**Faculty of Science**

**National Science Week 2019 Programme**

*Facing the harsh realities of climate change*

***From Cala to Thembalethu***

*Celebrating the International year of the Periodic Table of Chemical Elements (IYPT2019)*

*and the International Year of the Indigenous Languages (IYIL2019).*

**Pre-NSW2019 Programme**

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| **DATE** | **FACILITATOR** | **ACTIVITY** | **TIME** | **VENUE** |
| **18 July, Thursday** | Faculty of Science | Symposium – Facing the harsh realities of climate change | 11:00- 15:30 | Science Auditorium |
| Chemistry Department | Demonstrations and naming exercise | 12:00-14:00 | Raymond Mhlaba Centre |
| Physics Department | Rocket Building | 14:00-17:00 | Physics Lab, South Campus |
| Computing Science Department | Boats Tournament Mandela Day | 14:00-17:00 | Father’s House Church, Patterson Road, North End |
| **18 July- 26 July** | School of Natural Resource Management | Screening of Netflix series | 17:00 | George Campus |
| **19 July, Friday** | CHRTEM | CHRTEM Tour | 09:00 | CHRTEM Building |
| InnoVenton | Touring InnoVenton – Chemical Technology Station | 14:00 –16:00 | InnoVenton Campus |
| Chemistry Department | Chemistry demonstration and element naming event | 10:30-12:30 | Motherwell |
| **20 July, Saturday** | Scisa | Engagements on Climate Change and Science Exhibition | 08:30-1400 | Building 127, Ground Floor, Room 17 & 18 |
| **22 July, Monday** | Chemistry Department | Laboratory visits for learners | 14:00 –16:00 | South Campus: Building 13 |
| **23 July, Tuesday** | Botany Department | People’s Plants Introduction to Ethnobotany | 15:00-16:30 | South Campus: Building 12, Room 120109 |
| **24 July, Wednesday** | Faculty of Science and iThemba Labs | International Masterclass: Hands-on Particle Physics | 08:45-16:30 | South Campus: Building 13, Ground Floor, 1st year Laboratory (Faraday) |
| Faculty of Science | Women in Science: Ladies Lunch & Motivational Speech for female school learners | 12:00-14:00 | South Campus, Room 17,Sceince Faculty Auditorium |
| Faculty of Science | Wolfram Multi-Paradigm Data Science Seminar by Clemens Dempers | TBC | TBC |
| **25 July, Thursday** | Faculty of Science and iThemba Labs | International Masterclass: Hands-on Particle Physics | 08:45-16:30 | South Campus: Building 13, Ground Floor, 1st year Laboratory (Faraday) |
| Physiology Department | Journey Through the Human Body | 11:00- 13:00 | South Campus, Physiology Lab |
| **26 July, Friday** | Statistics Department | Public Lecture: Roles of Statistics and Analytics in the Industry | 13:00 | TBC |
| Faculty of Science and CERN | CERN Virtual Tour and Seminar with Dr C Lee and Prof Z Buthelezi | 12:00 -16:30 | Auditorium, Second Ave, Business School |
| Faculty of Science | Public lecture: Prof Muronga | 17:00 | Bay World |
| Rhodes University | Nelson Mandela University Science Dialogue | 16:00 | South Campus: Building 127\_0002 |

**The Launch of NSW2019 by Minister of DHEST**

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| **27 July, Saturday** | DHEST | Launch and science festival | Mittah Seperepere Convention Centre, Kimberley, Northern Cape. |

**NSW2019 Focus Week Programme**

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| **28 July, Sunday** | Depart from Port Elizabeth to Cala, Arrival in Cala and Set-up | 06:00-16:00 | |
| **29 July,** **Monday** | Arrival of exhibitors and set-up | 06:00-07:00 | |
| Arrival and Registration of learners, educators and general public | 07:00-08:00 | |
| Official Opening of Cala – NSW2019 by Honourable Mayor by B Ntsere | 08:00– 08:30 | |
| Chemistry Show | 08:30– 09:00 | |
|  | Student Counselling- Career Guidance | 09:00-09:30 | |
| **Science festival starts:** | | | |
| **29 July, Monday** | Chemistry Interactive Demonstrations | | 09:30-16:00 |
| Public Lecture – The Fourth Industrial Revolution and The 4th Age- by Prof Muronga | |
| Department of Health Presentations- “ Drug Abuse” | |
| Govan Mbeki Maths Development Centre Interactive Display Stall | |
| Marine Engineering | |
| Physics rocket building/Launch | |
| CCT- Centre for Community Technologies Stall | |
| School of Built Environment Stall | |
| Department of Environmental Affairs stall | |
| Department of Health Mobile clinic | |
| EL Aquarium | |
| DST/SASSTA | |
| iThemba Labs | |
|  | Role Modelling Motivational Talks by science students to school learners | |  |
| Sci-Sa student engagement and presentations | | 10:00-10:30  11:00-11:30  12:00-12:30 |
|  | Nelson Mandela University Marketing Learner Brief | | 09:30 l 10:20 l 10:45  11:05 l 11:25 l 11:50  12:10 l 12:30 l 14:00-16:00 |
|  | Student Counselling- career guidance | | 10:00 |11:00|12:00|14:00  15:00 |
|  | Admissions- Student recruitment and career guidance | | Open Event |
| **30 July, Tuesday** | Arrival of exhibitors and set-up | | 06:00-07:00 |
| Arrival and registration of learners, educators and general public | | 07:00-08:30 |
| Welcoming by Principal and Key note speaker (TBC) | | 08:30 – 09:00 |
| Chemistry Show | | 09:00– 09:30 |
| **Science festival starts** | | | |
| **30 July, Tuesday** | Chemistry Interactive Demonstrations | | 09:30-16:00 |
| Govan Mbeki Maths Development Centre Interactive Display Stall | |
| Physics Rocket Building/ Launch | |
| Public Lecture – The Fourth Industrial Revolution and The 4th Age- by Prof Muronga | |
| Talk- Archaeology and Botany- by Prof Ntseba | |
| Department of Health Presentations- “Drug Abuse" | |
| Department of Environmental Affairs | |
| CCT- Centre of Community technologies Stall | |
| School of Built Environment | |
| Department of Health | |
| DST/SASSTA | |
| Role Modelling Motivational Talks by science students to school learners | |
| IThemba Labs | |
| Marine Engineering | |
| Sci-SA student engagement on climate change and science exhibition | | 10:00-10:30  11:00-11:30  12:00-12:30 |
| Nelson Mandela University Marketing Learner Brief | | 09:30 l 10:20 l 10:45  11:05 l 11:25 l 11:50  12:10 l 12:30 l 14:00-16:00 |
| Computing Coding Tanks Workshop | | 09:15 – 09:45  10:00 – 11:45  11:45 – 12:15 |
|  | Admissions- Student recruitment and career guidance | | Open Event |
| **29 July, George Campus** | School Natural Resource Management – INAT sessions by Tony Rebello | | 10:00|13:00|15:00|  16:00 |
| **30 July, George Campus** | INAT sessions- Dr Tony Rebello- Computer Lab | | 09:00-10:30| 14:30-16:30 |
| **31 July, George Campus** | INAT workshop- Dr Tony Rebello- Computer Lab | | 09:00-13:00 |

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| **31 July, Wednesday** | Depart from Cala to Port Elizabeth | | | 08:00-16:00 |
| **1st August, Thursday** | Depart from Port Elizabeth to George, Thembalethu townships and set-up | | | 06:00-10:00 |
| **1st August , Thursday** | Faculty of Science | Public Lecture by Prof Muronga | 10:00 & 14:00 | Inkcubeko Youth Centre, Thembalethu |
| Chemistry Department  (PE) | Public Lecture by Dr M. Weight- The creation of the elements of the Periodic Table in stars | 13:00-14:00 | Science Auditorium, Building 127, South Campus |
| **1st - 2nd August** | Computing science Department | Computing coding tanks Workshop | 10:00  11:00  12:00  14:00-15:00  10:00  11:00  12:00  14:00  15:00 | Classrooms, George campus |
| **1st - 2nd**  **August** | Faculty of Science | Science Festival |  | TBC |
| **2nd August, Friday** | Faculty of Science | Engagement with science expo and leaners | 16:00 | George Civic centre |
| **2nd August, Friday** | Faculty of Science | Public Lecture by Prof Muronga | 10:00-11:30 | Inkcubeko Youth Centre, Thembalethu |

For more information, please contact:

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