



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:	KLEVA NKEVA		Project Leader:	Themba Mazibu	Province/s:	E.C
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National Science Week events and activities:

DATE & TIME	VENUE & LOCATION	ACTIVITY	AUDIENCE	CONTACT DETAILS	BOOKINGS REQUIRED?
30-07-2018. 09:00 – 10:00	Kleva Nkeva Dubana	Phase 1 Official Opening and welcome of guests.	Community members, learners, students. Traditional leaders.	Themba Mazibu 0670360952	Yes: Phase 1
10:00 – 12:00 & 12:00 – 15:00		Phase 2 Activity highlights: Free energy generation and innovation This activity illustrates how energy can be generated for electronic home functions without using electricity from the grid. The activity is essential in promoting environmental sustainability by promoting ways of conserving electricity consumption hence relieving the stress from natural resources used for the			No

		<p>generation of this energy.</p> <p><i>Including other activities!!</i></p> <ul style="list-style-type: none"> - Weather station using IoT for Farming/Gardening - Water Cycle Demystified - Water quality parameter measurements and Fish Dissection 			
31/07/2018. 09:00 –15:00	Mtontsasa Sigcawu- AMOS Khango community hall.	<p>Activity highlights</p> <p>Weather station using IoT for Farming/Gardening</p> <p>What is the “<i>Internet of Things?</i>” How can this concept and its applications be used in everyday activities like gardening and farming? What data can we collect from the environment and how can we use this data in predicting future weather trends for your area? What other benefits can we get from sensor data collected from your weather station? Come and participate and learn how to do basic computer programming and discover new methods that can enhance your agricultural practices in this activity.</p> <p><i>Including other activities!!</i></p> <ul style="list-style-type: none"> - Free energy generation and innovation - Water Cycle Demystified - Water quality parameter measurements and Fish Dissection 	Community members, learners, students.	Themba Mazibu 0670360952	No

<p>01/08/2018 09:00 –15:00</p>	<p>MBIZANA. Community hall Near Ebenezer</p>	<p>Activity highlights Water Cycle Demystified</p> <p>Water is a decreasing resource in the world and its availability is being compromised by Global Warming phenomenon. The lack of water in some area of South Africa threatens the sustainability of the life in those areas. Every person needs to be aware of preserving water, and to avoid water pollution as well as know its importance in food security.</p> <p><i>Including other activities!!</i></p> <ul style="list-style-type: none"> - Aquatic Sciences: Water quality parameter measurements and Fish Dissection - Free energy generation and innovation - Weather station using IoT for Farming/Gardening 	<p>Community members, learners, students.</p>	<p>Themba Mazibu 0670360952</p>	<p>No</p>
<p>02/08/2018 09:00 –15:00</p>	<p>Ntabankulu. Community hall.</p>	<p>Activity highlights Aquatic Sciences: Water quality parameter measurements and Fish Dissection</p> <p>Water Quality parameters measurements to be observed: Dissolved Oxygen, Water Temperature, Water pH will be measured, recorded and analysed by participants and will then record the health status of the water body. Participants will also observe measuring the Total Length of the fish, mass before the fish dissected. Fish will be dissected to expose the anatomy of the fish, digestive system, respiratory system, swim-bladder and</p>	<p>Community members, learners.</p>	<p>Themba Mazibu 0670360952</p>	<p>No</p>

		<p>reproductive organs of fish.</p> <p><i>Including other activities!!</i></p> <ul style="list-style-type: none"> - Free energy generation and innovation - Weather station using IoT for Farming/Gardening - Water Cycle Demystified 			
<p>03/08/2018 09:00 –15:00</p>	<p>Mdanjelwa great place. ENGCOBO</p>	<p>Activity highlights Water Cycle Demystified</p> <p><i>Including other activities!!</i></p> <ul style="list-style-type: none"> - Aquatic Sciences: Water quality parameter measurements and Fish Dissection - Free energy generation and innovation - Weather station using IoT for Farming/Gardening 	<p>Community members, learners.</p>	<p>Themba Mazibu 0670360952</p>	<p>NO</p>
<p>04/08/2018 09:00 –12:00</p> <p>12:30 – 15:30</p>	<p>Silaka Nature reserve 3rd beach. PSJ</p> <p>Sajonisi Youth Radio</p>	<p>Activity highlights Aquatic Sciences: Water quality parameter measurements and Fish Dissection</p> <p>Water Quality parameters measurements to be observed: Dissolved Oxygen, Water Temperature, Water pH will be measured, recorded and analysed by participants and will then record the health status of the water body. Participants will also observe measuring the Total Length of the fish, mass before the fish dissected. Fish will be dissected to expose the anatomy of the fish, digestive system, respiratory system, swim-bladder and</p>	<p>Community members, tourist,</p>	<p>Themba Mazibu 0670360952</p>	<p>yes</p>

		reproductive organs of fish. <i>Including other activities!!</i> <ul style="list-style-type: none">- Free energy generation and innovation- Weather station using IoT for Farming/Gardening- Water Cycle Demystified			
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