



science
& technology

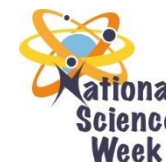
Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA



SAASTA
South African Agency for Science
and Technology Advancement

NATIONAL SCIENCE WEEK

29 July to 3 August 2019



Organisation:	ArcelorMittal Foundation NPC- Saldanha Science Centre	Project Leader:	Jacqueline Willems	Province/s:	Western Cape
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National Science Week events and activities:

DATE & TIME	VENUE	LOCATION	ACTIVITY	AUDIENCE	CONTACT DETAILS	BOOKINGS REQUIRED?
31 July (08.30-11:00), 01 August 2019, 02 August 2019	West Coast National Park	R27 Yzerfontein West Coast	Marine Impact: Beach Clean-Up A hands-on session of a beach clean-up. Learners will learn key concepts of waste and the impact of discarding waste adds to the green house emission gasses and accelerates the negative trend of climate change. Also highlighting key concepts such as what are Carbon Footprints and Green House gas emission. Emphasizing the importance of waste reduction and reusing waste materials to optimise use applications.	Learners	022-7191058	Yes
01 August 2019	St. Augustine Primary	St. Augustine Primary, Paternoster, West Coast	Waste Awareness: Upcycling Programme	Learners	022-7191058	Yes

			To limit the waste to landfill cycle, we want to encourage learners to re-use materials such as eg. To string several 2L cooldrink bottles and grow a vertical garden instead of throwing it away. Also exploring biodegradable materials such as the bottles made from sugar cane are alternatives to reduce waste to landfills. Discarding waste adds to the green house emission gasses and accelerates the negative trend of climate change. Also highlighting key concepts such as what are Carbon Footprints and Green House gas emission. Emphasizing the importance of waste reduction and reusing waste materials to optimise use applications.			
02 August 2019	ArcelorMittal Science Centre	08 Main Road, Vredenburg	Celebrating the International year of indigenous languages. Assessing the impact of climate change related to social science. Indigenous inhabitants relocated to survive as the seasons and climate became unpredictable and changed. Focusing on the Khoi and San people as local regional inhabitants and the impact of climate change on this culture.	General Public	022-7191058	No
29 July 2019	ArcelorMittal Science Centre	08 Main Road, Vredenburg	Interactive workshop facilitated by an indigenous Khoi language specialist together with a local artist will help the teachers through art and sculpture understand how the language developed. The workshop will consist of 3 legs first the focus will be on how the language was developed and the	ECD Teachers Workshop	022-7191058	Yes

			important role it plays in terms of trading. Followed by focussing on the actual writing and construction of the language. The final part of the workshop will focus on recreating rock art and the medicinal value of indigenous herbs used by the Khoi.			
30 July 2019	Multi-Purpose Centre, White City Saldanha	41 Trichardt Road, Saldanha	ECD Teachers will be able to see how they can use recycled materials in their lessons to support the learners' developmental areas. Learners will be stimulated through the interactive activities and this will contribute to the strengthening of their early learning and developmental areas. Grd R ECD learners will be divided into groups that will rotate per activity. With the planned games teachers will get a set learning outcome table that she/he can look for in each activity. This will also be a guide to assist teachers that have a shortage of teaching aids at school to help develop their lesson plans in such a way not needing expensive equipment but still reaching the child's developmental milestone on time per lesson	ECD learners	022-7191058	Yes
29 July 2019	Middlepos Primary	Middlepos, Saldanha	Indigenous Games – Middlepos Primary. Grd R ECD learners will be divided into groups that will rotate per activity. With the planned games teachers will get a set learning outcome table that she/he can look for in each activity. This will also be a guide to assist teachers that have a shortage of	ECD Grade R Learners	022-7191058	Yes

			teaching aids at school to help develop their lesson plans in such a way not needing expensive equipment but still reaching the child's developmental milestone on time per lesson.			
02 August 2019	Diazville Primary	Diazville, Saldanha	Indigenous Games – Diazville Primary. Grd R ECD learners will be divided into groups that will rotate per activity. With the planned games teachers will get a set learning outcome table that she/he can look for in each activity. This will also be a guide to assist teachers that have a shortage of teaching aids at school to help develop their lesson plans in such a way not needing expensive equipment but still reaching the child's developmental milestone on time per lesson.	Learners	022-7191058	Yes
31 July 2019	West Coast Fossil Park		Interactive STEMI games will encourage a love and interest in STEMI and later on as preferential subject of choice. Learners will learn about the diet of the owl and how to read their local ecosystem. They will also see what tools the indigenous Khoi used to hunt and what they used to make their day to day operation manageable.	Learners	022-719058	Yes
31 July 2019	West Coast Fossil Park		Hands-on activity will inspire an interest in STEMI as subject and careers related to nature conservation and paleoethology.	Learners	022-719058	Yes
29 and 30 July 2019	Science Centre		A stakeholder exhibition session where learners visit different programmes to discover how local organisations and programmes are structured to take	Learners	022-719058	Yes

			<p>nature into consideration and minimise the impact of greenhouse gas emissions. Using mathematic concepts that are aligned to the design of nature. Learners and teachers learn the hidden secrets of Maths in Nature. Getting them critically engaged, interested and informed. Nature is an important part that bears the impact of climate change. Using mathematics in practical manner aligned to nature to inspire a love for the subject and respect for the nature. Other stakeholders such as Fossil and SanParks will reveal the change as can be observed in the local region.</p>			
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31 July 2019	Veldrif High School		<p>Story telling through a spectacular science show demonstrating the various greenhouse gasses that contributes to climate change.</p> <p>Creating an interest in science through the science show and how it tells the story of climate change. Learners to grow an interest in STEMI and enhance its selection as preferred subjects and career choices. Creating a platform for learners to learn and understand the concepts related to climate change. A focus on the concepts and explaining it through a science show will demonstrate the impact and an awareness to have different approach to reduce our carbon footprint.</p>	Learners	022-719058	Yes
31 July 2019	Science Centre		<p>Women in Science:</p> <p>Learners engage with female scientists, role models and exhibitors in the STEMI field, acquiring information about technological advancements in these fields and STEMI career options. Experts / role models in the fields of renewable energy, climate change and environmental health/management will be invited to facilitate/present/exhibit.</p>	Learners	022-719058	Yes

03 August 2019	West Coast National Park	R27, Yzerfontein	Climate Change Hunt: Discover the impact of climate change on the local ecology of the West Coast National Park. Public will be invited to a scavenger hunt to learn more about the natural environment, the impact of climate change and the human impact of conservation and carbon footprints.	General Public	022-7191058	No