



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

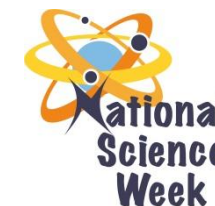


SAASTA
South African Agency for Science
and Technology Advancement

NATIONAL SCIENCE WEEK

Deepening our Democracy through Science

28 July – 4 August 2018



Organisation:	ITSHEKENG BICYCLES AND TOURS C.C ‘ITSHEKENG EDUCATIONAL TOURS’		Project Leader:	DINEO RAKUMAKOE	Province/s:	NORTH WEST
Connect with us	Website:	www.itshekengtours.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 Facilitator: Mdu Time: 08:00 – 11:00	Madidi Village Madidi Primary School	Sports Management and Mathematics Practices The activities are basically for Physical, Mental and Sociological Assessment Eg. Clock warm up – Time management Egg Race – Concentration 30 seconds game – Calculations Blind Trust - Trust Mathematics Activity Game Find Maths fact family : Learners will be able	Grade 5 -7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call

		to understand multiplication, subtraction, addition and minus without the use of the calculator			
30 July 2018 Facilitator: Karabo Time: 08:00 – 11:00	Madidi Village Mmamonwana Primary	Aviation Drone, 3D Technology and Mathematical Skills Demonstration of Drone Technology and 3D Copper Sulphate Experiments – Syllabus The will learn on how to operate the drone, learn about the 3D dimension technology.	Grade 6 – 7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call
30 July 2018 Facilitator: Tlangelani Time: 08:00 – 11:00	Madidi Village Mpyatilo Primary	Nano Technology Balloon Gas chemical reaction: Learners will learn about gas and chemical reaction by discovering how to inflate a balloon using baking soda and vinegar. What makes Ice Melts faster? This experiment explores how salt and sugar affect the melting rate of ice in water.	Grade 4 – 7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call
30 July 2018 Facilitator: Christicia Seseng S.M.H.S.U (Lab Tour) Time: 09:00 – 12:00	Madidi Village Ntolo Secondary	Laboratory tour to Sefako Makgatho Health Science University We want to advance the learners to the field of science, since the world of Today, is a Technology World. Demonstrations and Experiments will be taking place. Motivational talks and competition for our learners as we want to inspire them to science, technology and innovation. We will take a group of Grade 10. Grade 11 & 12 will be having Introduction	Grade 10 – 12 learners Mathematics, Science and Physics Educators	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call

		and Theoretical classes with Facilitator Karabo and Tlangelane (Maths and Science)			
31 July 2018 Facilitator: Christicia Seseng S.M.H.S.U (Lab Tour) Time: 09:00 – 12:00	Madidi Village Ntolo Secondary	Laboratory tour to Sefako Makgatho Health Science University We want to advance the learners to the field of science, since the world of Today, is a Technology World. Demonstrations and Experiments will be taking place. Motivational talks and competition for our learners as we want to inspire them to science, technology and innovation. We will take a group of Grade 11. Grade 10 & 12 will be having Introduction and Theoretical classes with Facilitator Karabo and Tlangelane (Maths and Science)	Grade 10 – 12 learners Mathematics, Science and Physics Educators	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call
31 July 2018 Facilitator: Karabo Time: 08:00 – 11:00	Madidi Village Madidi Primary School	Aviation Drone, 3D Technology and Mathematical Skills Demonstration of Drone Technology and 3D Copper Sulphate Experiments – Syllabus The will learn on how to operate the drone, learn about the 3D dimension technology.	Grade 5 – 7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call
31 July 2018 Facilitator: Mdu Time: 08:00 – 11:00	Madidi Village Mpyatilo Primary	Sports Management and Mathematics Practises The activities are basically for Physical, Mental and Sociological Assessment Eg. Clock warm up – Time management Egg Race – Concentration 30 seconds game – Calculations Blind Trust – Trust Mathematics Activity Game Find Maths fact family : Learners will be able	Grade 4 – 7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call

		to understand multiplication, subtraction, addition and minus without the use of the calculator			
31 July 2018 Facilitator: Tlangelane Time: 08:00 – 11:00	Madidi Village Mmamonwana Primary	Nano Technology Balloon Gas chemical reaction: Learners will learn about gas and chemical reaction by discovering how to inflate a balloon using baking soda and vinegar. What makes Ice Melts faster? This experiment explores how salt and sugar affect the melting rate of ice in water.	Grade 6 – 7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call
01 July 2018 Facilitator: Karabo Time: 08:00 – 11:00 11: - 12:00	Madidi Village Mpyatilo Primary	Aviation Drone, 3D Technology and Mathematical Skills Demonstration of Drone Technology and 3D Copper Sulphate Experiments – Syllabus The will learn on how to operate the drone, learn about the 3D dimension technology. Mathematical skills	Grade 4 – 7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call
01 July 2018 Facilitator: Christicia Seseng S.M.H.S.U (Lab Tour) Time: 09:00 – 12:00	Madidi Village Ntolo Secondary	Laboratory tour to Sefako Makgatho Health Science University We want to advance the learners to the field of science, since the world of Today, is a Technology World. Demonstrations and Experiments will be taking place. Motivational talks and competition for our learners as we want to inspire them to science, technology and innovation. We will take a group of Grade 12.	Grade 10 – 12 learners Mathematics, Science and Physics Educators	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call

		Grade 10 & 11 will be having Introduction and Theoretical classes with Facilitator Karabo and Tlangelane (Maths and Science)			
01 August 201 Facilitator: Mdu Time: 08:00 – 11:00	Madidi Village Mmamonwana Primary	Sports Management and Mathematics Practices The activities are basically for Physical, Mental and Sociological Assessment Eg. Clock warm up – Time management Egg Race – Concentration 30 seconds game – Calculations Blind Trust – Trust Mathematics Activity Game Find Maths fact family : Learners will be able to understand multiplication, subtraction, addition and minus without the use of the calculator	Grade 6 – 7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call
01 August 2018	Madidi Village Madidi Primary School	Nano Technology Balloon Gas chemical reaction: Learners will learn about gas and chemical reaction by discovering how to inflate a balloon using baking soda and vinegar. What makes Ice Melts faster? This experiment explores how salt and sugar affect the melting rate of ice in water.	Grade 5– 7 learners Maths, Natural Science and Technology Teachers	Dineo 071 853 5160 dineo@itshekengtours.co.za	Yes Book online Facebook page or Email or Call
02 August 2018	Madidi Village Madidi Primary School	Sports Management and Mathematics Practices The activities are basically for Physical,	Grade 5 – 7 learners Maths, Natural Science and	Dineo 071 853 5160	Yes Book online

<p>Facilitator: Mdu</p> <p>Time: 10:00 – 11:00</p>		<p>Mental and Sociological Assessment</p> <p>Eg. Clock warm up – Time management</p> <p>Egg Race – Concentration</p> <p>30 seconds game – Calculations</p>	<p>Technology Teachers</p>	<p>dineo@itshekengtours.co.za</p>	<p>Facebook page or Email or Call</p>
<p>Facilitator: Karabo</p> <p>Time: 10:00 – 11:00</p>		<p>Aviation Drone, Velocity and Acceleration, 3D Technology and Mathematics</p> <p>The model of Technology that is used Today, is what the World need most to accelerate the economical growth of the world.</p> <p>Understanding Mathematics in Trigonometry and Algebra according to their syllabus. Demonstration of Drone Technology and 3D</p>			
<p>Facilitator: Tlangelane</p> <p>Time: 10:00 – 11:00</p>		<p>Nano Technology</p> <p>Balloon Gas chemical reaction: Learners will learn about gas and chemical reaction by discovering how to inflate a balloon using baking soda and vinegar.</p> <p>What makes Ice Melts faster?</p> <p>This experiment explores how salt and</p>			

		sugar affect the melting rate of ice in water.			
<p>02 August 2018</p> <p>Facilitator; Mdu</p> <p>Time: 09:00-10:00</p> <p>Facilitator: Karabo</p> <p>Time: 09:00 – 10:00</p>	<p>Madidi Village</p> <p>Mmamonwana Primary</p>	<p>Sports Management and Mathematics Practices</p> <p>The activities are basically for Physical, Mental and Sociological Assessment</p> <p>Eg. Clock warm up – Time management</p> <p>Egg Race – Concentration</p> <p>30 seconds game – Calculations</p> <p>Aviation Drone, Velocity and Acceleration, 3D Technology and Mathematics</p> <p>The model of Technology that is used Today, is what the World need most to accelerate the economical growth of the world.</p>	<p>Grade 6– 7 learners</p> <p>Maths, Natural Science and Technology Teachers</p>	<p>Dineo</p> <p>071 853 5160</p> <p>dineo@itshekengtours.co.za</p>	<p>Yes</p> <p>Book online</p> <p>Facebook page or Email or Call</p>

<p>Facilitator: Tlangelane</p> <p>Time: 09:00 – 10:00</p>		<p>Understanding Mathematics in Trigonometry and Algebra according to their syllabus. Demonstration of Drone Technology and 3D</p> <p>Nano Technology</p> <p>Balloon Gas chemical reaction: Learners will learn about gas and chemical reaction by discovering how to inflate a balloon using baking soda and vinegar.</p> <p>What makes Ice Melts faster?</p> <p>This experiment explores how salt and sugar affect the melting rate of ice in water.</p>			
<p>02 August 2018</p> <p>Facilitator: Mdu</p> <p>Time: 08:00 – 9:00</p>	<p>Madidi Village Ntolo Secondary</p>	<p>Sports Management and Mathematics Practices</p> <p>The activities are basically for Physical, Mental and Sociological Assessment</p> <p>Eg. Clock warm up – Time management</p> <p>Egg Race – Concentration</p>	<p>Grade 10 – 12 learners</p> <p>Mathematics, Science and Physics Educators</p>	<p>Dineo</p> <p>071 853 5160</p> <p>dineo@itshekengtours.co.za</p>	<p>Yes</p> <p>Book online</p> <p>Facebook page or Email or Call</p>

<p>Facilitator: Karabo</p> <p>Time: 08:00 – 09:00</p> <p>Tlangelane</p> <p>Time: 08:00- 09:00</p>		<p>30 seconds game – Calculations</p> <p>Blind Trust – Trust</p> <p>Guess my word</p> <p>Balloon Pyramid</p> <p>Aviation Drone, Velocity and Acceleration, 3D Technology and Mathematics</p> <p>The model of Technology that is used Today, is what the World need most to accelerate the economical growth of the world.</p> <p>Understanding Mathematics in Trigonometry and Algebra according to their syllabus. Demonstration of Drone Technology and 3D</p> <p>Nano Technology</p> <p>Hydrogen and fuel cell technologies: demonstration of how fuel and cells generate electricity (Using hydrogen carkit) for Grade 11 and 12 learners.</p> <p>Titration Experiment</p>			
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<p>10:00 – 11:00</p> <p>Captain Monareng and Col Maonya</p> <p>SAPS AIRWING</p>		<p>Exothermic and Endothermic reactions for Grade 10 learners.</p> <p>SAPS AIRWING (AVIATION) in Wonderboom Airport</p> <p>Demonstrations and presentation of Aviation as a whole.</p> <p>Careers</p> <p>Opportunities</p> <p>Qualifications</p> <p>Demonstration of Air Craft</p>	<p>Grade 12</p>		
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<p>02 august 2018</p> <p>Facilitator: Mdu</p> <p>Time: 11:0 – 12:00</p> <p>Facilitator: Karabo</p> <p>Time:11:00 – 12:00</p> <p>Facilitator: Tlangelane</p> <p>Time: 11:00 - 12:00</p>	<p>Madidi Village Mpyatilo Primary</p>	<p>Sports Management and Mathematics Practices</p> <p>The activities are basically for Physical, Mental and Sociological Assessment</p> <p>Eg. Clock warm up – Time management</p> <p>Egg Race – Concentration</p> <p>30 seconds game – Calculations</p> <p>Aviation Drone, Velocity and Acceleration, 3D Technology and Mathematics</p> <p>The model of Technology that is used Today, is what the World need most to accelerate the economical growth of the world.</p> <p>Understanding Mathematics in Trigonometry and Algebra according to their syllabus. Demonstration of Drone Technology and 3D</p> <p>Nano Technology</p> <p>Balloon Gas chemical reaction: Learners will learn about gas and chemical reaction by discovering how to inflate a balloon using</p>	<p>Grade 4 – 7 learners</p> <p>Maths, Natural Science and Technology Teachers</p>	<p>Dineo</p> <p>071 853 5160</p> <p>dineo@itshekengtours.co.za</p>	<p>Yes</p> <p>Book online</p> <p>Facebook page or Email or Call</p>
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		<p>baking soda and vinegar.</p> <p>What makes Ice Melts faster?</p> <p>This experiment explores how salt and sugar affect the melting rate of ice in water.</p>			
<p>03 August 2018</p> <p>Facilitator: Dineo</p> <p>Time:09:00 – 16:00</p>	<p>Madidi Village Madidi Community Hall</p>	<p>Sustainable Growth and Development in Science, Technology and Innovation.</p> <p>Giving the Community a solution of how to illuminate poverty through Innovative ideas and implementations.</p> <p>There will be presentations from different departments/ companies, Workshops in line with our theme.</p>	<p>Public from 18 years to 80 years</p> <p>Unemployed and employed</p> <p>Undergraduates and Graduates</p>	<p>Dineo</p> <p>071 853 5160</p> <p>dineo@itshekengtours.co.za</p>	<p>Yes</p> <p>Book online</p> <p>Facebook page or Email or Call</p>