



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

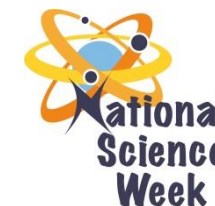


SAASTA
South African Agency for Science
and Technology Advancement

NATIONAL SCIENCE WEEK

Deepening our Democracy through Science

28 July – 4 August 2018



Organisation:	North-West University	Project Leader:	Lerato Molebatsi	Province/s:	NW
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National Science Week events and activities:

DATE & TIME	VENUE & LOCATION	ACTIVITY	AUDIENCE	CONTACT DETAILS	BOOKINGS REQUIRED?
30 th July 2018 17h00	NWU, Mahikeng Lecture hall	<p>Public lecture Topics: The universe through different coloured lenses</p> <p>The talk will explain how to learn the universe using different types of telescopes such as radio telescope, optical telescope and gama ray telescope.</p>	General Public, students	018-3892606	Yes Please call Lerato on this number 018- 3892606

<p>30th - 31st July 2018 9h30 – 13h30</p> <p>1st August 2018 9h30 – 10h30</p> <p>2nd August 2018 9h30 – 10h30</p> <p>3rd August 2018 9h30 – 10h30</p>	<p>Outreach to selected schools in Mahikeng</p> <p>Greater Taung</p> <p>Vryburg</p> <p>Ganyesa</p>	<p>Topic: “Make the right choice”</p> <p>Choosing a career is one of the most important milestones in an individual’s life. The decisions you make will have a significant impact on the rest of your personal and professional life. The talk will educate the learners about different careers in Science, Technology, Engineering and Maths (STEM) and admission requirements at NWU. The talk will assist learners to make informed decisions about their future careers.</p> <p>Nelson Mandela: “Education is the most powerful weapon which you can use to change the world”</p>	<p>Grade 9 -11 learners</p>	<p>018-3892606</p>	<p>Yes</p> <p>Please call Lerato on this number 018-3892606</p>
<p>30th - 31st July 2018 9h30-13h30</p> <p>1st August 2018 10h30-11h00</p> <p>2nd August 2018 10h30-11h00</p> <p>3rd August 2018 10h30-11h00</p>	<p>Outreach to selected schools in Mahikeng</p> <p>Greater Taung</p> <p>Vryburg</p> <p>Ganyesa</p>	<p>Topic: Size matters</p> <p>It is known that nano deals with matter on a very small scale, larger than atoms but smaller than a breadcrumb. Nanoscience and nanotechnology are the study and application of extremely small things and can be used across all the other science fields, such as chemistry, biology, physics, materials science, and engineering. “There is no one size fits all, size matters.”</p>	<p>Grade 9 -11 learners</p>	<p>018-3892606</p>	<p>Yes</p> <p>Please call Lerato on this number 018-3892606</p>

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<p>30th - 31st July 2018 9h30-13h30</p> <p>1st August 2018 11h00-12h00</p> <p>2nd August 2018 11h00-12h00</p> <p>3rd August 2018 11h00-12h00</p>	<p>Outreach to selected schools in Mahikeng</p> <p>Greater Taung</p> <p>Vryburg</p> <p>Ganyesa</p>	<p>Topic: Mandela’s centenary</p> <p>The talk will focus on Nelson Mandela’s contribution to South Africa, linking it to the development of science and technology, which uplifted many lives of South Africans.</p>	<p>Grade 9 -11 learners</p>	<p>018-3892606</p>	<p>Yes</p> <p>Please call Lerato on this number 018-3892606</p>
<p>31st July 2018</p> <p>18h00</p>	<p>NWU, Mahikeng Observatory</p>	<p>Topic: Sky viewing</p> <p>Attendees will have a guided tour at Mahikeng Observatory, they will have an opportunity to observe different planets through the telescope. After the tour, they will be able describe types of planets that they have observed through the telescope.</p>	<p>General public, students</p>	<p>018-3892606</p>	<p>Yes</p> <p>Please call Lerato on this number 018-3892606</p>
<p>30th - 31st July 2018 9h30-13h30</p> <p>1st August 2018 11h00-12h00</p> <p>2nd August 2018</p>	<p>Outreach to selected schools in Mahikeng</p> <p>Greater Taung</p>	<p>Topic: “Lets break the stigma round albinism”</p> <p>People with albinism are often discriminated by communities and their own families. Albinism is an inherited condition where a person is unable to produce normal colouring of the skin, hair and eyes (lack of pigments) the condition can be limited to the eye or involve the eye and the</p>	<p>Grade 9 -11 learners</p>	<p>018-3892606</p>	<p>Yes</p> <p>Please call Lerato on this number 018-3892606</p>

11h00-12h00 3 rd August 2018 11h00-12h00	Vryburg Ganyesa	skin. The talk will teach people about albinism and not to use people with albinism for muti. Nelson Mandela: “My respect for human beings is based not on the colour of a man’s skin nor authority he may wield, but purely on merit”.			
30 th - 31 st July 2018 9h30-13h30 1 st August 2018 11h00-12h00 2 nd August 2018 11h00-12h00 3 rd August 2018 11h00-12h00	Outreach to selected schools in Mahikeng Greater Taung Vryburg Ganyesa	Topic: Artificial intelligence Can robots replace humans? AI (Artificial Intelligence) is the simulation of human intelligence processes by machines, especially computer systems. These processes include learning, reasoning and self-correction. Particular applications of AI include expert systems, speech recognition and machine vision. Are robots more efficient than human beings? The talk will explain more about AI, focusing on two questions mentioned above.	Grade 9 -11 learners	018-3892606	Yes Please call Lerato on this number 018-3892606