

NEWS

MAY 2009



SCI-BONO SCIENCE FESTIVAL 18-23 May

Sci-Bono Science Festival is a celebration of science involving science, maths & technology-based activities. The aim is to excite and enthuse young people about the role of science in our daily lives. It features a range of talks, presentations, performances and workshops for both primary and high school learners. The event is scheduled from 18 to 23 May so schools are urged to book as soon as possible in order to avoid disappointment.

Primary School
09h00 - 11h30
Each day

High School
01h00 - 13h30
Each day

The activities we have selected this year are designed both to stimulate thought and discussion and to support the learning of maths, science and technology.

Topics range from evolution to exploring the universe.



Jean-Francois Sobiecki an ethnobotanist will be back again this year with his popular workshops on the Science of Natural Medicine and Traditional Healing

Our exhibition Floor

Of over 250 exhibits will be enhanced with exhibitions showing off latest developments in education, cool experiments that you can conduct at home and fun toys to play with.



Fischertechnik

will be presenting toys as the tools of the future, illustrating mechanics/pneumatics and robotics with fully automated factories/cranes and other cool stuff.

HIGHLIGHTS INCLUDE:

“Show me the Music” a high calibre show that uses song, dance, karaoke, audience participation and some really clever technology to illustrate the relationship between science and music.

Fascinating presentations from industry leaders and top researchers at the CSIR: Denis Milton explores how much fun there is to be had in an Engineering career in South Africa while Winstone Jordaan of the Advanced Energy Foundation will amaze you with the astounding possibilities of careers that a rapidly advancing technological future holds.

“Walking Tall” - An engaging piece of physical theatre by the Paleontological Trust of South Africa walks learners through the story of evolution in a fun, non-threatening performance.

Electrifying Science Shows by our resident eccentric scientist: Griezelle Raphahlelo



Engineers in the making



NEW

Africa Awakes

Sci-Bono will be hosting an exhibition courtesy of the French Embassy entitled Africa Awakes it explores key issues facing Africa including alternative energy; water and sanitation, health and nutrition.



Don't miss out on the Fischer-technik teachers workshop on the 20th May!

TEACHER WORKSHOPS

Teachers are invited to join in a range of stimulating afternoon workshops aimed at inspiring the teaching of electronics, financial literacy and mechanics. To find out more about teachers workshops on offer contact Makgethang Malindi at 011 639 8443 or Makgethang@sci-bono.co.za

Coming soon!

Maths 2000 an intriguing interactive exhibition aimed at creating a mathematician out of everyone!

2009 = YEAR OF ASTRONOMY

2009 is the International Year of Astronomy (IYA) and special workshops and activities include:



- ★ Talks on South Africa's Square Kilometre Array project by the Project Scientist Dr. Adrian Tiplady.
- ★ A hands on maths workshop that teaches how to measure the nearest star.
- ★ Rob Johnstone from Space Observation Learning will be running workshops for all ages - view the sun through a solar telescope. Booking essential. (Please note - there is a cost attached to this workshop.)
- ★ Herr Doktor Professor Hans Wurst invites primary school learners to join him in the dance of the planets an unforgettable way of developing a mental picture of the solar system and how it all fits together.



Sci-Bono Discovery Centre

The Sci-Bono Discovery Centre, South Africa's largest science centre is supported by the Gauteng Department of Education in order to support teaching and learning in mathematics, science and technology and to promote entry into post-school careers in science, engineering and technology. Sci-Bono is registered as a non-profit Section 21 company.

YOUTH IN CONSTRUCTION

Don't forget ...
27-31 July at Sci-Bono:

leading corporations in the construction industry come together to share the excitement and variety of careers available to young people. Come and meet your future employers ... to find out more visit www.youthinconstruction.co.za

Water Week

Learners were challenged to see how if they could meet

RAND WATER's purification standards in a fun hands-on experiment that emulates the rigorous purification process that all our water undergoes en route to the taps in our homes) and learning to be water wise through the song and dance in MANZI's WATER WISE ROAD SHOW.



Testing the water



Water wise high!



Water purification

Visit Sci-Bono!

Cost :
Government Schools : R5 per learner
Private Schools : R10 per learner

To book a tour for your group or school please contact:

Siphokazi Ndzamela at 011 639 8459 / bookings@sci-bono.co.za

Cynthia Sithole at 011 639 8491 / Cynthia.sithole@sci-bono.co.za

Visit our website at www.sci-bono.co.za



All teachers are welcome to visit Sci-Bono free at any time to explore how to use the centre to complement your teaching and discuss any special needs you may have for your visit

Attention all Life Orientation Teachers

Want to find information or funds for your studies? Need help, advice or resources for teaching Life Orientation? The professionally qualified staff at the



at Sci-Bono are ready to help you. Call 011 639 8452/3 and they will be happy to address all your career education and counselling needs.



Hey! Weekday afternoons and weekend visits are also free. Bring the family.



Don't forget to request a spectacular science show to be included with your visit - free of charge!
Make 2 visits and the 3rd is FREE!

Book today!

Please take note...

JHB Philharmonic Orchestra Music Workshop

29th May

Technology, Arts & Culture

Meet the orchestra players, learn about their unique instruments & discover the science Behind music.
Grade 7 - 12

WORKSHOPS

Apprentice Doctor Workshop

Every Thursday
Maths & Science

This hands-on workshop facilitated by Dr. Anton Scheepers enables aspiring doctors to get to grips with the basic principles of the medical examination and to learn about the human body from a Doctor's point of view.
Grade 10-12

May is Matric Month in Newtown

Newtown is the place to be in May if you are a Grade 12 learner preparing for your exams. The Market Theatre, The Dance Factory, Sci-Bono Discovery Centre, Artist Proof Studio, Market Photo Workshop and Museum Africa all have something on offer to enhance and enrich the Grade 12 curriculum.

Although these activities are available and can be booked at different times, during Matric Month, Sci-bono will offer a choice of the following from 2pm - 3pm daily from Monday 11 May.

- ➔ **Tour of the largest science centre in Africa** exploring exhibits designed to inspire curiosity in maths, science and technology.
- ➔ **'Managing my finances'** a curriculum-aligned Financial Literacy workshop to help prepare you for the real world by teaching you about insurance, mortgages, bonds, annuities and sinking funds.
- ➔ **'Building circuits workshop'** In this physics workshop, learn more about Ohm's Laws and electricity, using computer technology to build parallel and series circuits.

Contact Siphokazi or Cynthia on 011 011 639 8491 or 011 639 8459.

And from the BHP Billiton Career Guidance Centre:

- ➔ **A walk down the career path:** interactive presentation exploring tertiary educational options, what courses are offered where and what you need to study to start your career path.
- ➔ **Paying my way:** a practical hands-on workshop that teaches learners how to find out about bursaries, write covering letters and fill out bursary forms. These workshops can cater for groups of up to 60 students.
Contact Ellenor Bosch on 011 639 8452 to make a booking.

... and what's going on in the rest of Newtown

The Sibikwa Art Centre will present **George Orwell's Animal Farm** for English students at the Dance Factory from **11 to 31 May**. This fast-moving musical dramatisation is fresh and immensely enjoyable. Contact Lerato at 011 422 4359, fax 011 421 2346 or e-mail linda@sibikwa.co.za to make a block booking.

The Market Theatre, Drama students can experience **John Kani's Nothing but the Truth** from **11 May to 21 June**. *Nothing But The Truth* explores the destruction of a man's aspirations at the very moment when democracy promises their realisation. To make block bookings, please contact Anthony Ext 121 or Tiny Ext 135 on 011 832 1641

Museum Africa presents a **Tour of Ghandi's Johannesburg and the birth of Satyagraha** (peaceful resistance) to groups of students up to 150. This is followed by a facilitated discussion on the philosophy of Satyagraha. Contact Aubrey or Belinda on 011 833 5624.

Artist Proof Studios (APS) offers a full and creative programme for groups of up to 30. The Paper Prayers Programme workshop focuses on empowering young people with knowledge about HIV/Aids and the importance of voluntary counselling and testing. Another exciting option is the APS printmaking demonstration. Here learners will find out about the various techniques and applications of printmaking. Contact Patience or Maggie on 011 492 1278 to make a booking.

The Market Photo Workshop will take groups of up to 30 students on a guided tour of an exhibition entitled **Amelioration** by Tracey Edser. Tracey's work looks into the lives of recovering addicts and people suffering from various mental illnesses. Contact Tim on 072 6853 328 to make a booking.

Bookings must be made for all these events with the host organisation or venue. Except for Animal Farm and Nothing but the Truth all these events are free of charge.

