**NATIONAL SCIENCE WEEK 2017**



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| **ORGANISATION NAME:**  | **SAIP - South African Institute of Physics** |
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| **DATE OF ACTIVITY** | **DISTRICT WHERE ACTIVITY BEING HELD** | **VENUE WHERE ACTIVITY IS TAKING PLACE** | **ACTIVITIES** **(Provide a short description of the activity)** | **TARGET AUDIENCE** | **TIMESLOT** | **CONTACT PERSON****EMAIL ADDRESS****PHONE NUMBER** | **BOOKING REQUIRED****(YES OR NO)** |
| 04/08/2017 | Eastern Cape – Port Elizabeth | NMMU South Campus | Pre-launch: Rocket simulation/building competition 2 days x 50 learners/ day Prizegiving, Tour of the NMMU physics facilities including the HRTEM facility and Public lecture | General public, scholars and students | 09:00 – 15:00 | Prof André VenterAndre.venter@nmmu.ac.za041 504 2579 | Yes |
| 05/04/2017 | Eastern Cape – Port Elizabeth | NMMU South Campus | Launch:Rocket simulation/building competition 2 days x 50 learners/ day, Prizegiving, Tour of the NMMU physics facilities including the HRTEM facility and Public lecture | General public, scholars and students | 09:00 – 15:00 | Prof André VenterAndre.venter@nmmu.ac.za041 504 2579 | Yes |
| 6 – 12 August | Potchefstroom | NWU | Distribute flyers on “Advancing Space Tourism” | High school learners, students, academics | During the week | Prof. I LoubserIlani.Loubser@nwu.ac.za 018 299 4398 | No |
| 6-12 August  | KZN  | UniZulu Campus  | Distribute flyers on “Advancing Space Tourism” | students, academics | 09:00 – 15:00 | Mr Thulani Jilithulani.jili@gmail.com035 902 6000 | No |
| 07-11 August | KZN  | Kwadlangezwa and schools surrounding areas | Outreach to various schools and distribution of flyer | -Grade 10, 11 and 12 learners-Educators | 09:00 – 15:00 | Mr Thulani Jilithulani.jili@gmail.com035 902 6000 | No |
| 9-10 August  | KZN | UniZulu  | Public talks in mathematical in physics | General public, scholars, academics, researchers and students | 09:00 – 17:00 | Mr Thulani Jilithulani.jili@gmail.com035 902 6000 | No |
| 7– 12 August | Potchefstroom / Klerksdorp region | Northwest | Outreach to various schools and distribution of flyer | High school students | 12:00 – 13:00 | Dr. RD StraussIlani.Loubser@nwu.ac.za 018 299 4398 | No |
| 7 August 2017 | Cape Wine Lands District Municipality | UWC | Distribute flyers on “Advancing Space Tourism” | General public, scholars and students | 09:00 – 15:00 | Dr Mark Herbertmsherbert@uwc.ac.za | No  |
| 7-11 /08/2017 | Tshwane Metropolitan | TUT/ surrounding arears | Distribute flyers on “Advancing Space Tourism” | General public, staff and students | 09:00 – 15:00 | Prof Joseph AsanteAsanteJKO@tut.ac.za 012 382 6280 | No |
| 7 / 08 / 2017 | KrugersdorpDiepsloot | Lodirile Secondary SchoolDiepsloot Secondary School | Interacting with Grade 10, 11 and 12 learners. We will also be interacting with their educators  | * Grade 10, 11 and 12 learners
* Educators
 | 09:00 – 12:0014:00 – 16:30 | moloisj@unisa.ac.za0116709067 | No |
| 07/08/2017 | VHEMBE | Patrick Ramaano Secondary | Motivational talks and Displaying Creative Physics. Use Galileoscopes to teach learners about stars. | Grade 8 -12 | 08H00 -15H00 | Eric.Maluta@univen.ac.za08170950321 | No |
| 07/08/2017 | Tshwane Metropolitan | TUT | Distribute flyers on “Advancing Space Tourism” | General public, staff and students | 09:00 – 15:00 | Prof Joseph AsanteAsanteJKO@tut.ac.za 012 382 6280 | No |
| 08/08/2017 | Mpumalanga | Mzimhlophe Secondary | Present and make a laminated poster of UNIT Conversion for school  | -Grade 10, 11 and 12 learners-Educators | 09:00 – 15:00 | Prof Joseph AsanteAsanteJKO@tut.ac.za 012 382 6280 | No |
| 8 August 2017 | Boston, Western Cape. | DF Malan High school | Local outreach to DF Malan High School:Perform Physics demonstration show to high school learners. The aim is to raise awareness of physics in South Africa and to encourage future science students to consider physics (specifically optics and photonics) as a potential subject. A physics demonstration show (roughly 60 – 90 minutes) will be performed for high school students, with specific emphasis on considering physics as your field of study or as a career. | Grade 10 – 12 high school learners | School hours, between 9:00 and 13:00 | pietern@sun.ac.za021 808 3365 | Yes |
| 8-11 August | Cape Town Metropolitan | UWC | Outreach to schools. Learners from different schools attending University’s Smart program for a day. | Grade 10 – 12 high school learners | 10:00-12:00 | Dr Mark Herbertmsherbert@uwc.ac.za | Yes  |
| 8/ 08 / 2017 | Atteridgeville  | Bokgoni High School  | Interacting with Grade 10, 11 and 12 learners. We will also be interacting with their educators | -Grade 10, 11 and 12 learners- Educators | 10:00 – 13:00 | moloisj@unisa.ac.za0116709067 | No |
| 08/08/2017 | VHEMBE | Thohoyandou Secondary | Motivational talks and Displaying Creative Physics | Grade 8 -12 | 08H00 -15H00 | Eric.Maluta@univen.ac.za08170950321 | No |
| 8 August | Potchefstroom | NWU | Lunch-hour colloquium at local Science Centre | Students | 13:00 – 14:00 | Dr. P KilianIlani.Loubser@nwu.ac.za 018 299 4398 | Yes |
| 08/08/2017 | Capricorn | Schools around Seshego  | Career exhibition and give motivational talks to the learners  | 400 | 08:00-13:00 | mwmaswanganye@gmail.com/manamela.mf@gmail.com078 2132 405 | No |
| 9 August 2017 | Stellenbosch | Physics department, Stellenbosch University | A social evening with food and drinks for undergraduate and postgraduate students to interact and socialize. Aim is to encourage communication and collaboration between students. | Undergraduate and postgraduate students of the physics department. | Afternoon, after work | pietern@sun.ac.za021 808 3365 | No |
| 9 / 08 / 2017 | Florida | UNISA | Physics Research Projects and Laboratory tour | University 3rd year and Honours, MSc and PhD studentLecturer or Researchers  | 09:00 – 15:30 | moloisj@unisa.ac.za0116709067 | Yes |
| 09/08/2017 | VHEMBE | Makhado Crossing (Ltt) | Motivational talks and Displaying Creative Physics. Use Galileoscopes to teach learners about stars. | Grade 8 -12 | 08H00 -15H00 | Eric.Maluta@univen.ac.za08170950321 | No |
| 09/08/2017 | VHEMBE | Mukula VillageMakhado Municipality  | will have astronomy, optics (laser, structured light), and solar power harvesting exhibits. Donate experiments and train teachers how to use them. Star gazing at night | General public, scholars and students | 09:00-16:00 | Prof Andreas FaltenbacherAndreas.Faltenbacher@wits.ac.za011 717 6827 | No |
| 9 August | Eastern Cape – Port Elizabeth | NMMU South Campus | Rocket design and launch: Learners from schools in the metro and nearby rural areas will be invited to attend this enrichment and science marketing exercise. The learners will be introduced to basic theory of rocket design and propulsion and the simulation of the rocket trajectory, considering a specific fuel load and varying burn time. Microsoft Excel will be used to simulate the effect of the fuel mass and burn time on the acceleration of the rocket. The learners (in groups of 5) will then build a rocket, which will be launched in the afternoon. | Scholars | 09:00 – 15:00 | Prof André VenterAndre.venter@nmmu.ac.za041 504 2579 | Yes |
| 10 August 2017 | Winelands region, Western Cape. | At the school. | Outreach to local Winelands school in the area:Perform Physics demonstration show to high school learners. The aim is to raise awareness of physics in South Africa and to encourage future science students to consider physics (specifically optics and photonics) as a potential subject. A physics demonstration show (roughly 60 – 90 minutes) will be performed for high school students, with specific emphasis on considering physics as your field of study or as a career. | Grade 10 – 12 high school learners | School hours, between 9:00 and 13:00 | pietern@sun.ac.za021 808 3365 | Yes |
| 10 August | Eastern Cape – Port Elizabeth | NMMU South Campus | Public Lecture: Prof Jan NeethlingWhat is the hydrogen economy?How to produce clean energy, water and hydrogen by combining advanced nuclear and renewable energy technologies. Role of nanotechnology and nanoscience in realising this dream.Science and technology education and skills required to make this happen in South Africa | Public and Scholars | 19:00 – 21:00 | Prof André VenterAndre.venter@nmmu.ac.za 041 504 2579 | Yes |
| 10/08/2017 | Tshwane Metropolitan | TUT | Distribute flyers on “Advancing Space Tourism”. Give a lecture with title: Mathematics in Physics | General public, staff and students | 09:00 – 15:00 | Prof Joseph AsanteAsanteJKO@tut.ac.za 012 382 6280 | No |
| 10/08/2017 | Florida | Unisa | Science and Engineering Research Projects and Laboratory tour | Grade 10, 11 and 12 learners.  | 09:00 – 15:30 | moloisj@unisa.ac.za0116709067 | Yes |
| 10/08/2017 | VHEMBE | LwamondoSecondary | Motivational talks and Displaying Creative Physics. Use Galileoscopes to teach learners about stars. | Grade 8 -12 | 08H00 -15H00 | Eric.Maluta@univen.ac.za08170950321 | No |
| 10/08/2017 | Capricorn | Schools around Mankweng | Career exhibition and give motivational talks to the learners | 300 | 08:00-12:00 | mwmaswanganye@gmail.com/manamela.mf@gmail.com078 2132 405 | No |
| 10/08/2017 | VHEMBE | Mukula VillageMakhado Municipality  | will have astronomy, optics (laser, structured light), and solar power harvesting exhibits. Donate experiments and train teachers how to use them. Star gazing at night | General public, scholars and students | 09:00-16:00 | Prof Andreas FaltenbacherAndreas.Faltenbacher@wits.ac.za011 717 6827 | No |
| 11/08/2017 | Capricorn | University of Limpopo | Give motivational talks to the students and encourage them to continue to peruse their studies in the field of science. | 300 | 12:00-16:00 | mwmaswanganye@gmail.com/manamela.mf@gmail.com078 2132 405 | No |
| 11/08/2017 | VHEMBE | VSRC | Motivational talks and Displaying Creative Physics | Grade 8 -12 | 08H00 -5H00 | Eric.Maluta@univen.ac.za08170950321 | No |
| 11/08/2017 | VHEMBE | Ha-MulimaMakhado Municipality  | will have astronomy, optics (laser, structured light), and solar power harvesting exhibits. Donate experiments and train teachers how to use them. Star gazing at night | General public, scholars and students | 09:00-16:00 | Prof Andreas FaltenbacherAndreas.Faltenbacher@wits.ac.za011 717 6827 | No |
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