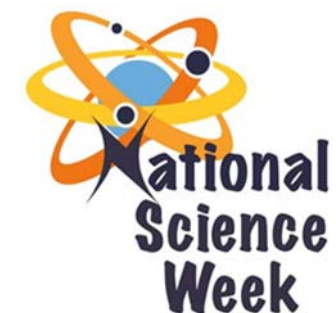


Casme

Province: KwaZulu Natal

Project implementation plan for Focus Week (1-8 August 2009)



Date	Venue	Description of activities	Target Audience	Enquiries	Bookings Enquiries
3 August 2009	Msinga Circuit Resource Centre	<ul style="list-style-type: none">• <i>Astronomy Activity: Making a Sundial</i> <p>Content: Learners and their educators will work in groups to build a simple sundial using paper plates, rods, rulers, protractors and other measuring instruments. They will calibrate the sundial using some basic experimental procedures. The activity links into the physical science and mathematics curriculum by drawing out knowledge in measurement, estimation and scientific method.</p> <p>Duration: 1.5 hours</p> <ul style="list-style-type: none">• <i>Curriculum Extension: Mathematics and Physics of Sundials</i> <p>Content: Having made their sundials, learners and educators will then explore the physical science and mathematical concepts that relate to this activity through a set of exercises. In particular the properties of Waves, Sound and</p>	Teachers and Learners	CASME Tel 031 2602508	Yes, by invitation

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		<p>Light which enable them to produce a working sundial will be explored. The other aspects relate to physical science and mathematics with respect to velocity, distance and time and the measurement thereof.</p> <p>Duration: 1.5 hours</p> <ul style="list-style-type: none"> • <i>Physics Games and Simulations</i> <p>Content: Using data projectors and open-source astronomy simulation software such as Celestia and Stellarium learners will be taken on tours of the Solar System.</p> <p>Using the SAAO 3D software learners will be taken on a tour of the South African Large Telescope.</p> <p>A number of interactive card and board games that quiz knowledge of the Universe and solar system.</p> <p>Outdoor games to simulate the distance between planets in the solar system.</p> <p>Duration: 1 hour</p> <ul style="list-style-type: none"> • <i>Careers Presentation</i> <p>Content: Presentation and discussion on the</p>			

Date	Venue	Description of activities	Target Audience	Enquiries	Bookings Enquiries
		<p>study routes to enter a career in astronomy, electrical/electronic engineering, and astrophysics amongst others.</p> <p>Presentation will include examples of careers paths not only as astronomers but also in engineering, computer sciences, systems development etc.</p> <p>This will be followed by a quiz with snap prizes.</p> <p>Duration: 1 hour</p>			
5 August 2009	Ndwedwe Circuit Resource Centre	<ul style="list-style-type: none"> • <i>Astronomy Activity: Making a Sundial</i> <p>Content: Learners and their educators will work in groups to build a simple sundial using paper plates, rods, rulers, protractors and other measuring instruments. They will calibrate the sundial using some basic experimental procedures. The activity links into the physical science and mathematics curriculum by drawing out knowledge in measurement, estimation and scientific method.</p>	Teachers and Learners	CASME Tel 031 2602508	Yes, by invitation

Date	Venue	Description of activities	Target Audience	Enquiries	Bookings Enquiries
		<p>Duration: 1.5 hours</p> <ul style="list-style-type: none"> • <i>Curriculum Extension: Mathematics and Physics of Sundials</i> <p>Content: Having made their sundials, learners and educators will then explore the physical science and mathematical concepts that relate to this activity through a set of exercises. In particular the properties of Waves, Sound and Light which enable them to produce a working sundial will be explored. The other aspects relate to physical science and mathematics with respect to velocity, distance and time and the measurement thereof.</p> <p>Duration: 1.5 hours</p> <ul style="list-style-type: none"> • <i>Physics Games and Simulations</i> <p>Content: Using data projectors and open-source astronomy simulation software such as Celestia and Stellarium learners will be taken on tours of the Solar System.</p> <p>Using the SAAO 3D software learners will be taken on a tour of the South African Large Telescope.</p> <p>A number of interactive card and board games that quiz knowledge of the Universe and solar</p>			

Date	Venue	Description of activities	Target Audience	Enquiries	Bookings Enquiries
		<p>system.</p> <p>Outdoor games simulating the distance between planets in the solar system.</p> <p>Duration: 1 hour</p> <ul style="list-style-type: none"> • Careers Presentation <p>Content: Presentation and discussion on the study routes to enter a career in astronomy, electrical/electronic engineering, and astrophysics amongst others.</p> <p>Presentation will include examples of careers paths not only as astronomers but also in engineering, computer sciences, systems development etc.</p> <p>This will be followed by a quiz with snap prizes.</p> <p>Duration: 1 hour</p>			
7 August 2009	Umgungundlovu FET Resource Centre	<ul style="list-style-type: none"> • Astronomy Activity: Making a Sundial <p>Content: Learners and their educators will work in groups to build a simple sundial using paper plates, rods, rulers, protractors and other measuring instruments. They will calibrate the sundial using some basic experimental procedures. The activity links into the physical science and mathematics curriculum by drawing</p>	Teachers and Learners	CASME Tel 031 2602508	Yes, by invitation

Date	Venue	Description of activities	Target Audience	Enquiries	Bookings Enquiries
		<p>out knowledge in measurement, estimation and scientific method.</p> <p>Duration: 1.5 hours</p> <ul style="list-style-type: none"> • <i>Curriculum Extension: Mathematics and Physics of Sundials</i> <p>Content: Having made their sundials, learners and educators will then explore the physical science and mathematical concepts that relate to this activity through a set of exercises. In particular the properties of Waves, Sound and Light which enable them to produce a working sundial will be explored. The other aspects relate to physical science and mathematics with respect to velocity, distance and time and the measurement thereof.</p> <p>Duration: 1.5 hours</p> <ul style="list-style-type: none"> • <i>Physics Games and Simulations</i> <p>Content: Using data projectors and open-source astronomy simulation software such as Celestia and Stellarium learners will be taken on tours of the Solar System.</p> <p>Using the SAAO 3D software learners will be taken on a tour of the South African Large</p>			

Date	Venue	Description of activities	Target Audience	Enquiries	Bookings Enquiries
		<p>Telescope.</p> <p>A number of interactive card and board games that quiz knowledge of the Universe and solar system.</p> <p>Outdoor games to simulate the distance between planets in the solar system.</p> <p>Duration: 1 hour</p> <ul style="list-style-type: none"> • <i>Careers Presentation</i> <p>Content: Presentation and discussion on the study routes to enter a career in astronomy, electrical/electronic engineering, and astrophysics amongst others.</p> <p>Presentation will include examples of careers paths not only as astronomers but also in engineering, computer sciences, systems development etc.</p> <p>This will be followed by a quiz with snap prizes.</p> <p>Duration: 1 hour</p>			