

INTERNATIONAL YEAR OF ASTRONOMY 2009

Project Implementation/ Calendar of Activities					
Grant Holder and Province	Project Title	Project Leader and Contacts	Project Activities/ Description	Dates and Venue	Target Audience
1. Fray Intermedia: Northern Cape and Gauteng	Stargazers and Scribblers	Birgit Schwarz Tel. 011 341 0767 Fax 011 325 2631 E-mail:bschwarz@frayintermedia.com	Stargazers & Scribblers Astronomy & Journalism Workshops , consisting of two streams <ul style="list-style-type: none"> • one for training astronomers in getting their message across to journalists and the other for training journalists in how to generate great astronomy stories 	14 July: SAAO 16 July: HartRao	Community and perhaps mainstream print and broadcast journalists in South Africa; Emergent science writers; Postgraduate journalism students.

<p>2. HartRao: Eastern Cape</p>	<p>Astronomy workshops</p>	<p>Anacletta Koloko Tel:(012) 326 0742 Fax:(012) 326 0756 E-mail:anacletta@hartrao.ac.za</p>	<ul style="list-style-type: none"> • School visits: Astronomy presentations and career talks, sky viewing, turntables and rocket launchers to demonstrate basic physics principles • Educator workshops 	<p>8 June – 12 June: Eastern Cape -Maluti district (morning) 9 June – 12 June: (afternoon) Maluti district hall</p>	<p>Learners from grade 4-12 on various days 3 high schools and 3 primary schools 100 grade 4-9 educators</p>
<p>3. Boyden Science Centre: Free State</p>	<p>IYA Education and Public programme</p>	<p>Tel. 051-4012924 E-mail: hoffmamj.sci@ufs.ac.za</p>	<ul style="list-style-type: none"> • Special learner even • Special multi media presentation at Volksblad at the Arts Festival • Astronomy exhibit at Sasol Techno X • Sponsored school visits to Boyden 	<p>09 July: Boyden 18 July: Volksblad Arts Festival 21 August: Sasol Techno X 16, 21, 22 October, 06 November 2009: Boyden Science Centre</p>	<p>Secondary school learners, Educational Community, sponsors and decision makers at 8 May special event, Primary school learners and General public</p>
<p>4. Astronomy Africa:</p>	<p>Travelling African Sky Lore Theatre and Telescope Viewing</p>	<p>Eckhart Piprek Tel. 011 679 1010</p>	<ul style="list-style-type: none"> • Late afternoon Astronomers & actors arrive at the venue, prepare the outdoor “stage” and set up the telescopes, • Audience (residents, friends, families with children young and old) arrive - picnic in the park, 	<p>5 June: Lonehill Park (direction)</p>	<p>Adults and scholars</p>

		<p>Fax. 011 468 1699</p> <p>info@astronomyafrica.com</p>	<ul style="list-style-type: none"> • Sunset (17h23) Performance of “The Hunter and the Daughters of the Sky God” , • Once dark (18h00) Introductory talk “What’s up in the Sky Tonight?” by Dr Chris Engelbrecht, • Into the evening: Night sky viewing (six telescopes): The stars, the Moon, Saturn, Jupiter and more ... 		
<p>5. Sci-Enza Science Centre: University of Pretoria</p>	<p>Creating Astronomy awareness</p>	<p>Rudi Horak</p> <p>Tel: (012) 420 2865</p> <p>Fax: (012) 420 4906</p>	<ul style="list-style-type: none"> • Excursion to HartRAO • Excursion to HartRAO • Science Café • Science Cafés • Science Cafés 	<p>13 July HartRAO</p> <p>14 July HartRAO</p> <p>1 July Sci-Enza & “Oom Gert se Plek” - Cafeteria on campus</p> <p>12 August Sci-Enza & “Oom Gert se Plek” - Cafeteria on campus</p> <p>17 September (dates to be confirmed) Sci-Enza &</p>	<p>Teachers Tshwane South Region By invitation</p> <p>Grade 11 learners 60 selected learners from 3 schools</p> <p>UP with Science learners Students Open to public and students</p> <p>UP with Science learners Student Open to public and students</p> <p>UP with Science learners Students</p>

			<ul style="list-style-type: none"> • Lunch Hour films • Astronomy Handouts 	<p>“Oom Gert se Plek” - Cafeteria on campus</p> <p>Every Wednesday 22 July – 18 September Sci-Enza Auditorium</p> <p>May - November Distributed in Sci-Enza</p>	<p>Open to public and students</p> <p>Students Learners Public Open invitation</p> <p>Visitors to science centre</p>
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<p>6. Moipone Academy</p>	<p>Public understanding of Astronomy</p>	<p>Joseph Taetsane Tel. 082 797 8898 moiponeacademy@telkomsa.net</p>	<ul style="list-style-type: none"> • Screen play on the topic: The Universe • Screen play on the topic: The Universe • Screen play on the topic: The Universe • Screen play on the topic: The Universe • Screen play on the topic: The Universe • Screen play on the topic: The Universe • Screen play on the topic: The Universe • Site visit on the topic: Sky observations • Screen play on the topic: Exploring the Star- Sun • Site visit on the topic: Eclipse 	<p>09 June: Zitikeni Secondary School in Tembisa</p> <p>11 June: Thuto ke Maatla Secondary School in Tembisa</p> <p>16 June: Inqayisivele Secondary School in Tembisa</p> <p>18 June: Eqinisweni Secondary School in Tembisa</p> <p>23 June :Tembisa High school</p> <p>24 June: Masiqhakaze Secondary School in Tembisa</p> <p>25 June: Tembisa West Secondary School in Tembisa</p> <p>15 July: Johannesburg Observatory</p> <p>22 July: Ikhayalothando Hall in Tembisa</p> <p>29 July: Johannesburg Observatory</p>	<p>Learners, graduates, Post Graduates and General Public</p>
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			<ul style="list-style-type: none"> • Lecture by Claire Lee (Masters student at University of Johannesburg), on the Life cycle of stars • Site visit on the topic: The Solar System • Lecture by Brian Fraser or Alec Jamieson from ASSA- Johannesburg, on the topic: 400th Anniversary of Galileo • Site visit to HartRao on the topic: Understanding Astronomy • Lecture by Prof. DP Smits on Astronomy • Site visit on Sky Observations 	<p>06 August: Ikhayalothando Hall in Tembisa</p> <p>12 August: Johannesburg Observatory, Wits University</p> <p>19 August: Ikhayalothando Hall in Tembisa</p> <p>26 August: HartRao</p> <p>09 September: UNISA</p> <p>16 September: Johannesburg Observatory</p>	
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<p>7. University of Limpopo:</p>	<p>IYA</p>	<p>Sandile Rikhotso</p> <p>Tel:(015) 2683099 /2756/3519 0832499572 sandiler@ul.ac.za potgietera@ul.ac.za</p>	<ul style="list-style-type: none"> • Outreach to schools: Stellerium and Celestia show, posters, telescope and Star lab Exhibitions. Information pamphlets and career booklets will be given to school learners and educators. Science centre staff. • Outreach to schools: Stellerium and Celestia show, posters, telescope and Starlab Exhibitions. Information pamphlets and career booklets will be given to school learners and educators. Science centre staff • Outreach to the Mall-Starlab exhibition. Telescope and Poster exhibition. Information pamphlets and career booklets will be given to participants. • Workshop for Primary school Learners on Solar system with people and scale model of the universe. Information pamphlets and career booklets will be given to participants. 	<p>19 August: at 13:00-15:30 Pula Madibigo Primary school</p> <p>20 August: 13:00-15:30 Doasho Secondary School</p> <p>29 August: 9:00-13:00, Tzaneen Mall</p> <p>14 September: 14:00-15:30 University of Limpopo science centre</p>	<p>200 grade 6-7 learners and educators</p> <p>Grade 8-12 learners and educators 200 learners and 7 educators</p> <p>General public, grade 10-12 learners and educators, University physics students and lecturers.</p> <p>General public, grade 10-12 learners and educators, University physics students and lecturers.</p>
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			<ul style="list-style-type: none"> • Workshop for High school Learners on building a Sundial, where learners will be observing the stick shadows over the course of the day and plot positions every 30 minutes. Information pamphlets and career booklets will be given to participants. 	<p>21 September: 15:00-16:30 University of Limpopo Science Centre</p>	General public
			<ul style="list-style-type: none"> • Outreach to schools: Stellerium and Celestia show, posters, telescope and Starlab Exhibitions. Information pamphlets and career booklets will be given to school learners and educators. 	<p>22 September: Mamabolo primary school</p>	Grade 6-7 learners
			<ul style="list-style-type: none"> • Outreach to the Mall, Starlab exhibition, Telescope and Poster exhibition. Information pamphlets and career booklets will be given to participants. 	<p>03 October: Savannah Mall</p>	General public
			<ul style="list-style-type: none"> • Outreach to schools: Stellerium celestia show, posters, telescope and Starlab Exhibitions. Information pamphlets and career booklets will be given to school learners and educators. 	<p>14 October: Hwiti high school</p>	Grade 6-7 Learners and educators

			<ul style="list-style-type: none"> Public lecture on Physics behind Astrophysics by Kevin Govender. Starlabd exhibition, information pamphlets and posters to be handed out. Night sky viewing using a telescope. Public lecture on Physics behind Astrophysics by Kevin Govender. Starlabd exhibition, information pamphlets and posters to be handed out. Night sky viewing using a telescope. Outreach to the Mall, Starlab exhibition, Telescope and Poster exhibition, Information pamphlets and career booklets will be given to participants. Workshop for educators on why do balloons float and other aspects of Newton's Laws Science centre staff Outreach to the Mall, Starlab exhibition, Telescope and Poster exhibition, Information pamphlets and career 	<p>15 October: 09:00-17:00 University of Limpopo</p> <p>16 October: University of Venda</p> <p>17 October: 9:00-17:00: Venda Shopping Complex</p> <p>21 October: University of Limpopo Science Centre</p> <p>24 October 9:00-17:00 Bela Bela Shopping Centre</p>	<p>General Public, learners of grades 10-12 and educators including university students.</p> <p>General Public, learners of grade 10- 12 and educators including university students.</p> <p>General Public</p> <p>Educators</p> <p>General Public</p>
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			<p>booklets.</p> <ul style="list-style-type: none"> • Outreach to the Mall, Starlab exhibition, Telescope and Poster exhibition. Information pamphlets and career booklets will be given to participants. 	<p>31 October 9:00-17:00 Masingita Mall</p>	<p>General public</p>
<p>8. Soutpansberg Astronomy Club:</p>	<p>Limpopo Astronomy Outreach</p>	<p>Kos Coronaios</p>	<p>Programme:</p> <p>An astronomy display will be set-up at the various venues consisting of the following:</p> <p>A telescope with a solar filter to view the Sun, alternatively a projection of the solar disk will be shown.</p> <p>During the evening the view through the telescope will be shown on a big screen. This will be projected images of the Moon, whichever planets are visible (Saturn, Jupiter etc.) and various other deep sky objects. Open and globular clusters will be shown as well as the brighter of the emission or diffuse nebula. Information on these will be available and handed out.</p> <p>Viewing through the telescope will also be available and while this is in progress</p>	<p>27 June: Tshipise, Masisi, Pafuri and Tshikondeni areas.</p> <p>4 July: Lephalale.</p> <p>31 July: Elim.</p> <p>6th, 7th, and 8th of August at the Letaba Show</p> <p>19th and 20 August: Vaalwater</p> <p>28- 29 August: Musina.</p> <p>August: Mvelelo Spring Show, Louis Trichardt (date to be confirmed)</p> <p>17th September: Mitchell House science</p>	<p>Local population</p>

			<p>various astronomy presentations on the big screen will be shown.</p>	<p>expo in Polokwane on the</p> <p>27 September: Vivo and Blouberg.</p> <p>3 October: Polokwane.</p> <p>16 October: Univen 22 October: Univen 23- 24 October: Makhado Crossing</p> <p>1 November: Tzaneen.</p> <p>28 November: Mokopane.</p> <p>2 December: Louis Trichardt</p> <p>20 December: Louis Trichardt.</p>	
<p>9. Northern Flagship Institution</p>	<p>Tswaing Meteorite Crater Museum</p>	<p>Julia Barnes Tel. 012 332 7632</p>	<ul style="list-style-type: none"> • First oral history plays and poems are dramatised for the community at Tswaing. • Plays performed to various community groups. 	<p>03 October</p> <p>September- January 2010</p>	<p>Community surrounding Tswaing.</p> <p>Visitors to Tswaing: including schools and tertiary level education institutions.</p>

<p>10.STERS Club Science Technology Environmental Rockey and Space Club.</p>	<p>Public awareness-IYA</p>	<p>G.DJAN Tel. 018 293 0394 gdjan@hotmail.com</p>	<ul style="list-style-type: none"> • Night Sky watching (presented) by Astronomy Africa) • Trip/Tour to Vredefort Dome Heritage Site • High School Astronomy quiz • Astro Expo [You are all invited to display your Astronomy or any astronomy, space, rockets , books etc products] Call : Mpho at 018 299 4236 or 0825588349/ 0848931121 for enquiries and bookings • Night sky watching • High School Astronomy quiz finals 	<p>24th July Potchefstroom-Tlokwe secondary school Hall. Northwest</p> <p>22nd August Vredefort Dome</p> <p>4th to 29th August Potchefstroom university science centre</p> <p>5th September Potchefstroom Trim Park. Northwest</p> <p>18th September Potchefstroom Science centre.</p> <p>4TH to 25th October Potchefstroom university science centre 14 November: Potchefstroom Town Hall</p>	<p>Grade 7-9 and parents</p> <p>Learners grade 7-12 and educators Departure from Potchefstroom-7.a.m</p> <p>High school learners Grade 9.</p> <p>Learners, Educators, Graduates, Businesses The public</p> <p>High school learners Grade 10-12</p> <p>Leaders, Principals, Politicians, Business people</p>
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<p>10. National Museum:</p>	<p>Astronomical Tours</p>	<p>Tebogo Fairbeamisus Sydney</p> <p>Tel. 051 44 79 609</p> <p>Fax. 051 447 62 73</p> <p>tebogo.mohlakane@nasmus.co.za</p>	<ul style="list-style-type: none"> • Astronomical Tours in the lawns of Oliewenhuis Art Museum • Astronomical Picnic: Stargazing night at Oliewenhuis (will include a talk by a presenter from Boyden Observatory). 	<p>15 October: Oliewenhuis Art Museum</p> <p>16 October: Oliewenhuis Art Museum</p>	<p>School groups 'touring' the exhibited planets in the lawns of museum</p>
<p>11. SSMTE</p>	<p>Astronomy Interactive Garden</p>	<p>DR Govender Nadaraj</p> <p>Tel. 031 2603416</p> <p>Govendern37@ukzn.ac.za</p>	<p>UKZN develops an astronomy interactive garden to ensure that astronomy is experienced and learnt through an exciting process where visitors (staff, students, school children and general public) who visit their campus can stroll through the garden situated at the entrance of our Edgewood Campus and learn the basics of the Solar System and explore astronomical ideas further.</p> <p>Students and learners write a paper. An exciting oral quiz to be held with awards.</p>	<p>April-May-June</p>	<p>Disadvantaged teachers –Zulu culture-Xhosa - schools</p> <p>Disadvantage learners –Zulu-Xhosa- students</p>

12. SAASTE/SSMTE	SAASTE National Astronomy Olympiad	Dr Nadaraj Govender Tel. 031 2603416 Fax 031 2603697 Govendern37@ukzn.ac.za	<ul style="list-style-type: none"> • Olympiad Exams- (may run concurrently with the current National Science Olympiads). • Awards Day 	Sept or Oct 20-25 November: UKZN Edgecombe Campus	Mostly disadvantaged teachers nationally schools and public Mostly disadvantage learners –from all cultures, languages and regions, urban and rural Tertiary students
13. OLD Mutual MTN Sciencentre:	IYA	Allison Ruiters Tel. 031 566 8040 aruiterss@gatewayworld.co.za	<ul style="list-style-type: none"> • Learner and educator workshops • Public programme: interaction with StarLab planetarium exhibition, telescope viewing, talk by the Astrophysics and Cosmology Research Unit of the UKZN. 	16 September, 3-4 October, 6-12 October, 29 October 2009: OLD Mutual MTN Sciencentre	OLD Mutual Staff, NSTF volunteers, Grades 4-7 learners and educators, Public
14. Unizul Science Centre: Derek Fish	Exploring the universe, a better understanding	Derek Fish/ Mdumiseni Nxumalo Tel 035 797 3204 zwide@webmail.co.za	<ul style="list-style-type: none"> • Science shows, special exhibits, workshops, evening sky viewing through telescopes 	7, 8, 9, 15 September and October: Unizul Science Centre	School pupils, teachers and general public
15. Olwazini Discovery Centre	Olwazini Astronomy Project	Sithembile Duma	<ul style="list-style-type: none"> • Visits to Primary schools (Astronomy based activities) in the morning, primary school teachers' 	17 August: Olwazini	7-20 Year old learners, Adults

		<p>Tel. 033 395 8230</p> <p>olwazini@goldenhorse.co.za</p>	<p>workshop in the afternoon</p> <ul style="list-style-type: none"> • Visits to High schools in the morning, educators' workshop in the afternoon • Public exhibition during the day, star gazing in the evening 	<p>18 August : Olwazini</p> <p>19 August: Olwazini</p>	
<p>16. SKA: Kim De Boer</p>	<p>Starry Nights</p>	<p>Tel. 011 442-2434</p> <p>Fax 011 442-2454</p> <p>kdeboer@ska.ac.za</p>	<p>Three outreach events:</p> <ul style="list-style-type: none"> • Popular astronomy talks followed by a community science café • Updates on MeerKAT and SKA projects • Handing out of educational materials (Mission MeerKAT cartoons and solar wheels) 	<p>September – October (one each in Carnarvon, Williston, Van Wyksvlei):</p>	<p>Community leaders, educators, learners and general public in the three rural towns listed above.</p>
<p>17. Iziko Planetarium</p>	<p>Solar System Board Game</p>	<p>Margie Walter Tel. 021 4813800 (Iziko) Tel. 021 4813900 (Iziko Planetarium) Tel. 021 4813927 mwalter@iziko.org.za</p>	<ul style="list-style-type: none"> • This is an A3 board game, based on the Solar System and played like snakes-and-ladders. It is filled with up-to-date astronomical information about the Solar System and its planets – a way for primary school children to have fun and learn at the same time. The board game will be distributed, free of charge, to primary school groups who visit the 	<p>Iziko Planetarium</p>	<p>English, Afrikaans and Xhosa speaking primary school groups who visit the Iziko Planetarium.</p>

			Iziko Planetarium and will be available in English, Afrikaans and Xhosa (3000 each language).		
18. MTN Science Centre:	The universe, yours to discover	<p>Busi Maqubela Tel. 021 529 8100</p> <p>Fax. 021 529 8179</p> <p>busi.maqubela@mtnsciencentre.org.za</p>	<ul style="list-style-type: none"> • Intermediate phase educator workshop. Presenter • Senior phase educator workshop. Presenter TBC • FET educator workshop. Presenter TBC • School visits. • General public event 	<p>30 May 2009.</p> <p>6 June</p> <p>13 June</p> <p>1 June - 4 June</p> <p>8 July</p>	<p>Educators for workshops</p> <p>Educators for workshops</p> <p>Educators for workshops</p> <p>Learners</p> <p>General public</p>

19. Iziko Planetarium	Outreach programme	Themba Matomela Tel. 021-4813929 tmatomela@iziko.org.za	<ul style="list-style-type: none"> • Astronomy and indigenous Astronomy talks by T. Matomela • Indigenous knowledge by S.Haarmans • Storytelling by T. Matomela • Palaentology by N. Engelbreght • Biodiversity by P. Haarhof • Indigenous games by T. Matomela 	20 th March 26 th June 25 th September 27 th November	Learners, teachers and members of community
20. University of the Western Cape	Astronomy and space science	Enrico Olivier eolivier@uwc.ac.za	<ul style="list-style-type: none"> • Interactive Astro and Space display • General public talk • Night sky viewing 	April July September	University students, learners, educators and public
21. SAAO	Langa astronomy project	Sivuyile Manxoyi Tel. 021 4470025 Fax. 021 4473639 sivuyile@saao.ac.za	<ul style="list-style-type: none"> • School visits, earth and Beyond activities for learners (Telescopes, Rockets, Satellites, Solar system etc • Primary Educators focusing on new methodologies and approaches of teaching earth and beyond • Public exhibition, talk and stargazing in the evening 	SAAO: 05-09 AND 12-15 OCTOBER 10 OCTOBER 16 October	Grades7, 9 and 11 learners Educators Public

			<ul style="list-style-type: none">• Street Astronomy	19-23 October	Public
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