

**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 – 15:30  14:45 – 16:30 (PUBLIC) | Dr Mpfareleni Rejoyce Gavhi-Molefe  [nsw@aims.ac.za](mailto:nsw@aims.ac.za)  021 787 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-Molefe  [nsw@aims.ac.za](mailto:nsw@aims.ac.za)  021 787 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-Molefe  [nsw@aims.ac.za](mailto:nsw@aims.ac.za)  021 787 9349 | No |