**NATIONAL SCIENCE WEEK 2017**

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| **ORGANISATION NAME:**  | **> African Institute for Mathematical Sciences** |
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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)** |
| 7-10 August | City of Cape Town Metropolitan Municipality | Oliver Tambo Community Hall, Khayelitsha, Cape Town | **School programme**Practical hands-on activities, science shows, career guidance, role modelling talks and exhibits**STEM hands-on activities:*** Engineering of Transportation
* Basket Weaving and Geometric Patterns
* Lantern Making and Platonic Polyhedra Models
* Pottery and Volume
* Surface area of cubes
* World Map Puzzle
* Mathematics games (e.g. 21 cards, rubiks cube, etc.) and Maths quiz
* Electromagnetism
* Programming in Scratch

**Talks*** Applications of Mathematics (in other fields)
* Water Conservation
* Career guidance and role modelling
* Mathematics and Music

**AIMS Research Centre exhibition*** IMAGINARY Exhibition
* Mathematics behind Agriculture
* Mathematics behind Robotics
* Mathematics behind SKA
* Mathematics behind Movies
* Mathematics behind ESKOM load shedding
* Mathematics  and Epidemics
* Data Science
* Mathematics behind Network Science

**Local STEM organisations and higher education institutions will showcase their exciting work, conduct interactive demonstrations for learners, university students and members of the public.****For more information visit**<https://sites.google.com/aims.ac.za/nsw2017> | Grade 7-12 learners and educators | 8:30 – 15:3014:45 – 16:30 (PUBLIC) | Dr Mpfareleni Rejoyce Gavhi-Molefensw@aims.ac.za021 787 9349 | Booking essential for schools |
| 8 August | City of Cape Town Metropolitan Municipality | African Institute for Mathematical Sciences, Muizenberg | Public Talk | Public | 19:00-20:00 | Dr Mpfareleni Rejoyce Gavhi-Molefensw@aims.ac.za021 787 9349 | No |
| 9 August | City of Cape Town Metropolitan Municipality | Oliver Tambo Community Hall, Khayelitsha, Cape Town | Women in science, technology, engineering, and math (STEM) fields | Learners and public | TBC | Dr Mpfareleni Rejoyce Gavhi-Molefensw@aims.ac.za021 787 9349 | No |