



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

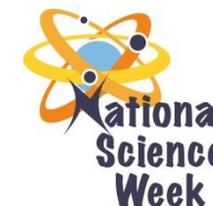


SAASTA
South African Agency for Science
and Technology Advancement

NATIONAL SCIENCE WEEK

Deepening our Democracy through Science

28 July – 4 August 2018



Organisation:	Penreach (ECD Department)	Project Leader:	Given Mashabane	Province/s:	Mpumalanga
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National Science Week events and activities:

DATE & TIME	VENUE & LOCATION	ACTIVITY	AUDIENCE	CONTACT DETAILS	BOOKINGS REQUIRED?
31 July 2018	Ikhayalabantwana Daycare / Matsulu C	Science Week fun: Activity 1: Sinking and Floating: <ul style="list-style-type: none"> ➤ To full a large see-through container with water. ➤ Use recycled every day materials and put them in the water to see if they sink or float. ➤ Ask the children to guess if it will sink or float each time ➤ Put the sinking items into one box and 	<ul style="list-style-type: none"> ➤ ECD centre children ➤ ECD centre managers ➤ ECD Practitioners ➤ Parents 	Ms Poonam Dwarkaram Cell: 084 789 0005	NO (already booked)

		<p>the floating items into the other box</p> <ul style="list-style-type: none"> ➤ Ask the children to call out if they remember an item that floated or an item that sank ➤ To full a smaller see-through container with water. Mark the line of the water with a marker pen ➤ Place large pebbles or rocks into the water filled container and see if the water line rises and how quickly it rises the larger the rocks are ➤ Explain how putting a brick into the cistern of the toilet will take up space (volume) which means the toilet won't use as much water every time you flush <p>The experiment shows how to conserve water (Sustainable future) in a fun, visual and interactive (Bringing alive) way while using every-day objects as materials (Technology) for the activity.</p> <p>Activity 2 Science Activities: (the following will be demonstrated to the children)</p> <ul style="list-style-type: none"> ➤ Blowing a balloon using Baking soda and vinegar ➤ Switching off a candle without blowing it ➤ Floating orange in water <p>Learners will enjoy watching the experiments, experiments will ignite the learners interest in</p>			
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		<p>science, improve thinking skills, Improve social skills</p> <p>Activity 3</p> <p>Puppet show:</p> <ul style="list-style-type: none">➤ Children will be listening to a puppet show storytelling presentation where they will learn about the importance of science at the same time they will be given the opportunity to interact with the puppets and answer questions about what they learned. <p>Children will have a positive attitude towards science. They will learn creativity and imagination. Increased thinking skills as they will be asked questions.</p> <p>Activity 4</p> <p>Robotics:</p> <ul style="list-style-type: none">➤ Children will see a robotic show. Some will have the opportunity to operate a robot using a remote➤ Robot will be introduced, questions will be asked and a short explanation of what a robot is. Show practitioners what is used to build a robot (have all the elements there)			
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		Social skills improved, Language and Mathematical skills improved, and Improved participation skills from both children and practitioners			
1 August 2018	Umjindi ECD centre / Barberton	➤ Same as above	<ul style="list-style-type: none"> ➤ ECD centre children ➤ ECD centre managers ➤ ECD Practitioners ➤ Parents 	Ms Poonam Dwarkaram Cell: 084 789 0005	NO (already booked)
2 August 2018	Bambino Daycare / Kabokweni	➤ Same as above	<ul style="list-style-type: none"> ➤ ECD centre children ➤ ECD centre managers ➤ ECD Practitioners ➤ Parents 	Ms Poonam Dwarkaram Cell: 084 789 0005	NO (already booked)