

Education Reports on a variety of issues from a number of places

Tata Steel Zoological Park

Campaign for protecting climate and environment

Various hypotheses for human-induced climate change have been argued for many years. Presently the scientific consensus on climate change is that human activity is very likely the cause for the rapid increase in global average temperatures over the past several decades. Consequently, the debate has largely shifted onto ways to reduce further human impact and to find ways to adapt to change that has already occurred.

Of most concern in these anthropogenic factors is the increase in CO₂ levels due to emissions from fossil fuel combustion, followed by aerosols (particulate matter in the atmosphere) and cement manufacture. Other factors, including land use, ozone depletion, animal agriculture and deforestation, are also of concern in the roles they play – both separately and in conjunction with other factors are affecting climate.

Unsustainable consumption patterns of the rich industrialized nations are also responsible for the threat of climate change. Only 25% of the global population lives in these countries, but they emit more than 70% of the total global CO₂ emissions and consume 75 to 80% of other resources of the world. In per capita terms, the disparities are also large: an Indian citizen emits less than 0.25 tons of Carbon per year whereas a citizen of the USA for example, emits more than 5.5 tons. Scientist's worldwide have emphasized the need for an equitable and efficient solution to climate change and suggest that efficiency can be obtained through a system of tradable emission quotas and equity through equal allocation of global environmental space to all human beings. These findings were also well received by developing countries and are echoed in the



Bharat Scouts & Guides students marching on rally holding banners & placards and chanting save environment slogans

UNFCCC, which recognized the rights of developing countries to economic development and also the "common but differentiated responsibilities" of different countries.

Indians should be concerned about climate change since this phenomenon might have substantial adverse impacts on them. Not all possible consequences of climate change are yet fully understood, but

three main 'categories' of impacts are those on (i) agriculture, (ii) sea level rise leading to submergence of coastal areas, and (iii) increased frequency of extreme events.

Each of these poses serious threats to India; however, these are long term issues. The overriding immediate concern for India should be the fast pace at which negotiations are taking place on the climate front. India's



main energy resource is coal. With the threat of climate change, India has been called upon to change its energy strategy based on coal, its most abundant resource, and to use other energy sources (e.g. oil, gas, renewable and nuclear energy) instead, which may turn out to be expensive. Thus, an immediate issue is to come up with a better negotiation strategy such that we have more freedom to decide which type of energy we use, how we generate power, how to reduce methane emissions by agricultural practices or forestry and so on. Negotiations are important for us as a means to reduce or postpone future vulnerability by getting the developed countries to reduce their emissions.

Keeping in view of the current development worldwide, the Tata Steel Zoological Park in association with the Bharat Scouts and Guides organized a day long campaign for a cleaner and greener Jamshedpur and India on 1 November 2009. One-hundred-and-fifty students drawn from schools in the city, their teachers and officials of the Society took a 3km walk inside the Jubilee Park campus to generate awareness among the morning walkers, joggers and the general public on the ways and means to stop carbon emissions, plant more trees and conserve the nature fauna of the Park. Later in the day the students were provided with a questionnaire "Living with climate change" - an evaluation form for gauging their general knowledge on climate and factors that are influencing its change. Masks provided by the Zoo Outreach Organisation were also provided to the students.

We are thankful to our sponsors Mr. K.N. Venketachallam and Zoo Outreach Organisation for helping us organize this small initiative.
Submitted by Prabhat Pheri and S.K. Mahato, Tata Steel Zoological Park, Jamshedpur, Jharkhand.
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Report of 55th Wildlife Week celebrations at Gulab Bagh Zoo, Udaipur, Rajasthan

The fifty fifth Wildlife week celebrations were started on Oct.1, 2009 at Gulab Bagh Zoo in Udaipur city. Many pre-celebration news were release in the media to inform public. Letters were sent to schools about various activities etc. NGOs were also involved in various activities. The theme for the wildlife week celebration was "Live with Nature". A brief note about seven day's activities is as follows:

Oct 1, 2009: On the very first day, a cycle rally of students, nature lovers and forest officials holding written slogans in their hands about nature conservation, started in the morning at about 8.00 am from Chetak circle and reached about 9.00 am in Gulab Bagh premises. Inaugural session as completed under the Chairmanship of Dr. N.C. Jain, Chief Conservator of Forest (Wildlife) Udaipur. Sh. Raghuvveer Singh Meena, Member of Parliament, Udaipur, was the chief guest of the function. A logo for the wildlife theme "Live with Nature" was unveiled by honorable Chief Guest. During inaugural ceremony, message of Indian Prime Minister, Sh. Manmohan Singh was read out to inspire children and society to conserve rich nature heritage of India. After this, treasure hunt competition was held in Gulab Bagh, Zoo for two groups, namely, class 1 to 3 & 4 to 5. As many as 219 students participated in the event. Poem writing competition was held for class 8 to 12 in second session. Total 48 students participated in this competition.

Oct 2, 2009: Nature excursion was conducted in Sajjangarh WLS, Jaisamand WLS & Nature Park Baghdarrah. Students were taken to there nature resources and knowledge about fauna flora eco-system and management aspects of PA's was imparted. A total of 173 students & teachers participated in this event. From 6.30 to 8.30pm Green Theater performance was completed at four places, namely, Charbhuj Mandir, Bedla; Amal-ka-Kanta; Shivratti house, Ganesh Ghati and



Students exploring biodiversity during nature walk

Pipli Chowk, Dewali with the help of Sikshanter, a leading NGO of the city.

Oct3, 2009: During early morning, a nature walk was organized in Neemach Mata Forest Block with the help of Jagran Jan Vikas samiti, (NGO) keeping medicinal importance of plants in focus. As many as 43 participants were present there. At 9.00am essay writing in Hindi and English was organized at Fateh Senior Secondary School, Udaipur. In total 176 students participated in the competition. In the evening, a film show was organized in Vidhya Bhawan auditorium about nature conservation. A good gathering of nature lovers from the city viewed the film.

October 4, 2009: From 6.30 to 8.00am a nature walk with bird watching (Pakshi Darshan) was conducted from Jal Burjh to Sitamata Nursery at the bank of Pichola lake. 33 bird lovers participated in the event. From 9.00 to 12.00am a quiz competition was held in Suchna Kendra building at the heart of the city. Teams from fourteen schools participated in the event. At about 7.00pm to acquaint the people with super natural power of

nature, spiritual retreat, having theme of 'moon meditation for nature appreciation' was organized in Suchna Kendra auditorium with the help of "Art of Living" people.

Oct5, 2009: Like other days, fifth day was also eventful. From 6.30 to 8.00am a "Nature walk with Biodiversity" was conducted at Machla Magra Nature Trail with the help of Jagran Jan Vikas Samiti an NGO of the city. From 10.00 to 12.00am group song competition was held at Alok Senior Secondary School, Hiran Magri, Sec. no. 11, From 7.00 to 8.00pm a nature film by BBC, educative for children and families was screened with the help of M.S. Memorial Trust, Udaipur.

Oct6, 2009: A nature walk was conducted at Banki Forest Research Farm from 7.00 to 8.00 am in the guidance of Dr. Satish Kumar Sharma. From 9.00 am to 11.00am spot painting competition was conducted in St. Pauls Senior Secondary School for class 3-5, 6-8 & 9-12. As many as 965 students participated in this event. From 6.00 to 8.00 an eco-workshop and nature camp was organized in Vidhya Bhavan Auditorium with the help of M.S. Memorial Trust.

Oct7, 2009: The last day of the week witnessed a cycle rally of school children, with nature & wildlife slogan banners with them. The rally has more than 50 school children. The rally was flagged off by Sh. Pradeep Vyas, IPS, IG (Police) Range Udaipur & Dr. N.C. Jain, IFS, Chief Conservator of Forest (Wildlife) Udaipur from Mohata Park at 2.30pm. The rally ended at Gulab Bagh Zoo where the closing & prize distribution function took place. The function was presided Dr. N.C. Jain, IFS, Chief Conservator of Forest (Wildlife) Udaipur and the chief guest was Sh. Pradeep Vyas, IPS, IG (Police) Range Udaipur.



Student's cycle rally for conservation of nature

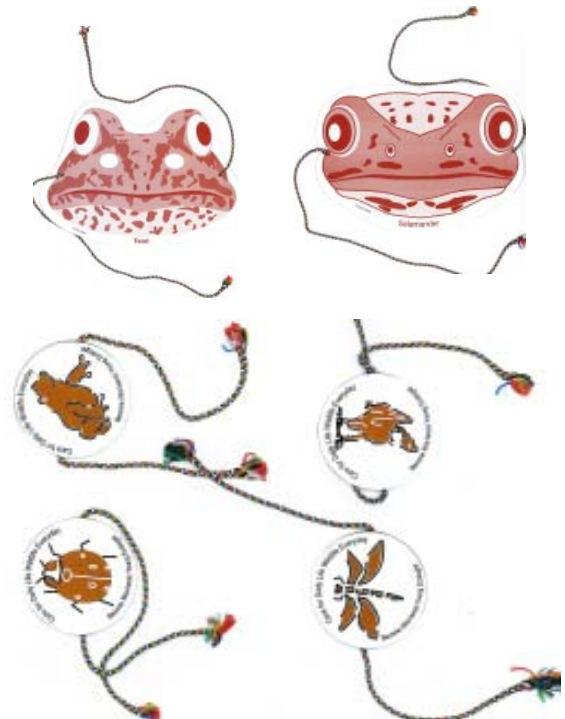
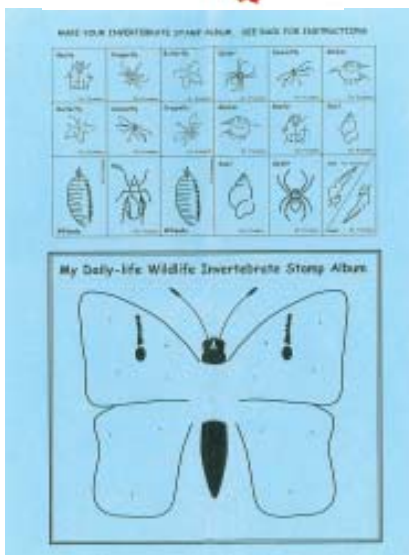
The Wildlife week celebration gave a grand success and the whole replace for the celebrations were met with the financial support from the following corporate/donor agencies:

1. India Showbis Network Ltd. Udaipur
2. R.K. Marbles Pvt. Ltd., Udaipur
3. Wolkam India, Udaipur
4. Ratnesh Enterprises, Udaipur
5. Chetak Trust, Udaipur

Submitted by Rahul Bhatnagar, Deputy Chief Wildlife Warden, Udaipur, Rajasthan.



Chief Guest distributing prizes & certificates to competition winners



Human Elephant Coexistence: Living with Elephant. Monthly Conservation Achievements (December), Bardia, Nepal

Of living terrestrial mammals elephant is a largest animal. From time immemorial elephants dwelled in the huge territory and we human used this giant animal in different activities that myriad of labor could not do. There are lots of story and myth based on elephants in our cultural and historical books. It seems very helpful for our daily work and as an entertainment. Unfortunately, at present population of elephants are decreasing with the loss of its habitat, food and illegal poaching for smuggling. On the other hand it also create dispute with the local inhabitants as it often destroy the crops, property and even human casualties.

Government and non government organization invested their resources and effort to control the illegal poaching and conflict rose among the local inhabitants but cannot achieve remarkable progress for the conservation of this giant mammal. Populations of elephants are plummeted year by year and human settlements around its habitats and corridor become critical. By reminding these practical phenomena, our team organized the conservation awareness program in the local level around the Bardia National Park to maintain the friendly environment between human and Elephant co-existence. The activities conducted during this period are presented below.

1. Youth Based Conservation Awareness Campaign:

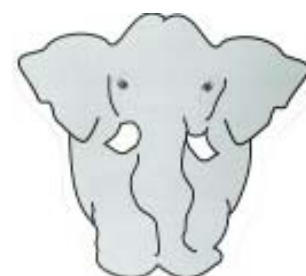
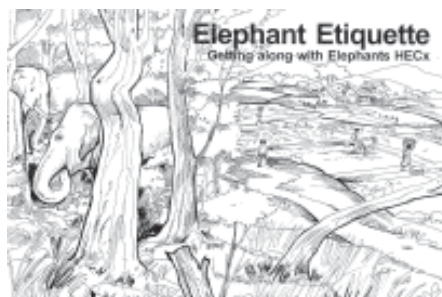
6th December 2009. One day youth based conservation awareness program was organized at Shree Nikunja Secondary school among the 35 youths of Shivapur-7, living contiguous to the Bardia National park. The program was focused on the way of minimizing elephant and human conflict around the park boundary. Mr. Diplal Kandel, Chairperson of Shivapur User committee and the three game-scouts of Bardia



Shree Nikunja Secondary School Students playing elephant habitat loss game wearing elephant masks and head-band



Students and teachers posing with Ele-kit materials



National park were also participated. At the closing of program, habitat loss game was also played to convey the message of habitat conservation of endangered species. The sessions were facilitated in participatory approach by Mr. Basudev Bhattarai, Eco teacher of Jagadamaba Higher Secondary School (JHSS), Mr. Krishna Prasa Bhattarai, Eco teacher, Nepal Rastriya Lower Secondary School (NRLSS) and Mr. Nilkantha Kandel, Program officer of Buffer Zone Management Committee (BZMC).

2. Women Engagement

Program:

2nd December, 2009. Human Elephant coexistence and conflict resolution alternatives were shared with the women conservation volunteers, who actively involves in the conservation of buffer zone around Bardia National Park. The program was organized at the Jungle Heaven Hotel, Thakurdwara. Fifteen women conservation volunteers living in the 10 VDCs of buffer zone were actively participated in the orientation program. Sessions were focused on precautions on how to save from wild elephants living near to its habitats, good and worse behaviour with wild elephant and how are poachers used local peoples? etc. Participants showed their commitments to transfer acquired knowledge and skill on human and elephant co existence among their group members. It was facilitated by Mr. Basudev Bhattarai (Eco teacher, JHSS), Krishna Prasad Bhattari (Eco teacher, NRLSS) and Nilkantha Kandel (program officer, BZMC).

3. Human Elephant Co-existence Rally and Exhibition:

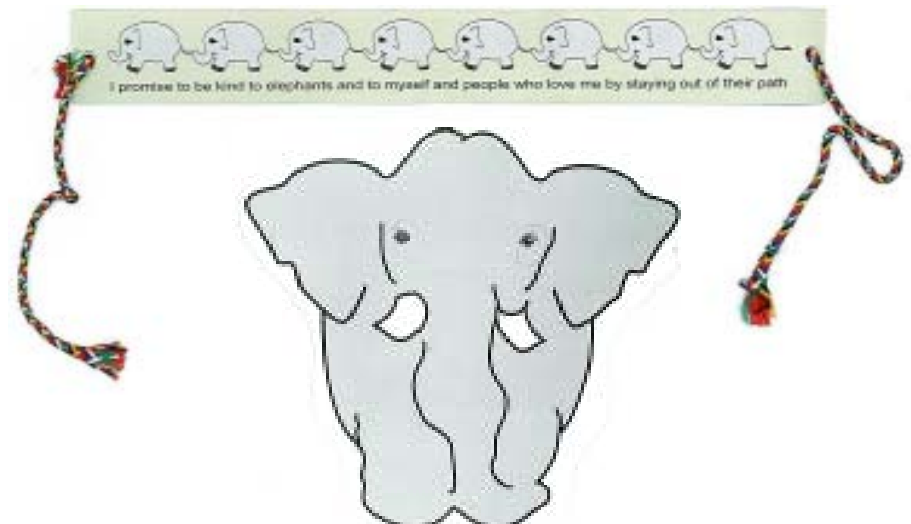
30 Nov- 3 Dec, 2009. Sustainable management of human and elephant coexistence is an emergent issue that can be settled down only with the wise action and devotion of human beings towards nature conservation. It is an umbrella species of terrestrial ecosystem where as human being is another



Women conservation volunteers playing an activity on HECx



Facilitators with women group



component of this ecosystem so it has a right to survive in this planet equal as human beings. It is an integral part of our culture, tourism, business, literature, sports and entertainment. To reminding these facts, 5 days conservation rally and exhibition were organized in the auspicious occasion of International Elephant Polo games in the Tiger Tops Hotel of Bardia National Park with active involvement of eco club members of Jagadamba HSS. Conservation stall and rally were keenly observed by the 12 player teams joined from different countries and more than 5,000 observers from the different villages of Bardia districts. Mr. Basudev Bhattarai, Nilkanta Kandel, Krishna Parsad Bhattarai, Pardeshu chaudhary and Pursotam Pandey were actively involved for the conservation awareness during the sport period.

4. Exposure Visit:

3rd December, 2009. One day exposure visit in the visitor center and Hattisar of Bardia National Park were organized among the 45 students of Shree Jagadamba Higher Secondary School and Nepal Rastriya Lower Secondary School, Thakurdwara with aim of conservation awareness on Asian Elephant. Mr. Basudev Bhattarai and Mr. Nilkantha Kandel described on difference between the Asian Elephant and African Elephant by showing the body parts and behavior of Asian Elephant. Similarly Eco teacher of Nepal Rastriya Secondary School – Krishna Prasad Bhattari played the Elephant conservation drama. Champions of 28th international elephant polo game Mr. Chadraman Tamang also shared his experiences on elephant polo and training with the students.

5. Elephant Quiz Contest:

8th Dec 2009. Inter school quiz contest was conducted with the aim of conservation awareness on human elephant coexistence at Jagadamba Higher Secondary School, Thakurdwara, Bardia. Seven student teams



Live demonstration of Asian Elephant's characteristics to the students at Bardia NP Hattisar



Students enjoying their visit to Hattisar

participated from the seven lower secondary school situated at the adjoining of Karnali floodplain. The quiz context was basically focused on Asian Elephant and its conservation. This program was jointly organized by Eco teachers of two schools, Mr Basudev Bhattarai and Mr. Krishna Prasad Bhattarai and Program officer of BZMC, Mr. Nilkantha Kandel.

6. Publication:

An active eco teacher of Jagadamba Higher Secondary

School - Basudev Bhattarai published his conservation article on ***Role of Elephants for the human culture, literature, religion, sports and tourism*** in the Bardia express newspaper, a famous local newspaper of Bardia having 2000 regular reader. More than 300 copies of this article were also distributed to the key visitors of the International Elephant Polo.

Submitted by Basudev Bhattarai & Rabin Kadariya, Bardia, Nepal. Email: rkadariya@yahoo.com

Workshop of Rachana Eco-Club on monkey Manners

A workshop on Monkey Manners was organized by Eco-Club of Rachana Vidyalaya run by Maharashtra Samaj Seva Sangh, Nashik Mr. Vijay Dongre, vice-president, Mr. Digambar Gadgil working committee member of M.S.S.S. and well-known friend of Birds, Mrs. Mangal Dhadankar, Head-mistress, Mr. Yuvraj Nikumbh, Supervisor, the guests of honour inaugurated the programme.

The beginning was made by tying Rakhi by girls to their counterpart. This workshop was arranged in accordance with ZOO, the environment caring institute from Coimbatore. The objective of this institute is to make known the importance of animals in ecology. Every year Rachana Eco-Club organizes such workshops. For this workshop titled 'Monkey

Manners' kits were provided by the ZOO sufficiently. Mr. Gadgil said that monkeys are always considered as nuisance especially in city areas but they do some useful work in jungle. They warn the dangers by making typical sound and alert other animals. Monkey eats fruits, wander everywhere and spread the seeds.

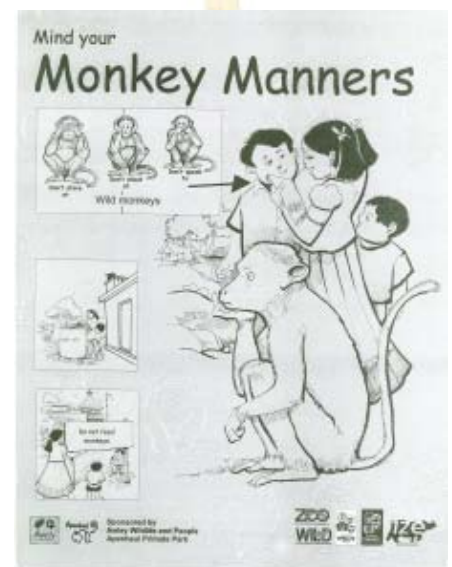
In the second session Mr. Rahalkar (Wildlife expert) introduced monkeys that are found in the area of Nashik district where Bonnet and Rhesus monkeys are found in Trayambakeshwar and Saptashringi Garh area. Reducing numbers of forest compels monkeys to come into cities and give trouble, so let the monkeys live their natural life. At this occasion a short-skit was

presented. The message was to protect the monkeys. Rohit Mahale wrote it and Dishant, Aniket, Anay, Amey played the roles.

At the end M.S.S.S. President Mr. Chandrakant Dhamne, Vice-President Mr. Vijay Dongre, Secretary Mr. Sudhakar Sali, Joint Secretary Mr. Shantaram Ahire, Treasurer Mr. Niranjana Oak gave their compliments for the success of workshop. Mrs. Agnihotri anchored this programme. Mr. Nilesh Thakur welcomed and introduced the guests. Mr. Khushwant Patil proposed a vote of thanks. Mrs. Takalkar, Mr. Masal helped to arrange the programme by preparing illustrations. **Report by Mrs. Agnihotri, Rachana Vidyalaya, Nashik, Maharashtra. Email: unawanehemant@gmail.com**



Students performing a skit on mind your "Monkey Manners"



REPORT OF OASIS Activity for 2009

This year OASIS had tied up with Rotary Club and worked with schools on Global warming and climatic change and the inconvenient truths of the same. Activities that were held were as follows: Second week of September—orientation to college interns of IES college for scripting, preparing a PowerPoint and training a set of students on GLOBAL WARMING THE LAST WARNING for getting them to present at the LEELAS hotel (Report of Ms AtilaD'Souza). Presentation of the skit at the Leela's. Third week of December-activity with school students on the Global warming with Zoo Outreach materials, orientation, practice at school, practice at venue and public performance at Carter Road,Bandra. Activity by sterling college students at a school with inputs from Zoo Outreach materials.

"GLOBAL WARNING THE LAST WARNING" event was held on the 13th of September in Andheri, at the Leela's. There were around 300 people. Once the children arrived, in those fractions of 5min (I mentioned fraction because the world at that time seemed to be really very small and tensed) everything was put to place. We had them informed that the music wasn't playing so they themselves will have to give the effect..... Many of the props were missing so they will have to adjust for the same....there is time constraint (no time actually) so make it fast..... and so on. (However to place on records, they didn't have that single moment of frustration neither irritation on their faces....an act I personally would immensely like to appreciate).

Ms. Harsha started off with those few words on global warming and there were we already engrossed in something that so naturally came to us like as if we have been doing this for years. In one line if I had to mention - At every change of slide there one heart beat put back to place!! This is where I would like to place my thanks to



Students public performance creating awareness on Global warming



Students activity at the National conference on Global Warming

Dr. Puja madam and Vijay sir for creating that sense of firstly belongingness to this particular event and secondly for having us rehearsed every single slide (where even a word mattered so much for madam) without which this wouldn't have come to us so naturally!!!

The skit continued with the effect of the projecting slides however was also accompanied with that little jittering talks and smiles by the audience. Having put all our concentration on the entrance of the slides during the skit I would be lying if I would say that our attention didn't go to the skit itself. I think the best performer of the skit, undoubtedly was Khushaal

with his enthusiastic act on the methane monster, overwhelming everyone: also it would be unfair if I were not to mention the host for the day, Miss Tanvi who by her cheerful appearance had the audience attention.

The skit was over, there was a huge applause, there we were praised by every single person sitting there, we were really acknowledged for the fact that the skit with the power point presentation had the Global Warming the Last Warning concept all said in actions. Harsha madam concluded providing details of their future contribution to save the earth.

The people who once had that quirky look when we had entered ...had now turned to us and congratulated us for the effort put forth. This was a huge moment of success to be cherished for the rest of my life!! I would first like to thank OASIS and Puja madam for giving us this opportunity, secondly the children for their effort and hard work put forth and last but not the least my own group members from IES MCRC.
Report by Miss Atila D'souza, Management student of IES MCRC, intern of the OASIS group



Children's skit performances on Global Warming

Global warming

On 07 December 2009 we went through the available tasks and studied with the help of Mrs. Pooja Sukhija. Then we formation or group with interested tasks and the above group of 9 people was formed in the interest of making students aware on Global Warming. We selected students of 6th and 7th class for the event so that they could deliver the knowledge further.

Contents of the event: There were four major activities in our event: Power point presentation, Photo gallery and Zoo Outreach packet activity, Video presentation & Poem writing contest. In power point presentation we had prepared slides on Global warming, which included reasons of Global warming, Situation in future if the same continuous and required measures or solutions on

Global warming. We had taken a separate block for presenting Photo gallery and we decorated the walls with banners presenting reasons and measures to be taken to control Global warming. Our Photo gallery included 15 banners, each consisting 9 attractive pictures in it. This was a contest where we distributed 'game board weather protection and guess the gale cards' to every student. The card had matched the items and outrun the weather game related to global warming. After that we asked every student to write a poem of four lines by their own on global warming, among those some students were rewarded with attractive prizes for their poems. Here, we showed some videos to the students on global warming, which was very effective.

To conduct the activities in a smooth flow and effectively we divided the number of 300 students into parts. We had students of two classes 6th and 7th, each with four divisions A, B, C, D therefore we conducted all four activities separately for each division that is eight times. To conduct the event a good amount of fund was needed, which we got it from one of our group members Krinjal Paramar. All other group members would like to thank her and her family for their support and being so environment concerned. We got very good response from students about the activity.

Special activities: During the power point presentation, video presentation and the games session we asked questions to students to test the efficiency of

presentation and knowledge of students and every student with right answer was motivated with gifts like chocolates.

We worked with OASIS for 15 days, and it was a pleasure to work with. We would like to thank Mrs. Puja Sukhija for the support that we got from her. For any work to be done efficiently people need motivation, especially Social works and she is a good example of an efficient motivator and a good leader.

Second thing that we got from OASIS is being concerned to environment and its importance in future and use of educative materials for promoting the awareness to combat global warming. **Report by Sterling College Interns. Submitted by: Ms Anita More, Office Coordinator, OASIS, Mumbai, Maharashtra. Email: info@oasisngo.org**



Children looking at the Photo Gallery depicting how to control Global Warming

