



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

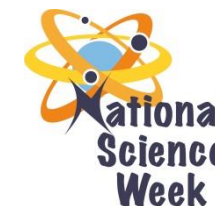


SAASTA
South African Agency for Science
and Technology Advancement

NATIONAL SCIENCE WEEK

Deepening our Democracy through Science

28 July – 4 August 2018



Organisation:	SAEON ndlovu node	Project Leader:	Joe Sibiya	Province/s:	Limpopo
Connect with us	Website:	www.saeon.ac.za			
	Facebook:				
	Twitter:	@Saeonews			
	Phone:	0828025587			
	Email:	joe@saeon.ac.za			

National Science Week events and activities:

DATE & TIME	VENUE & LOCATION	ACTIVITY	AUDIENCE	CONTACT DETAILS	BOOKINGS REQUIRED?
30 July 2018	Majeje High school Lulekani Township	<u>Workshop on Careers</u> Learners will be workshopped on careers in science that are linked to the environment apart from main stream careers. We anticipate that will spark some interest to other learners about pursuing careers in science. Learners will be introduced to the techniques of determining the size of a tree (height, radius and size of a stem)	Grade 9	Joe Sibiya 082 802 5587 joe@saeon.ac.za	No bookings required. These are schools targeted groups.
31 July 2018	Nkateko High school, Lulekani village	<u>Aquatic Ecosystems</u> Hands-on activities with grade 10 learners, to introduce them to the biodiversity within freshwater ecosystems found in their local rivers. Presentations and discussion on the impact of pollution on freshwater systems and the consequences for			

<p>01 August 2018</p> <p>(07:30-09H35)</p>	<p>Lepato High school, Makhushane village</p> <p>Phalaborwa, Mopani</p>	<p>society, as well as the role that science can play in mitigating such impacts.</p> <p>Leaners will be introduced to SASS as a measure of biodiversity index, where they will introduced to the theory of the tool as well as the practical component of it. They will then calculate the species composition, count, diversity as well correlations with water quality variables they would have measured in the laboratory to get an overall species community structure of a river.</p>	<p>Grade 10</p>	<p>Joe Sibiya 082 802 5587 joe@saeon.ac.za</p>	<p>No bookings required. These are schools targeted groups</p>
<p>02 August 2018</p> <p>03 August 2018</p>	<p>Majeje High School, Nkateko High school,</p> <p>Lepato High School</p> <p>(SAEON laboratory, Kruger National Park, Phalaborwa Gate) Phalaborwa, Mopani</p>	<p><u>Laboratory activities</u></p> <p>Leaners will be introduced to Microscopy, Laboratory environment and shown various instruments that are used to analyse water. Demonstrations of the use of water quality testing equipment (handheld pH and conductivity meters). Learners will be introduced the concept of Chemical analysis and why we measure various chemical elements in water. This will be carried out through an exercise where we make reagents/standards in preparation for the Trace metals analysis. We will then get the students to weigh and calculating how much calibrations standard solution we need for what measurement range.</p>	<p>Grade 10</p>	<p>Joe Sibiya 082 802 5587 joe@saeon.ac.za</p>	<p>Targeted school group only</p>
<p>01 August 2018</p>	<p>Phalaubeni village, Giyani, Mopani District</p>	<p><u>Rural Rangelands and Science Workshops</u></p> <p>Raising public awareness of the value of the science of ecology, and indigenous knowledge, for improving the value of communal rangelands to rural societies. Two key user groups of communal rangelands (livestock owners and traditional healers) will participate in one-day workshop, with the ultimate aim of incorporating both scientific and indigenous knowledge into the future management of these natural assets. Local ecologists will provide information on how developments in our understanding of savanna ecosystems, as well as the management of communal resources, can benefit rural societies.</p>	<p>General public (Livestock owners and traditional healers)</p>	<p>Tony swimmer tony@saeon.ac.za</p>	<p>No bookings. per invite only</p>

