Mthetwa 031 260 3420
Unizulu Science Centre	02 - 07/08/2010	Science shows, laser demonstration, big screen movies, reptile show and	Community Park, Alton, Richards Bay	Tertiary Students	Derek or Stacey 035 797 3204

		science exhibits			
	04/08/2010	Workshop: Role of science in economic development	Richards Bay	Secondary school Learners	
ASSAF	06/08/2010	Lecture on: Social and human dynamics; and farmer to Pharmer	Durban University of Technology	Students; Learners and Staff	Fred Otieno 031 373 2577

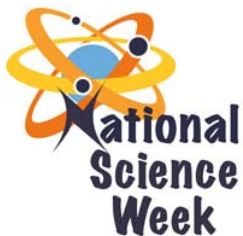


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### PROVINCE – EASTERN CAPE

SERVICE PROVIDER	DATE	TOPIC AND DESCRIPTION OF ACTIVITY	VENUE	TARGET	ENQUIRIES
ASSAF	02/08/2010	Lecture on: Role of Science on economic development; Social & human dynamics	Walter Sisulu University	Students, Staff and Learners	Tanya Smith 043 702 9380
Makana Alliance	02/08/2010	Educational theatre - "Walk Tall" a theatre piece to facilitate understanding of evolution and inspire Learners about the palaeo sciences and palaeontology	Noluthando Hall: Grahamstown	General Public	Tina Moss 082 530 1394
	03/08/2010		Recreation Hall: Grahamstown		
SAIB	02 - 05/08/2010	Launch of Science Clubs	Nyaluza SS School; Ntshika SS School; Nombulelo SS School; Mary Waters SS School; Hendrick Kanase Combined School	Learners and Educators	Nozi Hambaze <a href="mailto:v.rouhani@saiab.ac.za">v.rouhani@saiab.ac.za</a>
Bayworld	02 - 06/08/2010	Marine biodiversity: Information on the feeding, reproduction, habit and structural adaptations of sharks.  Presentation on possible career opportunities in the marine science as well as on the ecotourism potential of sharks and other marine animals in establishing business opportunities in coastal regions.	Bayworld: Port Elizabeth	Grade 7 – 12 Learners	Sandile Dyantyi 041 584 0650
Bisho High School	02 - 07/08/2010	Exciting curriculum based experiments in Physics and Chemistry and presentation on: Biodiversity ,Space Science, Maths puzzle, nanotechnology and SET careers	Bisho High School	Grade 10 -12 Learners	Mr Kirabira 082 882 7335

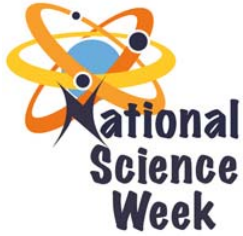
Bizana District	02 - 05/08/2010	Presentations on SET careers: Agricultural sciences, Engineering and presentation/workshops on: Electrochemical cells; HIV/Aids awareness and sports science	Bizana District	Learners, Educators, parents and Public	Mkukwana PJ 072 500 1834
Bonani Educational Enterprises	02 - 06/08/2010	Hands-on presentation about the role and biodiversity of estuaries and their benefits	Zwartkop Estuary	Grade 6 & 8 Learners and Educators	082 329 6842
	07/08/2010	A walk along the coast highlighting topical issues including human and social dynamics and climate change – interaction with scientists	SAMREC in Cape Reciefe	General Public	
Sterkpruit College of Education	02/08/2010	Public talk on Historical perspective of Maths and Science teaching in South Africa; Economic value of water; and indigenous knowledge systems	Strekpruit College of Education	Learners, Educators, Public and politicians	S Beje 082 569 1133
Mthatha Department of Education	03 - 05/08/2010	Talks on: Space Science; Climate change and renewable energy	Mthatha	Learners, Educators, general Public	Nolizwi Sitsheke 073 354 7296
FOSST Discovery Centre	02/08/2010	Presentation: Innovative and economic ways of agricultural production using low cost implements  Poster and project presentation: Bridge building, steam propelled car and maths quiz	Alice: University of Fort Hare	General Public	P Nkwinana 040 602 2160



## HIGHLIGHTS FOR NATIONAL SCIENCE WEEK ACTIVITIES 2010

### PROVINCE – NORTHERN CAPE

SERVICE PROVIDER	DATE	TOPIC AND DESCRIPTION OF ACTIVITY	VENUE	TARGET	ENQUIRIES
SAAO	02-06/08/2010	Presentations and discussions on: Our solar system; phases of the moon; seasons, life and death of a star, galaxies, star cluster, nebula and telescopes; guided tour of visitor centre exhibitions; guided tour of SALT; general astronomy and stargazing	SAAO	Grade 9 -12 Learners	Marilize du Plessis 023 5711 205;
NIHE	02/08/2010	Lectures on: HIV & Economy; plastic AND POLYMERS; ska & Meerkat programmes  Competitions: Bridge Building, Building of a telescope  Stargazing	NIHE-Kimberely and Kuruman	Grade 10-12 Learners, Educators and general Public	Gerald Alfred 053 807 5371 Desmond Mabote 084 870 5526 L Poonawassy 084 308 8792
ASSAF	03-05/08/2010	Lecture on: Role of Science in economic development; Farmer to Pharmer	NIHE - Kimberely	Staff, Students and Learners	Nyeze Mohale 053 809 5367



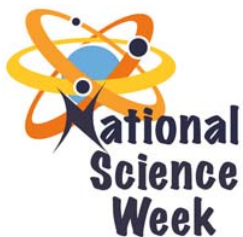
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### PROVINCE – WESTERN CAPE

SERVICE PROVIDER	DATE	TOPIC AND DESCRIPTION OF ACTIVITY	VENUE	TARGET	ENQUIRIES
University of the Western Cape	02 - 06/08/2010	Launching of science clubs at a number of schools and science shows	Schools in the province	Grade 7 – 12 Learners	Prof MS Hartley 083 552 1507
SAAO	02 - 06/08/2010	Presentation on astronomy by astronomers and career opportunities in astronomy and a science show on Sumbandila satellite; and rocket launching	Cape Town	Grade 10 -11 Learners	Sivuyile Manxoyi 021 447 0025
		Stargazing	Langa Township		
HMO	02 - 05/08/2010	Presentation: How Aurora form at the North and South poles; satellite building/foxhunting  Presentations on: How to generate electricity	HMO-Hermanus  Palmiet Power Station	Grade 8-10 Learners	Elisa Fraser 028 312 1196
	07/08/2010	Open day: Rocket building; rocket launch, science café and interactive space weather	HMO: Hermanus	General Public	
ASSAF	03/08/2010	Lecture on: Role of Publication in evidence based policy making; and Energy security	Cape Peninsula University	Students, Learners and Staff	Talia Green 021 959 6666
iThemba Labs	03/08/2010	Workshop: Sound of music (sound waves	Weston SS School	Learners	
MTN Science Centre	02/08/2010	IKS Science Show: Iphupa Lenkwenkwe	Cape Town	Grade 8 -12 Learners	Carmen Solomon 021 529 8100
	03/08/2010	Workshops on: Nano; HIV; and innovation	Cape Town	Grade 10-12 Learners	
	04 - 05/08/2010	Speed date a role model: Biologist, chemist, biokineticist, physiotherapist, engineer	Learners	Cape Town	

Workshop on: Global warming, the greenhouse Learners

		effects and ozone  Lecture on: Great South African Innovation to illustrate the importance of innovation to the development of the economy	General Public		
	07/08/2010	Family fun day – Free entry to the MTN Science Centre for all visitors.  Science shows: Baffling banana kicks; and Planetarium show- Earth's wild ride	General Public	Cape Town	



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### PROVINCE – MPUMALANGA

SERVICE PROVIDER	DATE	TOPIC AND DESCRIPTION OF ACTIVITY	VENUE	TARGET	ENQUIRIES
Osizweni Science Centre	02 - 06/08/2010	Exhibits: Sasol, Eskom, SAPS, Aviation, IKS, careers in the medical field. Workshops on electronics, dynamic experiments, ticker timer experiments	Osizweni Science Centre	Learners, Educators and general Public	Agela Ford 017 689 2005
Pernreach	02 - 05/08/2010	Lectures on: Electricity, organic chemistry and interaction with role models in SET	Nelspruit	Learners, Educators and general Public	B Nkuna 013 758 9000
Ndebele EDC	02 - 05/08/2010	Lecture on careers in SET and workshops on structure of cells and formation of rocks		Grade 7 -11 Learners	Mr Tshum 083 589 5552
Nkomazi EDC	02 - 05/08/2010	Presentation: Wildlife conservation & sustainability as well as careers in wildlife	Kruger National Park- Berggandal	Learners	CO Khoza 082 938 7766
Kanyamazane EDC	03/08/2010	Practical's: Weather forecasting	KMIA weather station	Grade 12 Learners and Educators	Dr GDA Manzini 013 766 0424
Kwandebele Science Combined School	02/08/2010	Workshops on: Reflection & refraction of light rays; Exothermic & endothermic reactions; acids and bases	KwaMhlanga	Grade 9 Learners	MF Mohale 082 441 6996
	07/08/2010	Seminar: The role of science in economic development	KwaMhlanga	Educators	LC Aphane 082 259 6536
Mondi Science Centre	02/08/2010	Lecture: The impact of carbon emissions on livelihood	Piet Retief	Grade 12 Learners	Mondi Mguni 083 3702657
Barberton EDC	06/08/2010	Competitions: Balsa Wood Bridge; Water bottle rockets; Research projects; and Humpty Dumpty egg drop; sink the boat	Barberton ECD	Learners	Lizzy Ceko 072 149 1942

ASSAF	04 – 05/08/2010	Lectures on: Social and human dynamics; and Energy security	Tshwane University of Technology: Emalaheni and Nelspruit Campuses.	Students, Staff and Learners	Merline Rossouw 012 383 5321 Nicholas Masango 082 904 8641
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