



science  
& technology

Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA



SAASTA  
South African Agency for Science  
and Technology Advancement

# NATIONAL SCIENCE WEEK

29 July to 3 August 2019



<b>Organisation:</b>	National Museum, Bloemfontein	<b>Project Leader:</b>	A van Staden	<b>Province/s:</b>	Free State
<b>Connect with us</b>	<b>Website:</b>	www.nasmus.co.za			
	<b>Facebook:</b>	www.facebook.com/National-Museum-Bloemfontein			
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## National Science Week events and activities:

DATE & TIME	VENUE	LOCATION	ACTIVITY	AUDIENCE	CONTACT DETAILS	BOOKINGS REQUIRED?
29 July - 2 Aug 9:00 each day	National Museum	Bloemfontein	<p><b>Activity 1 - Climate change throughout the millennia</b> By means of the PowerPoint presentation and with relevant real fossil examples I will discuss climate changes of the past and then will be focusing on adaptations of the plants and animals that survived these harsh environments. I will then pull it through to the influences of present-day climate changes and how it relates to current changes in the ecosystems and the effects on species. We will discuss solutions and contributions from our side to bring climate change under control. Various career</p>	Gr 11 learners and educators	051 4479609 ancilia@nasmus.co.za	Yes

			opportunities will be discussed and learners will be made aware of such career options they may follow, to become similar scientists.			
<b>29 July - 2 Aug 10:00 each day</b>	<b>Xariep district schools</b>	<b>Trompsburg Edenburg Jagersfontein Koffiefontein Reddersburg</b>	<p><b>Activity 2 - Elements influencing climate change</b></p> <p>The Periodic Table of elements will be discussed and some real examples will be shown. Learners will then identify elements that can be found in the atmosphere and conclude if they are basic elements or compounds - we will take a look at the compounds' atoms, mass &amp; atomic numbers and their combinations. The learners will then building clay compounds of atmospheric elements We will elaborate on the layers of the atmosphere, the importance of the ozone layer, its connection between the Earth's greenhouse effect and its influence on global warming. The realistic consequences of the greenhouse effect and other catastrophic effects will be explained. Then the learners will take part in a brain storming activity where they can give realistic everyday solutions and ways how everyone can make a difference to prevent and/or slow down climate change which will be written on a flip chart. Career</p>	<b>Gr 9 learners and educators</b>	<b>051 4479609 ancilia@nasmus.co.za</b>	<b>Yes</b>

			opportunities in these above mentioned science-related topics will be discussed.			
<b>29 July – 10:00 and 11:30</b> <b>30 July - 10:00</b> <b>31 July – 10:00 and 11:30</b> <b>1 Aug – 10:00</b> <b>2 Aug – 10:00</b>	<b>Lejweleputswa district schools</b>	<b>Soutpan</b> <b>Bultfontein</b> <b>Dealesville</b> <b>Theunissen</b> <b>Brandfort</b>	<b>Activity 3 - Discover the lungs of the Earth</b> A short PowerPoint presentation on the importance of trees and the harm that pollution does to our environment will be presented. Learners will be asked to wander around their premises and identify and pick up any litter that can be harmful to Earth. The learners will be actively involved in planting a Pork bush at their school and the advantages of such a tree will be explain to them.	<b>Pre-primary learners and educators</b>	<b>051 4479609</b> <b>ancilia@nasmus.co.za</b>	<b>Yes</b>