



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

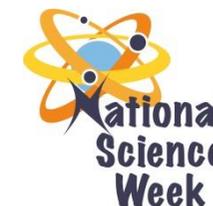


SAASTA
South African Agency for Science
and Technology Advancement

NATIONAL SCIENCE WEEK

Deepening our Democracy through Science

28 July – 4 August 2018



Organisation:	LIASTEC		Project Leader:	Lance Letsoalo	Province/s:	Limpopo
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National Science Week events and activities:

DATE & TIME	VENUE & LOCATION	ACTIVITY	AUDIENCE	CONTACT DETAILS	BOOKINGS REQUIRED?
30 Jul 2018 08am – 10am	Mantlhakane Higher Primary School Bakenburg Village Mogalakwena municipality	<u>Science fun experiment and activities</u> <u>Performing fun experiments with learners' hands-on participation.</u> These experiences promote an appreciation for, and interest in, the pursuit of STEM in school and in daily life. They help learners understand the daily relevance of science to their lives, the depth and breadth of science as a field of inquiry, and what it might be like to choose to do science in the world, either as a professional or a citizen scientist. This activities will bring practical concept of how	Grade 5-7 learners at Mantlhakane Higher Primary School. <i>(this is not a public event)</i>	Moshitwana Letsoalo 081 476 8319 Serupu Mongale 076 832 1314	No. This event is invite-only

		<p>almost everything in the phase of this planet is made possible by science. They will also stimulate the brains of the learners by being hands-on, solving problems or making sense of what causes the desired results of experiments to be. Through this activities, leaners will also realise that our lives revolves around technology and also encourage learners to think out of the box and be innovative.</p> <p><u>List of some of the fun experiments to be performed:</u></p> <ul style="list-style-type: none"> • Create own volcano • Mentos and coke fountain • Build a fizz inflator • Vegetable battery • Create own CO₂ and use it to blow-up balloons • Density experiment you can drink • Roll a can with static electricity • Rapid colour changing chemistry 			
30 Jul 2018 11am – 14pm	<p>Dennis Matlhaba II Secondary School</p> <p>Bakenburg Village Mogalakwena local municipality</p>	<p><u>Presentations and learner engagement on the following topics:</u></p> <ul style="list-style-type: none"> • <u>Presentation 1:</u> Importance/Role of Science, Technology and Innovation in our everyday lives and how STEMI can assist us in achieving a better South Africa. • <u>Presentation 2:</u> Promoting STEMI education and Career Guidance. Showcasing examples of latest successful innovations in South Africa and how the lives of the innovators 	<p>Grade 10-12 Maths and Science stream learners at Dennis Matlhaba II Secondary School and surrounding High/Secondary schools.</p> <p><i>(this is not a public event)</i></p>	<p>Moshitwana Letsoalo 081 476 8319</p> <p>Serupu Mongale 076 832 1314</p>	<p>No.</p> <p>This event is invite-only</p>

		<p>where changed for better through those innovation.</p> <ul style="list-style-type: none"> • <u>Presentation 3: Mining Industry in South Africa.</u> Explain the overview of mining industry in South Africa, including the science involved in mining, scarce skills in the industry, economic and environmental impact. • <u>Presentation 4: Veterinary Science</u> Overview of the veterinary field of study. Explain different types of available branches in the veterinary field and each of their roles to the society. Hands on activities with bacteria growing, cell cultures and others. 			
30 Jul 2018 15pm – 17pm	<p>Mokopane FM</p> <p>Mokopane Mogalakwena local municipality</p>	<p><u>Radio interview</u> Topics to discuss:</p> <ul style="list-style-type: none"> • What is NSW • Role of DST • Role players in the NSW • NSW2018 theme • LIASSTEC weekly events in the province • Public engagement 	All members of public	<p>Moshitwana Letsoalo 081 476 8319</p> <p>Serupu Mongale 076 832 1314</p>	<p>No</p> <p>Everyone can participate telephonically at the radio station.</p>
31 Jul 2018 08am - 10am	Mahlasedi Primary School	<p><u>Science fun experiment and activities</u> <u>Performing fun experiments with learners' hands-on participation.</u></p>	Grade 5-7 learners at Mahlasedi Primary School	Moshitwana	No.

	Vaalwater Modimolle-Mookgopong local municipality	<p>These experiences promote an appreciation for, and interest in, the pursuit of STEM in school and in daily life. They help learners understand the daily relevance of science to their lives, the depth and breadth of science as a field of inquiry, and what it might be like to choose to do science in the world, either as a professional or a citizen scientist.</p> <p>This activities will bring practical concept of how almost everything in the phase of this planet is made possible by science. They will also stimulate the brains of the learners by being hands-on, solving problems or making sense of what causes the desired results of experiments to be. Through this activities, leaners will also realise that our lives revolves around technology and also encourage learners to think out of the box and be innovative.</p> <p><u>List of some of the fun experiments to be performed:</u></p> <ul style="list-style-type: none"> • Create own volcano • Mentos and coke fountain • Build a fizz inflator • Vegetable battery • Create own CO₂ and use it to blow-up balloons • Density experiment you can drink • Roll a can with static electricity • Rapid colour changing chemistry 	<i>(this is not a public event)</i>	<p>Letsoalo 081 476 8319</p> <p>Serupu Mongale 076 832 1314</p>	This event is invite-only
31 Jul 2018 11am – 14pm	Meetsetshehla Secondary School Vaalwater	<p><u>Presentations and learner engagement on the following topics:</u></p> <ul style="list-style-type: none"> • Presentation 1: Importance/Role of Science, Technology and Innovation in 	Grade 10-12 Maths and Science stream learners at Meetsetshehla Secondary School.	<p>Moshitwana Letsoalo 081 476 8319</p>	<p>No.</p> <p>This event is invite-only</p>

	Modimolle-Mookgopong local municipality	<p>our everyday lives and how STEMI can assist us in achieving a better South Africa.</p> <ul style="list-style-type: none"> • Presentation 2: Promoting STEM education and Career Guidance. Showcasing examples of latest successful innovations in South Africa and how the lives of the innovators where changed for better through those innovation. • Presentation 3: Mining Industry in South Africa. Explain the overview of mining industry in South Africa, including the science involved in mining, scares skills in the industry, economic and environmental impact. • Presentation 4: Veterinary Science Overview of the veterinary field of study. Explain different types of available branches in the veterinary field and each of their roles to the society. Hands on activities with bacteria growing, cell cultures and others. 	<i>(this is not a public event)</i>	Serupu Mongale 076 832 1314	
01 Aug 2018 08am - 10am	Hector Peterson Primary School Phagameng township Modimolle-Mookgopong local municipality	<p>Science fun experiment and activities <u>Performing fun experiments with learners' hands-on participation.</u> These experiences promote an appreciation for, and interest in, the pursuit of STEM in school and in daily life. They help learners understand</p>	Grade 5-7 learners at Hector Peterson Primary School <i>(this is not a public event)</i>	Moshitwana Letsoalo 081 476 8319 Serupu Mongale	No. This event is invite-only

		<p>the daily relevance of science to their lives, the depth and breadth of science as a field of inquiry, and what it might be like to choose to do science in the world, either as a professional or a citizen scientist.</p> <p>This activities will bring practical concept of how almost everything in the phase of this planet is made possible by science. They will also stimulate the brains of the learners by being hands-on, solving problems or making sense of what causes the desired results of experiments to be. Through this activities, leaners will also realise that our lives revolves around technology and also encourage learners to think out of the box and be innovative.</p> <p><u>List of some of the fun experiments to be performed:</u></p> <ul style="list-style-type: none"> • Create own volcano • Mentos and coke fountain • Build a fizz inflator • Vegetable battery • Create own CO₂ and use it to blow-up balloons • Density experiment you can drink • Roll a can with static electricity • Rapid colour changing chemistry 		076 832 1314	
01 Aug 2018 11am – 14pm	<p>Solomon Mahlangu Secondary School</p> <p>Phagameng township Modimolle-Mookgopong local municipality</p>	<p><u>Presentations and learner engagement on the following topics:</u></p> <ul style="list-style-type: none"> • <u>Presentation 1:</u> Importance/Role of Science, Technology and Innovation in our everyday lives and how STEMI can assist us in achieving a better South Africa. 	Grade 10-12 Maths and Science stream learners at Solomon Mahlangu Secondary School and the surrounding high/secondary schools.	<p>Moshitwana Letsoalo 081 476 8319</p> <p>Serupu Mongale 076 832 1314</p>	<p>No.</p> <p>This event is invite-only</p>

		<ul style="list-style-type: none"> • Presentation 2: Promoting STEM education and Career Guidance. Showcasing examples of latest successful innovations in South Africa and how the lives of the innovators where changed for better through those innovation. • Presentation 3: Mining Industry in South Africa. Explain the overview of mining industry in South Africa, including the science involved in mining, scares skills in the industry, economic and environmental impact. • Presentation 4: Veterinary Science Overview of the veterinary field of study. Explain different types of available branches in the veterinary field and each of their roles to the society. Hands on activities with bacteria growing, cell cultures and others. 	<i>(this is not a public event)</i>		
02 Aug 2018 09am – 13pm	Makapans Valley Heritage Site Mokopane Mogalakwena local municipality	<u>Visit to Makapane’s valley Heritage site</u> Makapan is a paleontological site of international significance and is also part of the World Heritage Site of the Cradle of Humankind. Situated in the Waterberg northeast of Mokopane in the Limpopo Province, the site plays an important role in our understanding of	Retired members of public. <i>(Public members per invite only)</i>	Moshitwana Letsoalo 081 476 8319 Serupu Mongale 076 832 1314	No. This event is invite-only

		<p>human evolution. The network of limestone caves have yielded thousands of fossil bones, including africanus and other mammals. It also contains a remarkable unbroken sequence of archaeological remains from the Early Stone Age through to the recent Iron Age, and some of the earliest evidence of the controlled use of fire by our ancestors. Tour guide will be available to take visitors to different caves and explain the rich history of the site.</p>			
<p>03 Aug 2018 09am – 13pm</p>	<p>Mogalakwena State vet Mokopane Mogalakwena local municipality</p>	<p><u>Visit to Mogalakwena State vet</u> Student tour of the Animal health and Veterinary lab departments. Students to receive first-hand experience on what the role of state veterinary institutions. They will engage with different vet professionals in different departments available at this state vet and also get to learn of their everyday activities.</p>	<p>Maths and Science post matric students from LIMSA academy. <i>(this is not a public event)</i></p>	<p>Moshitwana Letsoalo 081 476 8319 Serupu Mongale 076 832 1314</p>	<p>No. This event is invite-only</p>