



Old Mutual MTN

Province: Kwa-Zulu Natal

Project implementation plan for Focus Week (1-8 August 2009)

Date	Venue	Description of activities	Facilitators / Speakers	Target Audience	Enquiries
3-7 August 2009	Gateway Theatre of Shopping, Wavehouse Events Arena	Informal talks and lectures from STEM-related organizations. This will include:	Various – from different organisations	Learners (Gr. 8-12) Educators (Gr. 8-12) Public	Tel: 031-5668040 Fax: 031-5663148 E-mail: infosc@gatewayworld.co.za
3 August 2009 10:00 – 10:30 7 August 2009 09:30 – 10:00		Career Talk – Chemical Engineering	NSTF Volunteer - Denira Varma		OR Candice Rajah educationsc@gatewayworld.co.za
3 August 2009 09:30 – 10:00 12:30 – 13:00 4 August 2009 09:00 – 09:30 12:00 – 12:30 6 August 2009 10:00 – 10:30 12:30 – 13:00 7 August 2009 10:00 – 10:30		Satellites & Space	CSIR – Johnny Rizos		

Date	Venue	Description of activities	Facilitators / Speakers	Target Audience	Enquiries
12:00 – 12:30					
3 August 2009 10:30 – 11:00 13:00 – 13:30		Fun with Maths	SAICA – Msizi Mkhize		
3 August 2009 11:00 – 11:30		Evolution – 200 Years of Darwin	UKZN – Dr Michelle Stears Trevor Williams		
3 August 2009 12:00 – 12:30		Role Modelling			
4 August 2009 11:30 – 12:00			Natal Sharks Board – Steven Magubane		
4 August 2009 09:30 – 10:30		Shark Dissection	LifeLab		
6 August 2009 09:00 – 10:00					
4 August 2009 13:00 – 13:30		Biotechnology Presentation	UKZN – Dr N Govender		
5 August 2009 09:30 – 10:00					
5 August 2009 10:00 – 10:30		Astronomy Presentation	NSTF – Dipolelo Thobane		

Date	Venue	Description of activities	Facilitators / Speakers	Target Audience	Enquiries
5 August 2009 13:00 – 13:30		National Youth Services	PlanBio – Helen Hingle		
6 August 2009 11:30 – 12:00		Plant Biology	UKZN – Prof Abdul Mirza		
7 August 2009 10:30 – 11:00 11:30 – 12:00		Quantum Technology	ASSAF – Dr Sunil Maharaj		
6 August 2009 12:00 – 12:30		Maths	Zimele Cele (Skills Development)		
3 August 2009 13:00 – 13:30		eThekwini Municipality – Skills Development Programmes			
6 August 2009 13:00 – 13:30					
3-7 August 2009	Gateway Theatre of Shopping, Wavehouse Events Arena	BIOTECHNOLOGY - DNA WORKSHOPS The OM-MTN SC will present a hands-on workshop , which will give insight into Modern Biotechnology, DNA and Genetics - developed in conjunction with Prof Valerie	Akash Dusrath Senzo Shange Denira Varma Kanyiso	Learners from historically disadvantaged backgrounds Gr 8 -12 Educators (Gr 8 -	Tel: 031-5668040 Fax: 031-5663148 E-mail: infosc@gatewayworld.co.za

Date	Venue	Description of activities	Facilitators / Speakers	Target Audience	Enquiries
09:00 – 10:00 11:30 – 12:30 12:30 – 13:30 6 August 2009 09:00 – 10:00 12:30 – 13:30 7 August 2009 09:00 – 10:00 10:00 – 11:00 11:30 – 12:30 12:30 – 13:30		Corfield. DNA fingerprinting and cloning is discussed and DNA extraction is demonstrated, with significant links being made on how this is utilised in a various industries	Bandezi Haresh Nund Fungiwe Zama Andy Mngadi Sandile Hlungwane	12)	OR Candice Rajah educationsc@gatewayworld.co.za
3-7 August 2009 3 August 2009 10:00 – 11:00 4 August 2009 10:00 – 11:00 5 August 2009 09:00 – 10:00 10:00 – 11:00 11:30 – 12:30 12:30 – 13:30	Gateway Theatre of Shopping, Wavehouse Events Arena	ASTRONOMY WORKSHOPS The OM-MTN SC, together with Dr N Govender, will conduct Astronomy workshops. These will include Telescope workshops; Bottle Jet Racer and Astronomy Quiz. This is especially relevant since 2009 is the International Year of Astronomy, and emphasis is being placed on the use of this field in the teaching of maths and science, the related career opportunities and the relevance that this holds for all who encounter it	Akash Dusrath Senzo Shange Denira Varma Kanyiso Bandezi Haresh Nund Fungiwe Zama Andy Mngadi Sandile Hlungwane		Tel: 031-5668040 Fax: 031-5663148 E-mail: infosc@gatewayworld.co.za OR Candice Rajah educationsc@gatewayworld.co.za

Date	Venue	Description of activities	Facilitators / Speakers	Target Audience	Enquiries
5 August 2009 10:00 – 10:30 11:00 – 11:30 11:30 – 12:00 12:00 – 12:30	Gateway Theatre of Shopping, Wavehouse Events Arena	<p>INDIGENOUS TECHNOLOGY: MEDICINAL PLANTS LECTURES</p> <p>The eThekwini Municipality, through a variety of their departments, will present special lectures highlighting their Medicinal Plant Programme, which will expose learners & educators to the huge strides being made in this industry within their region. This shows an environment which promotes & supports cooperation between holders of traditional knowledge and scientists to explore the relationships between different knowledge systems and to foster interlinkages of mutual benefit. It is estimated that 80% of the world's population, mostly from developing countries, depends on traditional medicine for primary health care. Furthermore, while largely unrecognised, it is estimated that 25% of all prescribed</p>	eThekwini Municipality – Basheshile Thusi (Natural Areas); Tobias Mkhize (City Health)	Gr. 8-12 Educators (Gr. 8-12)	Tel: 031-5668040 Fax: 031-5663148 E-mail: infosc@gatewayworld.co.za OR Candice Rajah educationsc@gatewayworld.co.za

Date	Venue	Description of activities	Facilitators / Speakers	Target Audience	Enquiries
		<p>medicines contain some ingredient (s) derived from plants. Indigenous plants provide important economic, social and health opportunities to rural communities, business and national economies. However, if not properly regulated, trade in these plants can lead to over-harvesting of wild species, the erosion of genetic diversity and the degradation or loss of ecosystems.</p>			
<p>3-7 August 2009</p> <p>3 August 2009 09:00 – 09:30</p> <p>4 August 2009 10:30 – 11:00 12:30 – 13:00</p> <p>5 August 2009 09:00 – 09:30</p> <p>6 August 2009 10:30 – 11:00</p> <p>7 August 2009 09:00 – 09:30 12:30 – 13:00</p>	<p>Gateway Theatre of Shopping, Wavehouse Events Arena; Expo Explore promotional court</p>	<p>SCIENCE SHOWS:</p> <p>Interactive and entertaining science experiments that relate science to everyday life. Most experiments are conducted using mainly everyday household items (vinegar, baking powder, water corn flour), showing the audience that science is not abstract, but part of our daily lives. Topics such as air, pressure, energy, electricity, chemical reactions, Newton's Laws and Sound will be covered. Experienced OM-</p>	<p>Various OM-MTN SC Facilitators</p>	<p>Gr 7 - 12</p> <p>Educators (Gr. 7-12)</p> <p>Public</p>	<p>Tel: 031-5668040</p> <p>Fax: 031-5663148</p> <p>E-mail: infosc@gatewayworld.co.za</p> <p>OR</p> <p>Candice Rajah educationsc@gatewayworld.co.za</p>

Date	Venue	Description of activities	Facilitators / Speakers	Target Audience	Enquiries
		MTN SC staff will present these shows			
6 August 2009 10:00 – 11:00 11:30 – 12:30	Gateway Theatre of Shopping, Wavehouse Events Arena	<p>NICLE WORKSHOPS:</p> <p>The awareness campaign will target educators and learners in grades 9-12 in a workshop format. The programme will roll out as follows: Roadshow/awareness programme at science festivals, events and competitions from 2008 and ongoing.</p>	NICLE - Dr Anitha Ramsuran	Gr 9 - 12 Educators (Gr. 9-12)	<p>Tel: 031-5668040 Fax: 031-5663148 E-mail: infosc@gatewayworld.co.za</p> <p>OR</p> <p>Candice Rajah educationsc@gatewayworld.co.za</p>
1-10 August 2009	Gateway Theatre of Shopping, Wavehouse Events Arena; Expo Explore promotional court	<p>PUBLIC ACTIVITIES: WORKSHOPS & SCIENCE SHOWS</p> <p>Interactive and entertaining WORKSHOPS & SCIENCE EXPERIMENTS that relate science to everyday life. Members of the public will also interact with our hands-on exhibits in the Gateway Promo Courts</p>	Various OM-MTN SC Facilitators	PUBLIC	<p>Tel: 031-5668040 Fax: 031-5663148 E-mail: infosc@gatewayworld.co.za</p> <p>OR</p> <p>Candice Rajah educationsc@gatewayworld.co.za</p>

Date	Venue	Description of activities	Facilitators / Speakers	Target Audience	Enquiries
1 August 2009 09:00 – 21:00		DNA Theme – DNA Extraction, Edible DNA, DNA Fingerprinting Role Play; Fool your senses; Science Shows			
2 August 2009 09:00 – 18:00		Chemistry Theme – Acids & Bases Testing; Chemistry Show; Layer upon Layer; Making a Volcano; Science Shows			
8 August 2009 09:00 – 21:00		Space Theme – Sundial; Space Workshop; Rocket Launching; Eclipse workshop; Science Shows			
9 August 2009 09:00 – 18:00		Physics Theme – Physics Show; Spectroscope; Bottle Jet Drag Racer; Static Electricity; Science Shows			
10 August 2009 09:00 – 19:00		General Theme – Edible DNA; Physics Show; Chemistry Show; Rocket Launching; Science Shows			