



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:	Penreach Shalamuka Science Centre	Project Leader:	Given Mashabane	Province/s:	Mpumalanga
Connect with us	Website:	www.penreach.co.za			
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National Science Week events and activities:

DATE & TIME	VENUE & LOCATION	ACTIVITY	AUDIENCE	CONTACT DETAILS	BOOKINGS REQUIRED?
30 July 2018 8h00 to 14H00	Penreach Shalamuka Science Centre	<ul style="list-style-type: none"> ➤ Science Show- Facilitators will present a variety of fun science experiments and have a lecture related to bringing alive science, technology and innovation for sustainable future. ➤ Robotics-Facilitator will give a lecture on the emerging interaction between humans and robots, the new generation of robotics research. How to build a robot and some will have the opportunity to operate a robot using a 	<p>Educators form primary and Secondary School.</p> <p>Learners from primary school (Grade1 to 7) and High School (Grade 8 to 12)</p>	<p>Given Mashabane gift@penryn.co.za 072 102 6007</p>	Booked already

		<p>remote.</p> <ul style="list-style-type: none"> ➤ BMW-They will gain knowledge on the Science and technology involved in the building of the BMW i3, how they can peruse careers in engineering. They will be encouraged to think out of the box in terms of creativity and innovation. ➤ Science exhibits-Participants will be taken to the Science exhibition where they will spend 30 minutes engaging with the exhibits. ➤ Maths games-Participants will be engaged on a various Maths and number games, followed by active interaction with learners on question and answers (e.g. segment were learners should describe the position of one object in relation to the other). ➤ Role models- They will explain their profession to participants and requirements for the type of work they do, information on how to apply for bursaries. ➤ Nature Trail- Participants will be given a tour in Penryn college facility where they will be educated about indigenous trees and gain knowledge on the importance indigenous trees in our daily life. ➤ How to save electricity at home- Participant will be lectured on ways to save electricity at home and the used of 			
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		electricity at home and how to calculate the consumption of the appliances used at home.			
31 July 2018	Penreach Shalamuka Science Centre	Same as above	Educators form primary and Secondary School. Learners from primary school (Grade 1 to 7) and High School (Grade 8 to 12)		Booked already
01 August 2018	Penreach Shalamuka Science Centre	Same as above	Educators form primary and Secondary School. Learners from primary school (Grade 1 to 7) and High School (Grade 8 to 12)		Booked already
02 August 2018	Penreach Shalamuka Science Centre	Same as above	Educators form primary and Secondary School. Learners from primary school (Grade 1 to 7) and High School (Grade 8 to 12)		Booked already
03 August 2018	Penreach Shalamuka Science Centre	Same as above	Educators form primary and Secondary School. Learners from primary school (Grade 1 to 7) and High School (Grade 8 to 12)		Booked already