**NATIONAL SCIENCE WEEK 2017**



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| **ORGANISATION NAME:** | | | | * **SANSA Earth Observation** | | | | | |
| **CONNECT WITH US ONLINE** | | | **Twitter:** | | * **@SANSA7** | | | | |
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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)** |
| 07/08/2017 | Thabo Mofutsanyana, Free State | QwaQwa  (2 schools) | * Activity 1: Showcase the power of space application of Earth Observation to demonstrate changes that take place at a given location over time. The tool of Google Earth, which is freely available to anyone with internet access, will be used to showcase this change detection over time using examples of local areas visited, complemented by the SANSA satellite imagery archive data. This activity can be adapted for various target audiences. * Activity 2: Use Google Earth Pro, available for free to any user, to conduct a virtual tour of South Africa’s space industry players distribution across the 9 provinces, from satellite manufacturers, Assembly, Integration and Testing (AIT) facilities, various users of space technology applications, examples of societal benefit areas relevant to the 4 districts chosen will be given. This activity is also adaptable to any target audience. * Activity 3: The Mathematics of outer space showcased for learners in the school system from remote sensing, space operations, and GIS linked to the Mathematics curriculum. | | | Grade 10 - 12 Learners | 09:00–11:00  12:00–14:00 | Mr. Johnny Rizos  [jrizos@sansa.org.za](mailto:jrizos@sansa.org.za)  072 568 0722 | NO |
| 08/08/2017 | Thabo Mofutsanyana, Free State | QwaQwa  (2 schools) | * Activity 1: Showcase the power of space application of Earth Observation to demonstrate changes that take place at a given location over time. The tool of Google Earth, which is freely available to anyone with internet access, will be used to showcase this change detection over time using examples of local areas visited, complemented by the SANSA satellite imagery archive data. This activity can be adapted for various target audiences. * Activity 2: Use Google Earth Pro, available for free to any user, to conduct a virtual tour of South Africa’s space industry players distribution across the 9 provinces, from satellite manufacturers, Assembly, Integration and Testing (AIT) facilities, various users of space technology applications, examples of societal benefit areas relevant to the 4 districts chosen will be given. This activity is also adaptable to any target audience. * Activity 3: The Mathematics of outer space showcased for learners in the school system from remote sensing, space operations, and GIS linked to the Mathematics curriculum. | | | Grade 10 - 12 Learners | 09:00–11:00  12:00–14:00 | Mr. Johnny Rizos  [jrizos@sansa.org.za](mailto:jrizos@sansa.org.za)  072 568 0722 | NO |
| 09/08/2017 | Thabo Mofutsanyana, Free State | QwaQwa   1. Shopping Mall 2. University of the Free State | * Activity 1: Showcase the power of space application of Earth Observation to demonstrate changes that take place at a given location over time. The tool of Google Earth, which is freely available to anyone with internet access, will be used to showcase this change detection over time using examples of local areas visited, complemented by the SANSA satellite imagery archive data. This activity can be adapted for various target audiences. * Activity 2: Use Google Earth Pro, available for free to any user, to conduct a virtual tour of South Africa’s space industry players distribution across the 9 provinces, from satellite manufacturers, Assembly, Integration and Testing (AIT) facilities, various users of space technology applications, examples of societal benefit areas relevant to the 4 districts chosen will be given. This activity is also adaptable to any target audience. * Activity 3: The Mathematics of outer space showcased for learners in the school system from remote sensing, space operations, and GIS linked to the Mathematics curriculum. | | | Public | 09:00–12:00  13:00–16:00 | Mr. Johnny Rizos  [jrizos@sansa.org.za](mailto:jrizos@sansa.org.za)  072 568 0722 | NO |
| 10/08/2017 | Thabo Mofutsanyana, Free State | Harrismith  (2 schools) | * Activity 1: Showcase the power of space application of Earth Observation to demonstrate changes that take place at a given location over time. The tool of Google Earth, which is freely available to anyone with internet access, will be used to showcase this change detection over time using examples of local areas visited, complemented by the SANSA satellite imagery archive data. This activity can be adapted for various target audiences. * Activity 2: Use Google Earth Pro, available for free to any user, to conduct a virtual tour of South Africa’s space industry players distribution across the 9 provinces, from satellite manufacturers, Assembly, Integration and Testing (AIT) facilities, various users of space technology applications, examples of societal benefit areas relevant to the 4 districts chosen will be given. This activity is also adaptable to any target audience. * Activity 3: The Mathematics of outer space showcased for learners in the school system from remote sensing, space operations, and GIS linked to the Mathematics curriculum. | | | Grade 10 - 12 Learners | 09:00–11:00  12:00–14:00 | Mr. Johnny Rizos  [jrizos@sansa.org.za](mailto:jrizos@sansa.org.za)  072 568 0722 | NO |
| 11/08/2017 | Thabo Mofutsanyana, Free State | Harrismith  1. FET College  2. Shopping Mall | * Activity 1: Showcase the power of space application of Earth Observation to demonstrate changes that take place at a given location over time. The tool of Google Earth, which is freely available to anyone with internet access, will be used to showcase this change detection over time using examples of local areas visited, complemented by the SANSA satellite imagery archive data. This activity can be adapted for various target audiences. * Activity 2: Use Google Earth Pro, available for free to any user, to conduct a virtual tour of South Africa’s space industry players distribution across the 9 provinces, from satellite manufacturers, Assembly, Integration and Testing (AIT) facilities, various users of space technology applications, examples of societal benefit areas relevant to the 4 districts chosen will be given. This activity is also adaptable to any target audience. * Activity 3: The Mathematics of outer space showcased for learners in the school system from remote sensing, space operations, and GIS linked to the Mathematics curriculum. | | | Public | 09:00–12:00  13:00–16:00 | Mr. Johnny Rizos  [jrizos@sansa.org.za](mailto:jrizos@sansa.org.za)  072 568 0722 | NO |