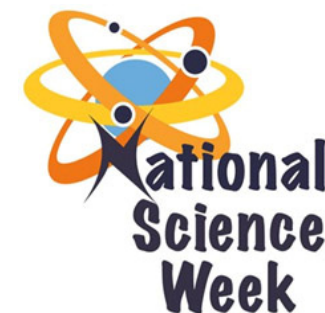


Fezile Dabi ERC

Province: Free State

NSE 2009 – Focus Week Plan (1- 8 August 2009)

Saturday, 01 August 2009



DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
01/08	7H00 – 9H00	ERC	Fun Run	Community, Learners, Educators	Mr. Moopi	Me Potsane 082 785 9318 056 - 216 3800/3855
	9H00 – 10H00	ERC	Blood bank Presentation: What is blood? Where does it come from? Blood types, Phenotypes and Genotypes.	Community, Learners, Educators	SANBS	
	10H30 – 11H30	ERC	Employee Wellness	Community, Learners, Educators	FSDoE Employee Wellness Section	
	11H30 – 12H30	ERC	Dietician	Community, Learners, Educators	Boitumelo Hospital	

Monday, 03 August 2009

DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
03/08	9H00 – 11H00	Moqhaka Municipality	Official Opening	Community, Learners, Educators	Me. Potsane	Me Potsane 082 785 9318 056 - 216 3800
	11H00 – 12H00	Moqhaka Municipality	Science Show: Experilab	Community, Learners, Educators	Experilab	
	12H00 – 14H00	ERC	Learner Projects: Learner projects for science & technology will be displayed and judged	Community, Learners, Educators	Science & Technology LF	

Tuesday, 04 August 2009

DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
04/08	8H00 – 9H00	ERC	Astronomy: Using telescope to explain the whole field of astronomy and the mechanics there-off. Explaining the importance of building / buying own telescope.	Gr. 10-12 Learners & educators	Mr. T Jordaan	Me Potsane 082 785 9318 056 - 216 3800
	9H00 – 10H00	ERC				
	10H00 – 11H00	ERC				
	11H00 – 12H00	ERC				
	12H00 – 13H00	ERC				
			Funny science in the kitchen: New way of looking at scientific methods and weird and wonderful ways to turn		Me Mazibuko/ Mr Gumede	

		<p>your kitchen into a laboratory. Showing how chemicals in the kitchen are related to the one we use in the laboratory e.g. the reaction of Eno and vinegar</p> <p>Life Science Experiments (Gr.12)</p> <ul style="list-style-type: none"> • Evolution for Grade 12 Life Science • Biotechnology basics • HIV in the Life Science classroom. <p>ICT Integration (Gr. 10 – 12)</p> <ol style="list-style-type: none"> 1. Challenges in technology and research conducted. 2. How to search for information <p>Science Experiments: (Gr. 12)</p> <ol style="list-style-type: none"> 1. Practical work on Titration 2. Boyles'law models 		<p>Mr. Lengana</p> <p>Mr. Moji</p> <p>Mrs Mazibuko/ Mr. Gumede</p> <p>Ms. Sumari Venter</p> <p>Constance</p>	
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			<p>3. Building of models of molecules using clay.</p> <p>4. Current electricity</p> <p>5. Electrodynamics v/s electromagnetism</p> <p><u>COMPETITIONS Gr. 10 - 12</u></p> <ul style="list-style-type: none"> • Soduko-solving numerical problems • Life sciences • Technology- advances • Science-explore general science <p>Beadwork: Learner workshops in beadwork focusing on highlighting the mathematical patterns used in this art raising awareness of this indigenous knowledge</p> <p>IKS games</p> <ul style="list-style-type: none"> • Dibeke • Morabaraba • Blikkies • Kgathi <p>Trac SA</p>		Department of Arts & Culture	
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			<ul style="list-style-type: none"> • Determination of gravitational accelerations. • The conservation of mechanical energy • Pressure -volume relationship in gases 			
	09H00 – 16H00	ERC	Educators workshops Geographical Information Systems: Expose educators and learners to paper and computer Geographical Information Systems.	Geography Educators	Mr. P Kok	

Tuesday, 05 August 2009

DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
05/08	7h00 – 14h00	CUT	Outreach- on site visits Jewellery making School (CUT) in Virginia Make your own (Jewelry Making Site) Learners will learn how to use	Gr 11 – 12 Learners Phephetso secondary	Jewellery making School (CUT)	Mr. Ferndale 082 945 1641 056 – 216 3833

			beads in making their own jewelry.			
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Wednesday, 05 August 2009

DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
05/08	8H00 – 9H00	ERC	Hydraulics: The difference between the hydraulics and the pneumatics. How does a hydraulic system works (Gr. 7)	Gr. 3 - 9 Learners	Mr. Khambule	Me Potsane 082 785 9318 056 - 216 3800
	9H00 – 10H00	ERC			Me Van Staden	
	10H00 – 11H00	ERC			Me Van Staden	
	11H00 – 12H00	ERC	Our world and weather: The importance of water in our lives. (Gr. 3)		Me Mazibuko	
	12H00 – 13H00	ERC	What is the weather doing? People first believe weather was caused by Gods and monster fighting. Nowadays we know there are scientific explanations for weather changes. (Gr. 3)	Gr. 10-12	Mr. Moji	
			Funny science in the kitchen: New way of looking at scientific methods and weird and wonderful ways to turn your kitchen into a laboratory. Showing how chemicals in the kitchen are related to the one			

		<p>we use in the laboratory e.g. the reaction of Eno and vinegar (gr. 3-9)</p> <p>ICT Integration</p> <ol style="list-style-type: none"> 1. Challenges in technology and research conducted. 2. How to search for information. <p>Life Orientation-Career choices (The importance of SET careers) Career, study choices and opportunities</p> <p>Building Airplanes: Technology structure & control</p> <p>Beadwork: Learner workshops in beadwork focusing on highlighting the mathematical patterns used in this art raising awareness of this indigenous knowledge</p> <p>IKS Transformation: Drawing Cultural patterns (gr.</p>	Gr. 7 -9	<p>Me Chabela</p> <p>Mr. Mololekoa</p> <p>Me Pretorius</p> <p>Mr. Mofokeng</p> <p>Dept of Arts & Culture</p>	
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			<p>7 – 9)</p> <p>IKS games</p> <ul style="list-style-type: none"> • Dibeke • Morabaraba • Blikkies • Kgathi <p>Trac SA</p> <ul style="list-style-type: none"> • Determination of gravitational accelerations. • The conservation of mechanical energy • Pressure -volume relationship in gases 			
	14H00 – 16H00	ERC	<p>Educators workshops:</p> <p>Weather: Wind Precipitation, Precipitation, (Rain) Temperature.</p> <p>Weather:</p> <ul style="list-style-type: none"> • Weather map- Identification of cloudy, sunny and rainy areas. • Recording and measuring temperature 	Gr. 4-6 Educators	Mr. Tseki	

			<p>on a graph using thermometer.</p> <ul style="list-style-type: none"> Recording and measuring different forces and directions of wind. Instruments of rainfall 			
	14H00 – 16H00	ERC	Educators workshops: Maths	Educators	MCPT	
	09H00 – 16H00	ERC	<p>Educators workshops Geographical Information Systems: Expose educators and learners to paper and computer Geographical Information Systems.</p>	FET Geography Educators	Mr. P Kok	

Wednesday, 05 August 2009

DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
05/08	7h00 – 14h00		<p>Outreach- on site visits:</p> <p>Lethabo Power Station</p> <p>Explore how electricity is produced (ESKOM Lethabo</p>	<p>Gr 11 – 12 Learners Ngwathe Secondary in Edenville</p>	Lethabo Power Station	<p>Mr. Ferndale 082 945 1641 056 – 216 3833</p>

			Power Station) How electricity is produced- through a static exhibition.			
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			<p>mathematical patterns used in this art raising awareness of this indigenous knowledge.</p> <p>IKS games</p> <ul style="list-style-type: none"> • Dibeke • Morabaraba • Blikkies • Kgathi <p>Trac SA</p> <ul style="list-style-type: none"> • Determination of gravitational accelerations. • The conservation of mechanical energy • Pressure - volume relationship in gas 			
	14H00 – 16H00	ERC	Educators workshops: Intro to Edukite learning Software	Maths & Science Educators	A Aravind	073 365 9270

Thursday, 06 August 2009 (Retshedisitswe Secondary, Villiers)

DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
06/08	8H00 –	Retshedisitswe	<p>Hydraulics: The difference between the hydraulics and the pneumatics. How does a hydraulic system works (Gr. 7)</p> <p>Our world and weather: The importance of water in our lives. (Gr. 3)</p> <p>What is the weather doing? People first believe weather was caused by Gods and monster fighting. Nowadays we know there are scientific explanations for weather changes. (Gr. 3).</p> <p>Funny science in the kitchen: New way of looking at scientific methods and weird and wonderful ways to turn your kitchen into a laboratory. Showing how chemicals in the kitchen are related to the one we use in the laboratory e.g. the reaction of Eno and vinegar</p>	<p>Gr. 3 - 9 Learners</p>	Me Van Staden	<p>Mr. Mpotane 083 372 0548</p>
	9H00	Villiers			Me Van Staden	
	9H00 –				Me Van Staden	
	10H00				Me Van Staden	
	10H00 –				Me Van Staden	
	11H00				Me Mazibuko	
	11H00 –				Me Mazibuko	
	12H00				Me Mazibuko	
	12H00 –				Me Mazibuko	
	13H00				Me Mazibuko	
			Mr. Moji			
			Me Chabela			

			<p>ICT Integration</p> <p>3. Challenges in technology and research conducted.</p> <p>4. How to search for information.</p> <p>Life Orientation-Career choices (The importance of SET careers) Career, study choices and opportunities (Gr. 7 -9)</p> <p>Beadwork: Learner workshops in beadwork focusing on highlighting the mathematical patterns used in this art raising awareness of this indigenous knowledge</p> <p>Building Airplanes: Technology structure & control</p> <p>IKS games</p> <ul style="list-style-type: none"> • Dibeke • Morabaraba • Blikkies • Kgathi 		<p>Me Pretorius</p> <p>Mr. Mololekoa</p> <p>Dept. of Arts & Culture</p> <p>Boitjhorisong ERC</p>	
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			<p>Trac SA</p> <ul style="list-style-type: none"> • Determination of gravitational accelerations. • The conservation of mechanical energy • Pressure -volume relationship in gas 			
	14H00 – 16H00	ERC	<p>Educators workshops: Weather: Wind Precipitation, Precipitation, (Rain) Temperature. Weather:</p> <ul style="list-style-type: none"> • Weather map- Identification of cloudy, sunny and rainy areas. • Recording and measuring temperature on a graph using thermometer. • Recording and measuring different forces and directions of wind. • Instruments of rainfall 	Gr. 4-6 educators	Mr. Tseki	
	14H00 – 16H00	ERC	<p>Educators workshops: Maths</p>	Educators	MCPT	

Thursday, 06 August 2009

DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
06/08	7h00 – 14h00		Outreach- on site visits:	Gr 11 – 12 Learners Thakameso Secondary in Kroonstad	Lethabo Power Station	Mr. Ferndale 082 945 1641 056 – 216 3833

Friday, 07 August 2009 (Kgolagano Secondary, Viljoenskroon)

DATE	TIME	VENUE	ACTIVITY	TARGET GROUP	FACILITATOR	ENQUIRIES
07/08	8H00 – 9H00	Retshedisitswe	Hydraulics: The difference between the hydraulics and the pneumatics. How does a hydraulic system works (Gr. 7) Our world and weather: The importance of water in our lives. (Gr. 3) What is the weather doing? People first believe weather was caused by Gods and monster fighting. Nowadays we know there are scientific explanations for weather changes. (Gr. 3)	Gr. 3 - 9 Learners	Mr Khambule	Mr. Ferndale 082 945 1641 056 – 343 2196
	9H00 – 10H00	Villiers			Me Van Staden	
	10H00 – 11H00					
	11H00 – 12H00				Me Van Staden	
	12H00 – 13H00					
					Me Chabela	

			<p>Life Orientation-Career choices (The importance of SET careers) Career, study choices and opportunities (Gr. 7 -9)</p> <p>Beadwork: Learner workshops in beadwork focusing on highlighting the mathematical patterns used in this art raising awareness of this indigenous knowledge</p> <p>Building Airplanes: Technology structure & control</p> <p>IKS games</p> <ul style="list-style-type: none"> • Dibeke • Morabaraba • Blikkies • Kgathi <p>Trac SA</p> <ul style="list-style-type: none"> • Determination of gravitational accelerations. • The conservation of mechanical energy 		<p>Mr. Molelekoa</p> <p>Dept of Arts & Culture</p> <p>Boitjhorisong ERC</p>	
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			<ul style="list-style-type: none"> • Pressure -volume relationship in gas 			
	14H00 – 16H00	ERC	<p>Educators workshops: Weather: Wind Precipitation, Precipitation, (Rain) Temperature. Weather:</p> <ul style="list-style-type: none"> • Weather map- Identification of cloudy, sunny and rainy areas. • Recording and measuring temperature on a graph using thermometer. • Recording and measuring different forces and directions of wind. • Instruments of rainfall 	Gr. 4-6 educators	Mr. Tseki	
	14H00 – 16H00	ERC	<p>Educators workshops: Maths</p>	Educators	MCPT	

			<p>ICT Integration (Gr. 10 – 12)</p> <p>5. Challenges in technology and research conducted. 6. How to search for information</p> <p>Science Experiments: (Gr. 12)</p> <p>11. Practical work on Titration 12. Boyles' law models 13. Building of models of molecules using clay. 14. Current electricity 15. Electrodynamics v/s electromagnetism</p> <p><u>COMPETITIONS Gr. 10 - 12</u></p> <ul style="list-style-type: none"> • Soduko-solving numerical problems • Life sciences • Technology- advances • Science-explore general science <p>Beadwork: Learner workshops in beadwork</p>		<p>Mr Gumede</p> <p>Ms S Venter Constance</p> <p>Me Pretorius</p> <p>Dept of Arts & Culture</p>	
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			<p>focusing on highlighting the mathematical patterns used in this art raising awareness of this indigenous knowledge</p> <p>IKS games</p> <ul style="list-style-type: none"> • Dibeke • Morabaraba • Blikkies 			
	14H00 – 16H00		<p>Educators workshops: Intro to Edukite learning Software</p>	<p>Maths & Science Educators</p>	A Aravind	073 365 9270