CENBOSEC

Quarterly Bulletin of the Central Board of Secondary Education

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From the Chairman

Schools are one of the most important social agencies for inculcating universally beneficial values in children. The awareness about the environment we live in is also a fundamental value as human existence is crucially dependent upon the state of environment. It is becoming increasingly emergent to pay heed to the signs of the threats posed by Global Warming and Climate Change. We must try to extrapolate these effects realistically to find out the challenges we would face in future. Some of the latest models developed to predict climate change point out to human induced alterations of the earth system for playing a major role in increasing the possibility of large, abrupt, and unwelcome regional or global climatic events.

Problems of environment are becoming extremely perceptible in both industrialized and developing countries. Floods, droughts, soil erosion, rapid depletion of bio-diversity, pollution of air, water and soil are affecting welfare and future of human societies in a significant way. The inequitable growth across the globe has further aggravated the environmental issues with industrialized nations indulging in environmentally unethical practices for their ever mounting need of energy and other natural resources, on the other hand, there are developing and underdeveloped nations which with their overwhelming problems like poverty and overpopulation, find no other way except to burden the already crippling global ecology to feed their exponentially growing population. These problems not only undermine quality of life and livelihoods but seriously threaten the survival of both urban and rural societies. Environmental issues like global warming and climate change are now high on the global agenda and have serious implications for public health and the welfare of future generations.

Students are the future of our world and therefore need to be appropriately and adequately sensitized and alarmed about the environmental issues. Educational Institutions are ethically bound to take up cudgels with other stakeholders to inculcate environmental consciousness among their students and an attitude to make themen vironmentally responsible citizens. Increased knowledge is the best way to improve the effectiveness of response, and thus the research into the causes, patterns, and likelihood of climate change can help reduce vulnerabilities and increase our adaptive capabilities.



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Parents, teachers and other social organizations are required to work in close association to generate awareness about the cause of environment. Schools may undertake case studies; compile lists of environmentally friendly products and community initiatives which have impacted the environment, create databases on land use pattern, species diversity, medicinal plants, etc. to help planned conservation efforts and demonstrate / promote eco friendly practices like non-chemical pest management, stall feeding of animals to protect pastureland from over-grazing, use of energy efficient devices or use of renewable energy for meeting local needs. Latest knowledge about concepts such as energy audit, carbon footprints etc. could be explained and students may be assigned projects based on these concepts.

The CBSE has taken cognizance of environmental problems much earlier and introduced Environmental Education for all classes (secondary as well as senior secondary) in its schools. Since the subject is transacted through the activity and the project mode it is evaluated both qualitatively and quantitatively through appropriate weightage assigned to these inputs and is now also aligned with the scheme of formative evaluation. The Board has published Manuals for environmental science for classes I-VIII and for class IX. There could be myriad activities that can be thought of and planned under Eco clubs active in most of the CBSE Schools and credit could also be awarded to students for this work. The CCE School Based Assessment Certificate also contains a head for classes VI-VIII and classes IX and X where the good work done by students can be positively acknowledged and appreciated.

Aspart of the concerted effort to sensitize our schools and other stakeholders to the universally important environmental issues, the theme of present issue of the CENBOSEC is chosen as Global Warming and Climate change. The issue deals with the various aspects of Global Warming and Climate Change, its impact and some of the suggestions to lessen its impact. I would also like to urge all our schools to work together, no matter however small our efforts are; we could still contribute in saving our unique planet.

Vineet Joshi Chairman CBSE

The Time to Act is Now!

सेन्ब्रासेक **Cenbosec** Quarterly bulletin of the Central Board of Secondary Education



अध्यक्ष की कलम से

विद्यालय बालकों में सार्वभौमिक रूप से हितकारी मूल्यों के प्रसार हेतु सबसे महत्त्वपूर्ण सामाजिक एजेंसियों में से एक हैं। पर्यावरण के प्रति जागरूकता बुनियादी मूल्यों में से ही एक है क्योंकि मानव आस्तित्व पर्यावरण की स्थिति पर निर्भर है। भूमंडलीय तापवृद्धि व जलवायु परिवर्तन से उत्पन्न संकटों के लक्षणों की और अधिक अवहेलना संभव नहीं हैं। भविष्य में आने वाली चुनौतियों का सामना करने हेतु हमें इन लक्षणों का वास्तविक बिहेंवेशन करना होगा। जलवायु परिवर्तन की भविष्यवाणी करने हेतु विकसित विभिन्न मॉडल, क्षेत्रीय अथवा वैश्विक स्तर पर होने वाली उच्च स्तरीय, आकिस्मक तथा अप्रिय जलवायु घटनाओं के लिये पृथ्वी प्रणाली में मानव जितत बदलावों को सबसे अधिक उत्तरदायी मानते हैं।

पर्यावरण की समस्या औद्योगिक व विकासशील दोनों प्रकार के देशों में ही दिन प्रति दिन विकराल रूप लेती जा रही है। बाढ़, सूखा, मृदा क्षरण, जैव विविधता में तेजी से कमी, हवा, पानी और मिट्टी के प्रदूषण आदि मानव समाज के कल्याण व भविष्य को महत्त्वपूर्ण तरीके से प्रभावित कर रहे हैं। एक ओर औद्योगिक राष्ट्रों द्वारा ऊर्जा तथा अन्य प्राकृतिक संसाधनों की सदा बढ़ने वाली आवश्यकता को पूरा करने हेतु पर्यावरण के प्रति आचार संहिता का पालन न करना व अन्य कारक जैसे दुनिया भर में विकास की असमान दर आदि पर्यावरण की समस्या को और अधिक गंभीर बना रहे हैं तो दूसरी ओर घोर गरीबी व जनसंख्या की अधिकता की समस्याओं के कारण अपने विस्फोटक रूप से बढ़ते जनसमुद्र का पेट भरने के लिए विकासशील तथा निम्न विकसित देश किसी अन्य विकल्प की अनुउपलब्धता के कारण पहले ही से चरमराए पारिस्थितिकी तंत्र पर और अधिक बोझ डालने पर मजबूर हैं। यह समस्याएँ न केवल जीवन स्तर व रहन सहन की ही अवहेलना करती हैं वरन ग्रामीण व शहरी दोनों ही प्रकार के समाजों के अस्तित्व को गंभीर संकट में डाल रही हैं। पर्यावरण संबधित मुद्दे जैसे भूमंडलीय तापवृद्धि व जलवायु परिवर्तन आदि आजकल वैश्विक कार्य सूची के मुख्य बिन्दुओं में सम्मलित हैं तथा यह मुद्दे आगे आने वाली पीढ़ियों के कल्याण तथा जनस्वास्थ्य के लिए अत्यंत महत्त्वपूर्ण हैं।

छात्र हमारी दुनिया के भविष्य हैं और इसलिए इन्हें पर्यावरण के मुद्दों के बारे में उचित और पर्याप्त रूप से अवगत कराने तथा भविष्य में आने वाली आपदा के विषय में बताने की आवश्यकता है। शैक्षिक संस्थानों की यह नैतिक जिम्मेदारी बनती है कि वे अन्य हितधारकों के साथ मिलकर अपने छात्रों में पर्यावरण के प्रति जागरूकता पैदा करने तथा उन्हें पर्यावरण के प्रति जिम्मेदार नागरिक बनाने के लिए प्रयास करें। ज्ञान वृद्धि प्रतिक्रिया की प्रभावशीलता में सुधार के लिए सबसे उत्तम विधि है इसलिए जलवायु परिवर्तन के कारण, प्रतिरूप तथा संभावना पर अनुसंधान होना चाहिए यह हमें जलवायु परिवर्तन से पैदा होने वाले खतरों से बचने में तथा हमारी अनुकूलन क्षमता में वृद्धि करने में सहायता करेगा।







माता-पिता, शिक्षकों और अन्य सामाजिक संगठनों को आपस में सहयोग कर वातावरण के प्रति जागरूकता उत्पन्न करने के लिए काम करना चाहिए। विद्यालयों में कई प्रकार के कार्यकलाप करवाये जा सकते हैं जैसे केस स्टडीज, पर्यावरण के अनुकूल उत्पादों की सूची का संकलन तथा ऐसी सामुदायिक पहलों का अध्ययन जिन्होंने पर्यावरण को प्रभावित किया है, भूमि उपयोग, प्रजातीय विविधता, तथा औषधीय पौधों से सम्बधित आँकड़ों का कम्प्यूटरीकृत संकलन जिससे संरक्षण प्रयासों में सहायता मिल सके तथा जो पर्यावरण के प्रति सौहार्दपूर्ण गतिविधियों जैसे रसायन रहित कीट प्रंबधन, पशुओं को एक स्थान पर भोजन खिलाना जिससे चरागाहों में आवश्यकता से अधिक चराई न होने पाये, ऊर्जा-दक्ष उपकरणों का उपयोग अथवा स्थानीय आवश्यकताओं की पूर्ति हेतु नवीनीकृत ऊर्जा का उपयोग। ऊर्जा लेखा (एनर्जी ऑडिट), कार्बन फुट प्रिंट्स, आदि आधुनिकतम संकल्पनाओं पर आधारित परियोजनायें छात्रों को दी जा सकती हैं तथा इन संकल्पनाओं के विषय में जानकारी दी जा सकती है।

पर्यावरण से सम्बधित समस्यायें केमाशिबों के संज्ञान में बहुत समय से हैं तथा बोर्ड माध्यमिक तथा वरिष्ठ माध्यमिक कक्षाओं के लिए पर्यावरण शिक्षा विषय प्रारम्भ कर चुका है। चूँिक यह विषय गतिविधियों तथा परियोजनाओं के माध्यम से पढ़ाया जाता है इसलिए गुणात्मक और मात्रात्मक दोनों ही विधियों से इसका मूल्यांकन किया जाता है तथा दोनों ही प्रकार की प्रतिक्रियाओं को उपयुक्त भार प्रदान किया जाता है तथा अब यह फॉरमैटिव मूल्यांकन की योजना में भी पूर्णरूप से उपयुक्त है। बोर्ड ने कक्षा पहली से नौवीं के लिए पर्यावरण विज्ञान नियमावली का प्रकाशन किया है। केमाशिबों बोर्ड से सम्बद्ध स्कूलों में ईकोक्लब नामक संस्थाए चल रही हैं जिनमें ऐसी असंख्य गतिविधियों के बारे में सोचा जा सकता है अथवा उनकी योजना बनाई जा सकती है तथा छात्रों को इन गतिविधियों के लिए अंक अथवा ग्रेड प्रदान किये जा सकते हैं। CCE स्कूल आधारित मूल्यांकन प्रमाण पत्र में भी छठी से दसवीं कक्षाओं के लिए एक ऐसा मद है जिसमें छात्रों द्वारा किये गये उत्तम कार्य के लिए उन्हें सम्मानित किया जा सकता है।

पर्यावरण जैसे सार्वभौमिक महत्त्वपूर्ण मुद्दे पर विद्यालयों तथा अन्य हितधारकों के लिए चलाये जा रहे जागरूकता अभियान के अन्तर्गत सेनबोसेक का यह अंक भूमंडलीय तापवृद्धि तथा जलवायु परिवर्तन की विषय-वस्तु पर आधारित है। प्रस्तुत अंक भूमंडलीय तापवृद्धि तथा जलवायु परिवर्तन से सम्बधित विभिन्न पहलुओं, इसके प्रभाव तथा इसका प्रभाव कम करने हेतु सुझावों आदि पर केन्द्रित है। मैं सभी विद्यालयों से एक साथ मिलकर काम करने के लिए आग्रह करता हूँ। हमारा प्रयास कितने बड़े स्तर पर है इसका महत्व नहीं है परन्तु हमारी अद्वितीय धरती को बचाने में हमारा योगदान सम्मलित है यह अधिक महत्वपूर्ण है।

विनीत जोशी

अध्यक्ष केमाशिबो



Feedback Forum

Dear Sir.

On behalf of the Gulf Council, I express my sincere gratitude for all the support you have extended to us as and when required. I thank you for attending the 'Annual Principals Conference' and for your inspiring and enlightening speech. I also take this opportunity to thank you for squeezing time out of your busy schedule to conduct the CCE workshop for the Principals in the Kingdom of Bahrain.

Thanking you once again. We remain grateful to the continued support and cooperation from you.

Sincerely yours

Dr A S Pillai Principal The Indian School Kingdom of Bahrain

Dear Sir,

This is to extend our sincere regards and gratitude to you for sparing your valuable time and honouring us with your presence on Punjabi Teacher's Award Ceremony. The Punjabi Teachers Community feels highly honoured to have your support and encouragement. We are sure that under your direction, the Central Board of Secondary Education will further grow to touch newer heights in catering quality and holistic education to the children. Thanking you once again,

Sincerely Yours,

Parkash Singh Gill (President) Punjabi Helpline, Delhi Dear Sir,

Greetings to you,

This is to place on record our sincere thanks to you for conducting a CCE workshop for Principals and senior teachers of all fifteen Indian Schools in the Sultanate of Oman on 28th January 2010 at ISM auditorium. Your involvement and support for the CCE Programmes, which is aimed at bringing quality in schools and in enhancing the conceptual development of evaluation process to regulate teaching, is of immense help to all of us.

Thank you once again for your kind support.

With deep regards

Achuthan Madhav Principal Indian School Muscat , Sultanate of Oman

Dear Sir,

Greetings form Ideal Indian School, Doha — Qatar

The recent programme on Exam Reform and CCE is highly appreciated. It was informative and stressed the need for change. The interactive session was complimented by the parents in Doha, in particular those of students of Ideal Indian School.

All queries were clarified. We hope the system will reduce stress and increase self-confidence in students resulting in healthy co-operation and team- work.



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I take this opportunity to express my sincere gratitude for your benign presence and highlighting the aims and objectives of the Exam Reforms. It was an experience with a difference.

Thanking you

With Regards

Prof. Dr. Mohammed Aejaz Principal Ideal Indian School, Doha Qatar

Dear Shri Vineet Joshi ji,

I am delighted to know that you have taken over as permanent Chairman of the CBSE. This will give lot of stability to CBSE as well as strengthen the new reforms in examination system and CCE (Continuous Comprehensive Evaluation).

I am sure that under your leadership the changes in the system will lead to improvement in quality education and result in making our education system comparable to the best in the world.

With kind regards

R.S. Lugani Managing Trustee Gurugram Public School Gurgaon

Dear Mr. Vineet Joshi Ji,

It has been a great pleasure being with you at various conferences of CCE and Sahodaya. It is wonderful that CCE has been made compulsory in all schools affiliated with CBSE even in the remote areas. I shall be delighted if I am

ever given an opportunity to work in the implementation of CCE in any of the school which you wish to allot to me.

Regards

Prabha Verma Principal Gurukul the School Ghaziabad

Sir,

On behalf of whole school I wish you a very happy and prosperous New Year 2010 (Very Important Year).

The decision to Holistic development of child is need of the hour and I am very much thankful to the CBSE that they have taken the initiative to implement Examination reform in large scale.

Thanks

Yours faithfully,

(P.K. Patpatia)
Principal
Thakur Das Bhargava
Sr. Sec. Model School Rajgarh Road, Hisar

Respected Sir,

I am thankful to you for providing me an opportunity to attend the Strategic Leadership Programme held at IIM Bangalore from 4th to 8th Jan. 2010. We got valuable tips on Managing Self, Education Management, Branding in Education, Contextual Leadership, Time Management, Communication Skills, Empowering Learners, Institution Building, Performance Appraisal, Strategies for effective





school management, Institutional Evaluation etc. The sessions were very interactive and educative.

The credit goes to CBSE for creating this opportunity for me. I hope to get the same kind of exposure in future also.

With warm regards,

Yours faithfully,

Principal **Arya Sr Sec School** Gharaunda (Karnal) Haryana

Husanpal Singh

Respected Sir,

I am writing to express my sincere thanks for giving me a great chance to attend the five Day Management Development Programme on 'Strategic Leadership for Principals' of CBSE Schools from 14-18 December 2009 at IIM Lucknow.

It was indeed a good Programme for the School Principals sensitizing them about strategic leadership.

With warm regards

Yours Sincerely,

Dr Neeru Suman Principal **Delhi Public School Vidyut Nagar**

Sir.

We are happy to know that you have introduced C.C.E. system in all subjects of 9th class including Punjabi language (minority language). It will definitely improve the standard of the education and help in the all round development of the students. Now students can prepare for the competitive examinations with more confidence. We thank you for this exclusive work and congratulate you.

Your work is being appreciated by students' parents, teachers and people working in the field of education.

With regards

Your sincerely

Jaswant Singh Sekhwan (Punjabi Poet) Secretary (Punjabi Vikas Manch)

Dear Sir,

This is to express my thanks and gratitude for providing me with an opportunity to be a part of "Strategic Leadership Programme" for Principals at IIM, Lucknow.

It was a great learning experience for me as it gave me a chance to listen to the experts from the faculty. I benefited myself immensely from it. Also I got to meet the other principals and learnt a great deal from their experiences.

> Bharti Swami Principal Vidhyashram International School Jodhpur

Sir,

I thank you for selecting me to attend the Training Programme for Principals in Strategic Leadership at Indian Institute of Management, Bangalore. The course was theory oriented and the resource persons were highly knowledgeable. It was privilege to attend this



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programme and it was possible due to the initiative taken by CBSE. The knowledge gained will help me execute my duties as a Principal more effectively and efficiently. We look forward to such programmes in future also.

Thanking you once again

Yours faithfully

Principal V.K. DHAWAN DAV Public School, Rajrappa Project, CCL Distt-Ramgarh (Jharkhand)

Sir,

This is to State that the Vidyalaya has taken necessary follow-up action regarding the strengthened Comprehensive evaluation brought into effect for class IXth from the second term of this current year 2009-10 by the CBSE. The teachers of our Vidyalaya have welcomed this new type of testing which will be carried over to Xth standard next academic year. They unanimously agree that this exam reform would certainly help the children to bloom at their own pace. Also the different kinds of activities organized like dramatization, group discussion, Radio Talk, quiz, dumb charade (English/Hindi) seminar, symposium, Group discussion, Investigatory project, Survey (Science), group activities and mathematics projects extended reading using sources like internet, Cartoon, fiction and project work (Social Science) would certainly make class room and beyond the class room activities interesting. Invariably, this activity oriented evaluation would benefit the children and the teachers to further and harness their creative, interpretative, analytic and higher order thinking skills. In a nutshell,

teachers and students feel excited about this new testing pattern.

Thanking You,

Yours faithfully

Principal Jawahar Navodaya Vidyalaya Panchawati

Dear Sir,

At the outset I would like to congratulate you for successfully implementing CCE system in the CBSE Schools thereby leaving a foot print in India's Education system.

Thanking you

With Regards

Ms Rina Singh (Principal) Gargi Girls School J- Pocket Ganga Nagar Mawana Road. Meerut (U.P.)

Dear Sir,

I wish to extend my personal thanks and regards to you for extending a patient hearing to my German Language teacher Mr. Vinod Kr. Sing on his visit to your esteemed office N. Delhi on dated 09/03/10.

I personally look forward for your kind cooperation in the said matter keeping in the view the future of the students

Thanking you

Vineet Chopra (Chairman) The Aryan International School, Varanasi





Global Warming and Climate Change

P.Vijayachandran*

Introduction

From a school student to perspicacious analysts, from politicians to common man, everyone is debating the cause of global warming and climate change. Models developed to predict the result of global warming produce good amount of evidence that plausibly hold human activities responsible for setting in these changes. With global warming on the increase and species and habitats on a decrease, the chance for ecosystem to adapt naturally is diminishing.

The greenhouse effect

Green house gases, which all occur naturally, act as a blanket, trapping in heat and preventing it from being reflected from the Earth. They keep the Earth's average temperature at about 15°C: warm enough to sustain life for humans, plants and animals. Without these gases, the average temperature would be about -18°C. too cold for most of the life forms. This natural warming effect is also sometimes called the greenhouse effect.

Climate Change

The human activity that is most likely to have an appreciable impact on the climate is the burning of "fossil fuels" such as coal, oil and gas. These fuels contain carbon. Burning them releases- carbon dioxide gas. Since the early 1800s, when people began burning large amounts of coal and oil, the amount of carbon dioxide in the earth's atmosphere has increased by nearly 30%, and average global temperature appears to have risen between 1° and 2°F. This will cause changes in the amount and pattern of rain and snow, in the length of growing seasons, in the frequency and severity of storms, and in sea level. Farms, forests, and plants and animals in the natural environment, will all be affected.

Advocacy and Educational Organizations

Much research on climate change has been taking place in academic and independent research centers. Organizations have developed educational and advocacy programs aimed at helping private citizens and policy makers understand the complexities of climate change science. Exploring the greenhouse effect is a common science project or curricular element for elementary school students. Some web sites have resources for students, parents, and

Former Principal & Academic Consultant, Kochi..





teachers. The climate plays such a major part in our planet's environmental system that even minor changes have huge impact. Climate change affects people and nature in countless ways, and it often increases existing threats that have already put pressure on the environment.

Study materials for learning on Climate Change and Global Warming

Climate change is an important topic for students to study because it integrates many subjects like energy, environment, geography, politics, chemistry, biology, economics, and more. It requires students to use analytical tools and numerical skills, and to exercise their abilities to research, think and understand complex issues. There is a number of widely held misconceptions about climate change. It is crucial for teachers to educate themselves and their students with accurate information and be careful not to reinforce common but incorrect notions.

Global warming is caused primarily by carbon dioxide from burning coal, oil and gas. Certain gases that trap heat are building up in Earth's atmosphere. The primary culprit is carbon dioxide, released from burning coal, oil and natural gas in power plants, cars, factories, etc. (and to an extent when forests are cleared). The second is methane, released from rice paddies, cattle dung, rotting garbage in landfills, mining operations, and gas pipelines. Third are chlorofluorocarbons (CFCs) and similar chemicals.

There is scientific consensus that global warming is real, is caused by human activities, and presents serious challenges. Scientists working on this issue report that the observed global warming cannot be explained by natural variations such as changes in the sun's output or volcanic eruptions.

Global warming will have significant impacts on people and nature. As temperatures continue to rise, precipitation is projected to come more frequently in the form of heavy downpours. We can probably expect more extreme wet and dry conditions. While global warming will have impacts on natural and human systems all around the world, the largest impacts will be on many natural ecosystems and on people who live in developing countries and have few resources and little ability to adapt. On the positive side, warmer winters will reduce cold-related stresses and growing seasons will lengthen.

Saving energy and developing alternative energy sources would help. Each of us can reduce our contribution to global warming by using less greenhouse-gas-producing energy: driving less, choosing fuel efficient cars and appliances (like refrigerators and water heaters), and using solar energy where feasible for water and space heat. But our actions now and in the coming decades will have enormous implications for future generations.





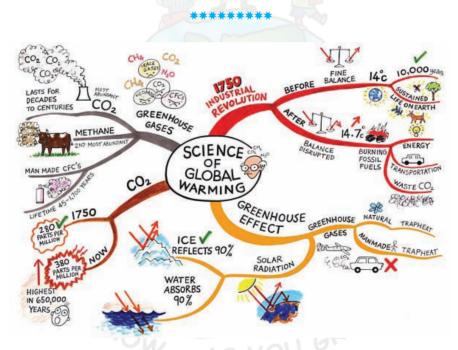
Activities for teacher and student use:

Climate Change in My City: Students use an historical climate index to analyze climate change at local, regional, and global scales.

Oral History Project: Students interview older residents in the community about climate changes during their lifetime and compare the results to a climate change index that is based on historical temperature measurements.

Climate Change and Disease: Students carry out research on the relationship between hosts, parasites, and vectors for common vector-borne diseases and evaluate how climate change could affect the spread of disease.

Climate Change and Ecosystems: Students carry out research on the interdependencies among plants and animals in an ecosystem and explore how climate change might affect those interdependencies and the ecosystem as a whole.



MIND MAP ON SCIENCE OF GLOBAL WARMING

Courtesy: learningfundamental.com

"The planet is about to break out with fever, indeed it may already have, and we [human beings] are the disease. We should be at war with ourselves and our lifestyles."

Thomas Lovejoy, scientist, Smithsonian Institution



Global Warming and Climate Change: Efforts Matter

Malini Sharma*

'Future is not a situation where we all are passively going into rather it is a condition we are consciously creating'.

Global warming

Global warming and climatic change refer to an increase in average global temperature. Natural events and human activities are believed to be contributing to an increase in average global temperature. This is caused primarily by increase in 'Green house gases' such as carbon dioxide, methane, nitrous oxide, and Hydroflourocarbons. Many of the green house gases are actually life enabling, for without them heat would escape back into space and the earth's temperature would be a lot colder.

However, if the green house effect becomes stronger, then more heat gets trapped into earth's atmosphere than needed and the earth might become less habitable for humans, plants and animals. Carbon dioxide though not the most potent of greenhouse gases, is the most significant one. In addition to the natural fluxes of carbon through the earth system, anthropogenic (human) activities, particularly fossil fuel burning and deforestation are releasing carbon dioxide into the atmosphere.

Impact of global warming

Increasing global temperatures are causing a broad range of changes which include melting of polar ice caps, rise in sea levels, etc. It has resulted in extreme weather events such as floods, droughts, heat waves and further glacial retreat, reduced summer stream flows and some times species extinction. As a further effect of global warming diseases like malaria are returning into areas where they have been eradicated earlier.

Some suggestions to deal with the Global Warming

1. Awareness generation in schools

Students across the country may join hands to start an awareness generating movement about Global Warming. Symposiums, rallies and other events like painting competitions, sports

Principal, Army School, Hempur.





competitions based on the theme. Global Warming may be organised at national, state and district levels. Student may act as Global warming activists and join the movement. Students may sign up and get as many people as they know (family, friends etc.) to sign up with them.

2. Educate the Students

Educate Students about global warming. The more facts that students have the more they can persuade others to make simple yet effective changes.

3. Promote the use of environment friendly devices

- Incandescent bulbs in schools may be replaced with compact fluorescent bulbs. This saves 300 lbs of CO2 per year. A standard CFL will save one third of a ton of green house gas, along with the cost of six or more incandescent bulbs. CFL bulbs do contain small amount of toxic mercury, therefore proper disposal (recycling) is necessary to prevent any additional landfill contamination.
- Recycling bins for paper and plastics may be kept in classrooms. The use of scrap paper may be encouraged for doing rough work like for making brief notes, mathematical calculations etc.
- Promote the use of locally made products to reduce the energy required to transport your goods.
- Endorse the use of public transport for travelling as it lessens the load on roads and also reduces one's individual greenhouse gas emissions by an average of 1600 pounds per year.
- School canteen may be advised to reduce the use of juice boxes, water bottles, plastic bags .
- Global Warming Club in schools may be started as a part of the Eco-Clubs and the energy need of the school may be economically planned by involving students and staff. An energy audit may be conducted in schools.
- 'Take action sheet' may be prepared with the help of students and students may be asked to implement it at their homes also.

These simple yet effective steps will go a long way in alleviating the problem. We must do everything we can to slow it down .





Global Warming and Climate Change: An Overview

Muzaffar Hassan*

All major geographical regions of earth have been witnessing temperatures higher than average for the last few years and this is said to be associated with the imbalances and extremities in weather patterns across the globe.

Concern over Climate Change

In 1988, the Intergovernmental Panel on Climate Change (IPCC) was established by the United Nations Environment Programme (UNEP) and the World Meteorological Organization (WMO) to assess the scientific knowledge on global warming. The IPCC concluded in 1990 that climatic changes were human-induced. That report paved the way to an international convention for climate change, the United Nations Framework Convention on Climate Change (UNFCCC), signed by over 150 countries at the Rio Earth Summit in 1999.

Carbon Sinks, Forests and Climate Change.

A mechanism suggested for tackling global warming has been the use of Carbon Sinks to soak up carbon dioxide. Reforestation, or planting of new forests, can be done to sponge up the carbon from the atmosphere.

Global Warming and population

To some extent, climate change/global warming is associated with "over population" and countries such as China and India have to do more to help contain global warming.

Yet rich countries have a lot to do themselves. There were agreed reasons why developing countries were exempted from initial greenhouse gas emission targets: it was the emissions from rich countries that accumulated in the atmosphere for so long to trigger climate change.

Environmental Issues

Environmental issues are deeply related with climate change and global warming. Humans depend on a sustainable and healthy environment, we need to know about related issues including biodiversity, climate change, animal and nature conservation, population, genetically modified food, sustainable development and more.

Principal, Kamran Manuu Model School, Laheriasarai, Darbhanga, Bihar.





Secondary school students check their school's climate impact

Students may investigate the link between everyday actions, greenhouse gas emissions and climate change. Students may learn about climate change, estimate their school's greenhouse gas emissions and conceptualize ways to mitigate their school's climate impact. Students may gain detailed understandings of climate-change drivers, impacts, and science; produce an emission inventory and action plan; and can even submit the results of their emission inventory to their school district.

A march of students, teachers and parents can be organized to call for a cleanup of their local river, pond and drains. Love for Nature and wild-life can be developed among school children.

Educators can teach students about climate change and ecosystems

- By using the wild life, wild land tool-kits to learn about the science of climate change and its potential effects on our nation's wildlife and their habitats.
- By putting frequently asked questions (FAQ) about wild-life with illustrated answers to these frequent questions.
- By enhancing critical thinking skills and by introducing the global warming class-room kits to middle school students. A hand-held wheel card and other resources help students estimate household greenhouse gas emissions in order to encourage students to think about ways to reduce their personal, family, school and community contributions to climate change.

Reduce, Reuse, Recycle

Reducing, re-using and recycling at school and in the classroom helps in conservation of energy, reducing pollution and green house gases.

It is high time for all the right-thinking people across the world in general and for climatologist the environmentalist, meteorologist, atmospheric physicist in special to come forward to save the earth by devising ways and means to tackle this problem.





Global Warming and Climate Change: A Perspective

Mrs. Inderjeetpal kaur*

GLOBAL WARMING AND CLIMATE CHANGE: A Perspective

Global warming refers to the increase in the average temperature of atmosphere. At present the earth appears to be facing a rapid warming mostly due to human activities.

Human activities that contribute to climate change include the burning of fossil fuels, and deforestation. These cause emission of carbon dioxide, and other gases responsible for climate change.

The green house gases like carbon dioxide, methane and nitrous oxide mainly contribute to global warming. Many climate scientists say that the 21st century might see temperature rise of 3 to 8 degrees, drastic shift in climate patterns where ice sheets will contract and seas will rise several feet.

A rise in earth's temperature can alter in the ecology and modify the quantity and pattern of the rainfall. The modifications may precipitate in increased frequency and intensity of floods, famines, heat waves, tornados and twisters. Other consequences may comprise of higher or lower agricultural outputs, genus extinction and rise in the ranges of vector disease. There are number of species that are facing a threat of extinction. Increase in the earth's average temperature may affect the life cycle of many disease causing bacteria as many bacterium can survive better in the elevated temperatures and even multiply faster when the conditions are favorable. The global warming is expected to cause irreversible changes in the eco system and the behaviour of the animals.

Leading atmospheric scientists tell us that long term warming trend poses serious risks to our environment. This warming trend poses greater risks for countries with longer coastal line, to poorer countries as these are the ones which are far less able to cope with changing climate. The rise in sea level will cause significant damage to these countries. Dealing with the challenge of global warming will require sustained and concerted efforts of all the nations.

Our greed to get the most out of every thing has turned us in to ones who contemptuously neglect the environment, although we know that our very existence depends on it.

Principal, N.C.C. Sr. Model School, Ambala City, Punjab.





Ecological well-being is Economic well-being

G.P. Pandey*

Mark Twain, the famous author once remarked, "Everybody talks about the weather, but nobody ever does anything about it." Wasn't the great novelist actually talking about the climate change?

The Mortality of our Planet

Hurricanes in one part of the world and scorching heat waves in the other. Receding glaciers, deteriorating ecosystems and changed cropping patterns are a few evidences which substantiate the deadly impact of industrialization and rapid economic growth in the world.

History gives enough indications that societies have faced collapse due to degradation of natural resources. The crumple of ancient civilizations was largely due to serious and prolonged drought and other severe climate changes.

One of the biggest causes of climate change is the rising level of carbon emissions caused by burning fuels such as oil and coal to power cars, planes, houses and factories. Millions of cars run on the roads each day causing carbon dioxide emissions resulting in global warming. We are going to face the brunt due to our lavish lifestyle accompanied with indiscriminate felling of trees. An impending resource crunch for food, oil metals, water is in the offing for all of us.

A journey towards a green future

Lighting the fire......

Spreading the message.....

Empowering the children.....

Preparing them for life!

The greatest power and responsibility lies within the individual. Each individual has to improve upon this deteriorating relationship with the environment. Young minds are pools of fresh thoughts. The future lies in the hands of these young minds, our children. **Enhanced** awareness is the only means that can help bring a change.

Principal, DPS, MR Nagar, Mathura.



Using resources resourcefully

The journey has to begin with each of us. The winds of change will transmit the message of going green from our children to our families. From our families it will transfer to our society. We need to understand that the needs of the present generation need to be met without compromising on the ability of the future generation to meet their own needs.

Small steps lead to big changes

- Save on fuel: Use your own vehicle only when it is absolutely essential. Car pooling with colleagues saves money, fuel and fosters bonhomie. If waiting for more than 30 seconds in your car turn off the ignition to save the gas.
- **Let's be green:** Cut down on cutting of trees and plant as many as possible.
- > **Use energy efficient devices:** Change your light bulbs to fluorescents. Turn off computers and unplug them if not in use. Dry your clothes in air rather than spin dry in washing machine.
- Say no to polybags: Next time you go to a grocery shop don't forget to carry a cloth bag with you. When buying products from a store choose packs with least amount of packaging. This saves on carbon emissions and garbage.
- > Onus of the Corporate World: Review and reduce carbon emissions; analyse their operations and technology; restrict air travel- and thus save fuel and money.

Let's commit ourselves to a journey of personal change. Let this binder reflect in our thoughts and action. Procrastination is not going to help. It would be unwise to watch and raise doubts about the prophecy of doom being made. Neither hype nor myth but plain, harsh and crude reality- Our 4.5 billion year old Earth is ailing with polluted air, global warming, depleting forests and oil reserves. Remedial measure is to adopt conservation as a way of life.

"To waste, to destroy, our natural resources, to skin and exhaust the land instead of using it so as to increase its usefulness, will result in undermining in the days of our children the very property which we ought by right to hand down to them amplified and developed."





Global Warming and Climate Change: Contribute in lowering its impact

Dr. Dharam Veer Singh*

The global warming scenario is pretty grim. I'm not sure I like the idea of polar bears under a palm tree.

Lenny Henry

Scientists are of the opinion that industrialization releases various gases like carbon dioxide and methane which contribute to global warming. Deforestation is also said to increase global warming. Deforestation is estimated to add 25% of all carbon dioxide into atmosphere. Burning of fossil fuels is another major cause. Global warming has happened in the past few years and is evident from the rise in temperature of earth's atmosphere.

A recent study shows that CFCs and cosmic rays are major culprits for global warming. CFCs or Chloro Floro Carbons are responsible for depleting Ozone and for climatic changes. While most countries have banned the usage of aerosols, these gases are still found in refrigerators, air conditioners and foam packaging.

With the impact of global warming effects, agriculture becomes difficult. Be it crop disease or fungal infections or low quality productions the effect will be evident. Natural disasters will destroy existing crops and foods abundantly found may disappear or become expensive. Global warming and climate change have already had a detrimental effect on flora and fauna. Like humans, plants and animals need certain conditions to be comfortable. One of the most shocking impacts is that birds are moving their homes further north. Bees are dying and population of polar beers is decreasing. When streams get too warm, the fish experience slower growth rates and lower oxygen levels.

Higher sea-temperature due to global warming and climate change has caused major coral bleaching events. This expels their colorful algae that live within them. All this virtually affects entire ecosystem. Answer to this problem can be summed up in one line, "Reduce carbon and green house gas emission in atmosphere before it is too late."

How can we as an individual contribute in reducing global warming?

Use alternative fuel vehicles or check out the fuel economy of your vehicle. Regular maintenance of vehicle, checking and inflating tyres at regular intervals and correct pressure will also help. Do your part to reduce waste by choosing reusable products instead of disposables.

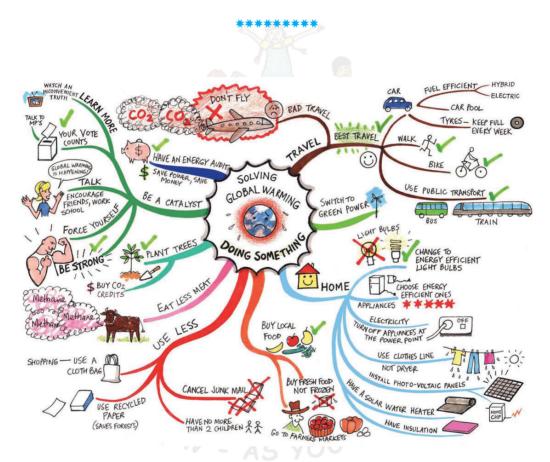
^{*}Principal, Sri Guru Harkrishan Sr. Sec. Public School, G.T. Road, Amritsar.





Adding insulation to your walls and attic and installing weather stripping can lower your heating costs more than 25 percent. Turn down the heat while you are sleeping at night or away during the day. Its a good idea to turn off the water when not in use like brushing your teeth, shampooing the dog or washing your car.

If you have the means to plant a tree, start digging, for trees are an integral part of the natural atmospheric exchange cycle on earth. A single tree will absorb approximately one tonne of carbon dioxide during its life time. Global warming and climate change have made us think how we have progressed in the last 50 years. Our dependency and lifestyle has to go through a change but it cannot be done in a single day or in a short span of time.



MIND MAP SHOWING DIFFERENT WAYS TO COMBAT GLOBAL WARMING

Source: learningfundamental.com

We share the earth not only with our fellow human beings, but with all the other creatures."

The Dalai Lama





Climate Change: An upshot of Global Warming

Ashok Kumar*

In order to understand the sources of the climate change problem, we have to bear in mind a very simple, yet principal scientific fact --- that carbon dioxide in the atmosphere follows the same graph as the earth's surface temperature; that is, as the carbon dioxide level in our atmosphere goes up the global temperature rises. The reason for this is that carbon dioxide, along with several other gases, traps the sun's heat within the earth's atmosphere thus creating a 'greenhouse effect'. If carbon dioxide and the various other greenhouse gasses continue to accumulate unchecked in the earth's atmosphere through manmade sources, all life that breathes could find itself confronting potentially mortal challenges.

Currently about 43 percent of the man-made carbon dioxide emissions come from the burning of fossil fuels, and coal is the most carbon-intensive of the fossil fuels, with CO2 emissions per unit of energy produced double those from natural gas and half again those from oil.

As we know, North Chotanagpur plateau, in the heart of India's dirty-coal belt has many coal fired thermal power stations. Having been under a perpetual blanket of haze of particulate matter incessantly spewed from thermal power stations, the people in entire plateau region lack good health. Respiratory diseases are endemic and the area has registered a steep decline in the life span of the people. NASA's highly acclaimed climatologist Dr. James Hansen in his recent article in The Guardian "Coal-fired power stations are death factories: Close them," Hansen identified coal as the single greatest threat to civilization and all life on our planet.

Among the potential major threats to the population in our part of the world resulting from climate change are altered and reduced rainfall, which may, in turn, lead to drought, desertification, and loss of agricultural production. While on one hand, these same causes of change in wind patterns and convection cycles have resulted in high local rainfall in certain regions leading to flooding of rivers as seen recently in northern Bihar, Andhra Pradesh, Karnataka, and Maharashtra, leading to huge losses of human and animal life and damage to crops and erosion of topsoil which will lead to eventual desertification of the land, on the other hand, in many areas, particularly rice growing areas, there has been complete failure of monsoon rains also leading to failure of crops, desertification and loss of water for domestic and wild animals.

Just recently scientists have determined that the Greenland continental ice sheet is melting four times faster than what had been the estimate just four years ago. The ice-melt from this continental ice sheet is said to have the potential to raise the North Atlantic sea level from 3-7

Principal, DAV Public School, Hazaribag.



सेनबोसेक **Cenbosec**

Quarterly bulletin of the Central Board of Secondary Education

meters, which would be disastrous for coastal regions on both sides of the Atlantic, affecting cities such as New York and low-lying regions like the Netherlands. On the other hand the icemelt of the Antarctic ice-bound continent could lead to a potentially catastrophic sea-rise of over 7-25 meters by the end of the century and 80 meters if the whole of the Antarctic melts. Any potential rise in sea level would) initially affect South Asia from Bangladesh to Maldives to Mumbai, and from China (Beijing, Shanghai) to southern North America (Florida). Significant effects could happen within the coming decades and require immediate security alert by the governments of these regions. The rising of the seas will have many consequences apart from coastal submergence affecting over ten major cities and millions of coastal dwellers and loss of agricultural lands since three-fourths of human populations live close to coastlines.

India has 5,243 Himalayan glaciers some of which are retreating 20-30 metres every year. Drying up of river Ganges would affect half a billion people and 37% of the sub-continent's agricultural land. These glaciers are the largest source of fresh water for South Asia and China including rivers Ganges, Indus, Brahmaputra, Mekong, Irrawaddy, Yellow and Yangtze all of which could be running dry by 2035 at the current rate of global warming according to the latest IPCC report.

Nature has been patient with us so far but through our relentless pursuit of ever greater comfort and convenience by amassing material possession, unmindful of the catastrophic consequences of such a pursuit, we are turning the benevolent and bountiful nature into a malevolent and vengeful one. The educational institutions have a pivotal role to play in bringing environmental protection centre stage in by getting the impressionable young generation passionate about it.

"Until man duplicates a blade of grass, nature can laugh at his so called scientific knowledge."

Thomas Edison





What Other Principals Say...

Sensitizing students over the effect and control of Green House Gases

The National Curriculum Framework 2005 has attempted to address the issue of relating learning to outside the classroom, moving away from rote methods of learning and discovering content rather than simply transmitting it. This is a welcome departure from the earlier view of the process of teaching - learning. The text books that have been written reflect this philosophy and stimulate the learners rather than simply listing facts and figures to memory and reproduce in examination. This provides a great opportunity to sensitize our learners on the ills that are plaguing the environment and ways to combat them. Through activities and non traditional methods, the role of green house gases has to be communicated to our learners.

In order to sensitize our students about the effect and control of green house gases, a planned exercise has to be undertaken:

- 1. Preparing the students for the project.
- 2. Gathering information about the problem.
- 3. Discussing probable, feasible solutions.
- Presentation of ideas after deliberations.

The students were asked to identify the local sources from which green house gases emanate. Before the problem could be viewed as a global phenomenon, the students were encouraged to look around their immediate environment contributing to the increase in green house gases. The students identified the following sources around them as potential sources:

Carbon Dioxide and Methane

The sponge iron producing units in and around the city adds up enormous amounts of carbon dioxide due to the burning of coke or charcoal as fuel and reducing agent for the blast furnace. Sambalpur has vast tracts of land rich in coal deposits. Mining of coal releases large amount of methane. Paddy cultivation is a big source of atmospheric methane, possibly the biggest of man-made methane sources.





A class discussion was held to discuss ways of controlling the gases. After deliberations, the students arrived at the following conclusions:

- The industries have to take steps to arrange for carbon sinks or adopt latest technologies to trap carbon dioxide
- 2. Methane from deep mines has to be captured for further use. New varieties of paddy can be grown which can be harvested early.

An awareness session was held for rest of the students of the school.

K.L.Nagaraju,Principal,
Kendriya Vidyalaya,
Sambalpur, Orissa

Global Warming and Climate Change

We must prefer the use of renewable resources over non-renewable resources. Renewable resources such as solar, biomass, wind, geothermal and hydro energy are environmental-friendly. Biodiesel and ethanol are also considered renewable sources of energies. We must use the recycled products more than the non-recycled ones. People must be encouraged to plant more and more trees. We must raise our voices for conserving the forests worldwide. We must perform regular energy audits in our homes and work-place. We must switch to green power. We must drive less as well as drive smarter. We must reduce frequent air travels. Industries and the corporate world must stop their insensitivity towards environment and its subsequent damage. They must adhere to their corporate social responsibility with utmost care for the environment and the society.

Anil Yaduvanshi,

Principal, KMPS, Mathura





What Other Teachers Say...

Global Warming and Climatic Changes: You Can Make a Difference!

According to many scientists it is very likely that hot extremes, heat waves, and heavy precipitation events will continue to become more frequent. It is very certain that ocean would become more acidic it by taking up more CO_2 and that the great currents in the North Atlantic were likely to slow but not stop. If CO_2 emissions can be reduced far enough , the atmosphere could be stabilized at a much lower level of greenhouse effect than is forecast now. Still, the effects of global warming will be with us for many centuries because of the inertia of the atmosphere and oceans and the more than 100 year persistence of greenhouse gases.

This is a crisis of global proportion, but not beyond our control if we make joint effort to understand what causes global warming and climate change, then act, do something.... You Can Make a Difference

Shipra Dar, Amity International School, Sec-43, Gurgaon

Global Warming and Climate Change: Some Dimensions

Introduction

The Earth is the only planet that supports life. The entire evolutionary changes were possible due to the environmental conditions present then. Can we sustain the life on this earth in coming time? It has been established that the developmental activities of mankind has resulted in raising the concentration of CO_2 in the atmosphere which is causing global warming and climate change.

^{*}Padma Seshadri, Bala Bhavan Senior Secondary School, Chennai.





Various studies carried out by scientists across the world have clearly pointed out to a gradual increase in global temperatures. Climate changes are due to burning of fossil fuels and deforestation.

Global Warming and Climate Change

Global warming means the increase in global temperature causing climate to change with adverse effects. Climate change refers to a statistically significant variation in either the mean state of climate or in its variability, persisting for an extended period. Climate change may be due to natural internal processes or external forcing or to persistent changes in the composition of the atmosphere or in land use.

Global Impacts of Climate Change

- Diseases in warm tropics may go up
- Some species of plants and animals may become extinct
- Rise in sea levels threatens livelihood of coastal inhabitants and resources.
- Ferocious floods, severe droughts, storm surges and truant weather are all to stay in the world.

Impact on India

- About 50% of total biodiversity is at risk
- Glaciers across the Himalayas are melting at an alarming rate and may even disappear.
- Over half a billion people would be adversely affected by steep drop in fresh water availability in India.
- The sea levels are expected to rise by the turn of the century. In short, Indians will have to suffer on all fronts health, agriculture and social living due to global warming & climate change.

Mitigating Climate Change:

- Availability of efficient public transport system
- Effective Mechanism for controlling Environmental Pollution.
- Efficient waste management
- Use of energy saving devices
- Replenishment of forests
- Promotion of fuel frugal practices like driving at an optimum and uniform speed.

Latha Balkrishnan Padma Seshadri, Bala Bhavan School, Chennai.





Global Warming Vis a Vis Pollution

When we burn fossil fuels for transportation, heating, cooking, electricity and manufacturing, we are essentially releasing carbon more rapidly into the atmosphere than is being removed naturally through the sedimentation of carbon, ultimately causing atmospheric carbon-dioxide concentrations to increase. Also, by clearing forests to support agriculture, we are transferring carbon from living biomass into the atmosphere. (dry wood is about 50% carbon). Because of this, atmospheric carbon-dioxide concentrations are higher today than they have been over the last half million years or longer.

Poblution from various industries, the burning of fossil fuels, methane from farm animals, forest destruction, rotting/dead vegetation, etc have led to an increase in the of volume of greenhouse gases in the atmosphere. The world's largest frozen pet bog is melting, and could unleash billions of tons of methane, a potent greenhouse gas into the atmosphere.

B.SreeDevi,

Eco-Club InCharge, Jubilee Hills Public School, Block – III, Road No. 71, Jubilee Hills, Hyderabad

You and Me under Water

Human activities have lead to changes in the delicate layer of atmosphere. Atmosphere helps in maintaining the temperature of earth but increased accumulation of green house gases like methane, CFCs, Water Vapour and most importantly carbon dioxide does not allow harmful infrared radiations to escape in space. This leads to increase in global temperatures.

Growth of human population which took place in 10,000 generations is now happening in one human life. This has created pressure on food, water, forest and other resources. Resources are exploited to cater to the endless production of goods that are meant to be replaced as fast as possible. Science and technology benefitted medicine and communication sector but has led to dramatically altered consequences in other sectors. Carbon Emission per person has steeply gone up.

Sushmita Ahlawat Gurukul-The School,NH-24 Hapur Bypass, Ghaziabad





Global Warming and Climate Change: Global Perspective

The earth has gone through many natural climatic cycles during its long history. It is us who have been causing changes to happen at an unbelievable rate, much faster than normal. Burning fossil fuels pours out greenhouse gases at a life-threatening rate and causing global warming. Global Warming, Greenhouse Effect, Climate Change.... they are all happening!

The expected impacts of an unstable climate and rising sea levels are increased droughts, decreased availability of drinking water, displaced populations, salination of soil and freshwater, massive extinctions of wildlife, decreased forest cover, reduced crop yields, increased epidemics and increased intensity of tropical storms.

Biological systems are strongly affected by climate change. In the terrestrial systems, there is evidence of earlier timing of spring events, leaf unfolding, bird migration and egg-laying. In marine and freshwater systems, the ranges and abundance of algae, plankton and fish are changing, and there is an increasing evidence of impacts on coral reefs.

Mrs.Ranjeeta Rani, T.G.T.Biology, Gyan Mandir Public School, Naraina

WAKE UP CALL

"Our deepest fear is not that we are inadequate. Our deepest fear is that we are powerful beyond measure. It is our light, not our darkness that frightens us the most"

- Marianne Williamson





Al Gore's film 'The inconvenient truth', has made attempts to inform us of the coming disaster caused by climate changes, or to squelch the idea that the process is happening at all.

There is an ongoing increase in the desalinization of the oceans due to the melting of polar ice and glaciers. This phenomenon tends to change the temperature and therefore the patterns of ocean currents. Consequently, these changes affect the wind patterns which lead to irreparable damages. As the oceans become less saline, it's more likely they will freeze during extreme weather conditions. They will disturb micro ecosystems and support lesser numbers of them.

Solutions revolve around mitigation , sustainable development and green energy approaches. Mitigation of individuals, industries and governments may be able to head off or reduce some of the anticipated effects of global warming but no amount of mitigation will prevent most of the effects outlined in the report from taking place over the next few decades. Humans, like other species, will have to adapt to a changing world. Sustainable development also would help limit the impacts of global warming by reducing the vulnerability of people in the areas most likely to be seriously affected .

Our unbridled consumerism is simply unrealistic for a planet with limited means. Take it as a wake up call!

To paraphrase John F. Kennedy: 'Ask not what the environment can do for you, but what you can do for the environment!'

Anshu Malika Kumar, TGT Science, Blue Bells Model Senior School, Gurgaon

GLOBAL WARMING OR GLOBAL WARNING

The effects of Global Warming may be taken as a wake up call for the human beings to save earth and to save themselves. To protect the health and well being of current and future generations, we must reduce emissions of heat trapping gases by being less materialistic Let's all join hands to save our earth from this Global Warming. It's Global Warning not Global Warming.

Mrs. Jaswinder Cheema, TGT (Social Science), MGN Public School, Kapurthala (Punjab)







Save the Blue Planet

"As long as the earth endures, seed times and harvest, cold and heat, summer and winter, day and night, shall not cease" Genesis 8:22.

"What kind of world we would like to live in "is the question posed to all of us by climate change. Small gestures on our part can help in solving the problem. Everybody has to do his/her share. We could make a difference by doing simple things like usage of cleaner fuels, efficient light bulbs and energy star appliances. Just a little change could add in alleviating the situation.

So let's come and work together to make our earth a better, safer and happier place to live in.

Mrs. Anjana Gupta,
Principal,
DAV International School,
Amritsar

"Earth Day Every Day".

Global Warming is mainly occurring due to deforestation, electrical pollution, cars with catalytic converters, use of fertilizers in agriculture and burning of organic matter.

Global warming has already disrupted millions of lives in the form of destructive weather patterns and loss of habitat.

It is certain that we are facing a global emergency that needs immediate attention. The situation calls for an urgent overhaul of world's environmental regulatory system in order to avert environmental calamities. It is a time to look at our consumption and production practices for each one of us to take a personal pledge to treat the Environment Day as the accepted time to begin to work towards our salvation. Rather, why not celebrate "Earth Day Every Day".

Sapna S. Manglani,

Modern Public School, Bm-Block, Shalimar Bagh, Delhi





Reduce Global Warming: Be Vegetarian

Global warming is a serious condition that affects our planet. It is important to be aware of the human causes of global warming. While humans contribute a lot to global warming, there are also natural ways in which it occurs.

There are a multitude of ways to stop global warming on individual basis. One way is to use a water filter, either by hooking one into a plumbing system or buying a pitcher that has a filter attached to it, so that the water bottles can be decreased. In addition, decreasing meat intake or not eating it, can also help to reduce greenhouse emission. At home, we can save electricity by switching off electrical appliances when not required.

Ritu Mittal, Universal Public School, Preet Vihar, Delhi

Eco Friendly Development to Reduce Global Warming

It is evident that the greenhouse gases play the major role in global warming, so we need to control activities releasing greenhouse gases in large quantities. We should follow the policy of eco-friendly development for sustainability of life and maintain the biodiversity of the Earth.

The temperature is the most important factor and the climate is totally dependent on it. So it is the necessity of the present time to think about climate change and give attention to its effect otherwise the time is not far when we will become historic relic like the Jurassic era.

Kunwar Rana jeet Singh JNV Rahikwara Distt. Satna M.P.

Replenish Ecosystem: Reduce Global Warming



सेनबोसेक **Cenbosec**

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A new research sponsored by the UNEP has conveyed that investing money on restoration and maintenance of Earth's ecosystem can be a key to counter climate change. The climate change issues update released in India on October 13th was prepared under the economics of ecosystem and biodiversity-a project launched by Germany and the European commission. The report said that the planet's biodiversity is increasingly at risk due to greenhouse gas emission. It also stressed that forests should be made the mitigation engines to counter climate change and urged the climate change negotiators to reward developing countries as they have large forests tracts that are moving towards a sustainable way of living. All said and done, the story of climate change till date has not much to offer in terms of implementing sustainable development.

Mrs. Seema Gupta, DAV Public School, Sector 14, Faridabad

CRUSADE AGAINST CLIMATE CHANGE

A crusade must be launched individually against the human induced climate change. Small steps like switching off the light, fan, TV and other energy using gadgets when they are not in use, not to use those equipments that pollute or consume more energy, create public awareness, use of renewable energy resources like solar, wind, biomass etc, planting of trees to celebrate occasions like birthday, not allowing opening of polluting industries in your vicinity etc can change the world to be a safe place to live in.

It is the high time to undo the injustice done to our environment. Delay will lead to self annihilation of mankind.

"The era of procrastination, of half measures, of soothing and baffling expedients of delay are coming to a close. In its place, we are entering a period of consequences." Winston Churchill

In a time of change, it is learners who inherit the future, the learned find themselves equipped to live only in a world that no longer exists."

Eric Hofer



Media Clippings

CBSE Chairman Vineet Joshi talked to HT about the problems that have surfaced during CCE's implementation. Excerpts:

Teachers complain of added burden.

Under CCE, assessment and teaching are no longer two separate entities. Assessment



has to become an integral part of teaching. Teachers, who feel their burden has increased, haven't probably understood the system properly.

Some schools have started assigning more homework and taking more unit tests. Doesn't that defeat the purpose of de-stressing students?

We have made it clear to the schools that students should be assessed on the work that they do in the classroom.

The idea is to fruitfully utilise the time during class. However, to ensure that schools implement CCE properly, we have started a mentoring and monitoring system in which one school will be in charge of monitoring a cluster of 15 schools in the neighbourhood.

Students are not comfortable with the idea of being under constant scrutiny.

When we say regular evaluation, we do not mean constant scrutiny from the moment the child enters a classroom to the time he leaves. The idea has emerged out of miscommunication.

We are clarifying this to schools now.

Do you think the new system lets down the academically-bright students?

It's high time we focus on cooperation rather than competition. I understand bright students feel the need to be challenged.

In their case, we will soon be offering proficiency tests that will be conducted by agencies outside.

Was the imposition of CCE rushed?

We decided to introduce CCE in the middle of academic year because it gave us the opportunity to compare two different forms of assessment and get relevant feedback.

How do you plan to ensure that schools implement CCE properly in future?

We want to empower parents with information about CCE through workshops so they can demand its proper implementation. There will be refresher training courses with teachers and principals and the mentor/monitoring programme to see schools interpret the system properly.

Students Speak on Continuous and Comprehensive Evaluation

Teachers have now started giving students individual attention.



Ekansh Gupta, Class 10, DPS, Rohini

Some students may complain about being scrutinised constantly but I feel it helps us...



Aneesh Rai, Class 10, Modern School, Barakhamba

Courtesy: Hindustan Times

SENS FROM SCHOOLS

Rural Excursion trip by the students of Sri Vani Education Centre, Bangalore

In order to study the rural lifestyles and problems faced by villagers, a group of 13 students of Sri Vani Education Centre **School** visited and stayed in Kamasandra and Kedernahalli village, Bangalore, Karnataka. It was an awesome experience to interact with the village folk and understand their way of life.

For most of the students who are from the city, it was a unique experience to get acquainted with the realities of rural life. Students discussed issues such as education of girls, hygiene and cleanliness and other social evils.

Under this residential project, students tried their best to be self sufficient, learn to cook food and also tried to spread the much needed awareness amongst villagers in a considerably short span of time.

Heritage Day at CSKM Public School, Satbari, Chattarpur, **New Delhi**

CSKM Public School, Satbari, Chattarpur, New Delhi celebrated Heritage Day on Tuesday, 12th January to inculcate a sense of responsibilityinyoungsters towards protection of heritage monuments. The students of Classes VIII and IX gave presentations on heritage sites of Delhi such as Qutab Minar, Safdarjung



Students of Sri Vani Education Centre, carrying out Social Service



A group of students from CSKM Public School with the picture of monuments pledging to protect the heritage of India.



COST OF STOLE SECOND

Tomb, Rashtrapati Bhavan, Red Fort etc and a Heritage Quiz was also held. Students of IV to VIII participated in greeting card making activitiy based on heritage.

Students also swore and took an oath to protectallmonuments and checkthe practice of scribbling, defacing and encroaching upon the heritage monuments.

World Space Week at Modern Public School, Shalimar Bagh

Modern Public School, Shalimar Bagh celebrated the World Space Week in collaboration with SPACE (Science Popularization Association of Communicators and Educators).

The aim was to acknowledge the contribution of space science and technology in the betterment of the human life.

The week commenced with an address in the assembly by Space Club member followed by a Poster Making Competition for Classes IV to VI, Gaming Competition for Classes III to V and debates in Hindi on 'Chandrayan' and 'Solar Eclipse'. A presentation called 'Star Count' was given by Class VIII students. A Movie Show was also organized for Classes III to V on 'Inside of Space Shuttle' & 'Amazing Universe'. The Grand Finale of this fun filled week was marked by an Astronomy Quiz for Classes VII, VIII, IX and XI.

Excellence Award at National Convention of Quality Circles for Gwalior Glory High School Students

Gwalior Glory High School, sent its Student Quality Circle Team to the national level. The QC team comprising of Class IX students presented their case study on "Promoting Environment Consciousness in students". The study included study of the problem, its definition, strategies to counter it and its overall impact on the students of the school. The "National Convention for Quality Circles" was held at Bengaluru from 18th – 20th December, 2009, where nearly 800 teams from several companies nationwide took part. The



Students warming the concepts of Space Science with the help of computers at Modern Public School



Students of Gwalior Glory High School sharing the accolade



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school team received the "Excellence" Award for its efforts.

CBSE Regional Science Exhibition at D.A.V. Public School, Airoli

The CBSE Regional Science Exhibition 2009 hosted by DAV Public School, Airoli, Navi Mumbai on 5th and 6th October 2009, was marked by a display of the innovative and inventive scientific projects and models. The themes for the projects highlighted the contemporary challenges before world community. The themes included Disaster Management, Harnessing Energy, Agriculture and Food Security, Combating Climate Changes, Conservation of Natural Resources and Mathematical Modeling.



Visitors looking at the exhibits displayed at CBSE Regional Science Exhibition at DAV Public School, Airoli

The display corner put up by the students of DAV Public School, Airoli, that exhibited the prize winning projects at 'Khoj- the tenth National Science Festival' organized by DAV Centre for Creative Education, attracted many of the visitors.

INTACH- Evergreen Heritage Club started at DPS Gurgaon

INTACH-Evergreen Heritage Club commenced in DPS Gurgaon for the students of middle school.



A group of students from DPS Gurgaon at a Heritage Site in Delhi

The school has been honoured in the heritage club awards 2009-10 for being the most active participant for generating an overwhelming response among the students. Students have been enthusiastically involved in various activities to enrich themselves regarding the environment.

CCE Workshop Enthralls Teachers

The Rajasthan School, Kotputli, Dist. Jaipur organized a Teachers' Training
Workshop in the school on CCE.

The workshop began with an ice-breaking session in which the participants were asked to list the qualities of a good teacher.

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The teachers felt that Continuous and Comprehensive Evaluation would certainly pave the way to the holistic development of students. Now the overall development of student's personality, their participation in scholastic and co-scholastic areas will be put to test and this will result in triggering the

students' interest to take the life at its fullest.



A resource person explaining a point at Teachers Training Workshop on CCE at the Rajasthan School, Kotputli

Annual Function celebrated at D.A.V. Centenary Public School, Jind

The Annual Function of D.A.V. Centenary Public School was held on 5th January, 2010. Dr. C. Prakash, Hon'ble Vice President DAV CMC, New Delhi was the Chief Guest. Dr. P. S. Ghalaut, Senior Professor and Head, Department of Medicine, PGIMS, Rohtak graced the occasion as Guest of Honour. The students presented a colorful cultural show based on communal harmony and social evils. The meritorious students awarded medals and certificates by the Chief Guest. The Principal highlighted the school achievements in various fields.





Students of DAV Centenary Public School Jind presenting a Dance at the Annual Day of School

Pratap Singh Memorial Sr. Sec. School, Kharkhoda, Participated in 'Meri Baat' at Doordarshan

Pratap Singh Memorial Sr. Sec. School Kharkhoda (Sonepat) had a unique privilege of having been invited to participate in the Live Programme "Meri Baat" on Doordarshan Principal along with five teachers and 45 students participated in a discussion on the topic "Rural Students are not lesser talented than Urban Students." It was like a quiz show



Students of Pratap Singh Memorial Sr. Sec. School participating in Live TV programme



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and all students exhibited an exemplary presence of mind in the programme.

Republic Day Celebration at Abhinav Public School, Pitampura

Abhinav Public School, Pitampura celebrated 'Republic Day' on 25 January, 2010. The function started with Vandematram followed by a cultural fiesta by students of junior classes. Chief Guest gave away prizes to meritorious students and advised them to work hard for the progress of the country. The celebration ended with the National Anthem.



A student presenting a suit at the cultural fiesta held at Abhinav Public School

BJEM School Observes Heritage Day

The 'Heritage Day' was observed in **BJEM School** on 12th January, 2010. The students showed immense interest in this educational campaign and prepared many colourful placards, for raising awareness about the precious heritage monuments.

The students also presented their views on the importance of this day, emphasizing the need to preserve and conserve heritage sites. Finally the heritage oath was administered to the entire school, during the morning assembly to protect heritage.



Students with placards in their hands at the occassion of heritage day

Republic Day Function at Alok Senior Secondary School, Udaipur

Students of classes IV to IX from Alok Senior Secondary School, Udaipur participated in the District level Republic Day function at Gandhi Ground on 26th Jan. 2010. The presentation by students on the song "Kadam Milakar Chalna hoga" was praised by spectatores.



Students presenting a dance performance at the occassion of Republic Day in Alok Sr. Sec. School



Students of Little Flowers Public Sr. Sec. School, Shahdara in Indian National Science Congress

A team of five students namely Snehil Rastogi, Sameer Rastogi, Rachit Jain, Sanchi Jain and Rahul Gupta of Class XII of *Little Flowers Public Sr. Sec. School, Shahdara, Delhi* were selected for Indian National Science Congress. The team presented a project titled "Bio-chemical Analysis of various water bodies of Delhi". Sameer Sharma participated in the Rashtriya Kishore Vaigyanik Sammelan (Children's Science Congress) from 4th to 6th January 2010 at Trivandrum, Kerala jointly organized by University of Kerala and



Team from Little Flowers Public School in a group photograph with Shri Narendera Modi, Honourable CM, Gujarat

Indian Space Research organization. Rachit Jain has selected for 17th NCSC 2009 held in Ahmadabad, Gujarat from 27th to 31th December 2009.

Zonal of CBSE National Heritage India Quiz at D.A.V. Public School, Chandrashekherpur.

The Zonal Round of the CBSE Heritage India Quiz was held at DAV Public School,



Chandrasekharpur, Bhubaneswar, Odisha where six qualified teams from Odisha, West Bengal & Chattisgarh were participated. The preliminary written round conducted among all the schools of the Bhubaneswar region in the month of August 2009. DAV Chandrasekharpur made it to the National final to be held at Delhi defeating the Burnpur Riverside School with a score of 70-50.



Quiz Master presenting a question to a team of students in zonal rounds of CBSE National Heritage Day

Republic Day Celebrated at Tagore Public School, Jaipur

The Republic day was celebrated at **Tagore Public School Jaipur** by remembering



Students in various constumes during Republic Day Function at Tagore Public School



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the freedom fighters, who laid their lives for the nation. A skit was presented in which students played eminent freedom fighters. The skit was presented with an aim to generate the sprit of patriotism.

CCE Workshops at Army School, Allahabad

Army School Allahabad organised three workshops from1st Dec to 3rd Dec 2009 to introduce Continuous and Comprehensive Evaluation for classes IX and X under the aegis of CBSE.

The resource persons for the workshop were Mrs. Rita Singh, Principal Indrapuram School New Delhi, Mrs. Meenakshi Chaterjee Principal DPS Jabalpur, Mrs. Renu Chaturvedi Additional Secretary DPS Delhi and Mrs. Anju Tandon, Principal Army School Allahabad. Around 500 Participants from various schools across the state attended this workshop. They were made aware of the various aspects of CCE. This workshop proved to be highly informative and enlightening and instilled confidence in the participants to realize the objectives of CCE i.e. holistic development of child.



Resource Person explaining scheme with the help of power point presentation to teachers from respective schools

Handicraft Exhibition at Bhavan's SL Public School, Amritsar

SL Public School, Amritsar organized 19th handicraft exhibition on Dec. 19,2009. Students of class I showed the colours of nature through their creations. 'Kids Emporium', "Little hands do wonders", and "Sweet Home" were the themes given to various primary classes. Students of class VI presented cultural heritage of India. "Devotional Zone" and "Festive Dhamaka" were the themes for classes VII and VIII. Students of class IX created beautiful Lord Ganesha. In "Intellectual Zone", students of senior classes displayed Charts and Models on Science, Maths, Computers, Games, English and Hindi Language. Students of Gyandeep showed their talent by making "Best out of waste."



Staff Members of SL Public School at the Art & Craft Exhibition

Ratna Memorial Public School, Gorakhpur

रत्न प्रकाश मैमोरियल ट्रस्ट द्वारा संचालित विद्यालय रत्न प्रकाश मेमोरियल पब्लिक स्कूल, गोरखपुर अपनी स्थापना के उद्देश्यों की सफलता एवं उपलब्धियों की दृष्टि से निरन्तर प्रयासरत है। स्कूल

सेनबोसेक Cenbosec

की प्रयास प्रक्रिया में सीबीएसई के सिद्धान्तों , नियमों, संकल्पों का ही प्रमुख स्थान रहा है जिसके सहारे विद्यालय की न केवल शिक्षा के क्षेत्र में ही बल्कि अन्य बहुमुखी क्रियाकलापों जैसे सांस्कृतिक कार्यक्रमों, खेलकूद तथा बालकों में सृजनशीलता हेतु सृजनात्मक क्रियाओं में भी सहभागिता रही है। बालकों में संगीत कला की प्रतिभा को जागृत करने हेत् एक भव्य कार्यक्रम चान्स टू डान्स प्रतियोगिता का भी सफल एवं प्रशंसनीय आयोजन हुआ जिसमें नगर की अनेकानेक शिक्षण संस्थाओं से योग्य प्रतिभागी चुने गये। उन्हें यह मंच देकर अपनी प्रतिभा को सँवारने का एक सुनहरा अवसर प्रदान किया गया।



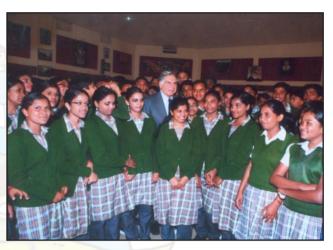
रत्न प्रकाश मैमोरियल पब्लिक स्कूल में आयोजित सांस्कृतिक कार्यक्रम में भाग लेते हुए कुछ छात्र छात्राएं

Silver Jubilee function at High Range School, Kerala

A cultural programme at **High Range School** was organized on 5th Nov 09 to mark the Silver Jubile. Mr. Ratan Tata, who was on a two day trip to the town of Munnar, chose to spend some time with the students and teachers of HRS.

In his inaugural address he emphasized the need for the youth of India to imbibe value based education that provides a level playing field for every child to grow and achieve their true potential. Mr. Ratan Tata was then requested to give away the prizes to all the toppers of the school.

Almost all students of the school took part in the cultural programme that followed the prize distribution.



Shri Ratan Tata with the students of High Range School at the occassion of School's Silver Jubilee Function

Bhavan's SL Public School, **Mumbai Basant Panchami** Celebration

Bhajan Sandhaya was arranged on the occasion of Basant Panchami celebration on the Premises of Bhavan's SL Public School on Jan 20, 2010. Programme started with " Ganpati Vandana". Shlokas for "Maa Saraswati" were recited by all. Music team of the school sang Bhajans requesting goddess Saraswati to shower her blessings on all. Principal Mrs Anita Bhalla gave message to the students explaining the meaning of the shloka "Karagre Vaste Laxmi". Programme ended with "Shanti Path".



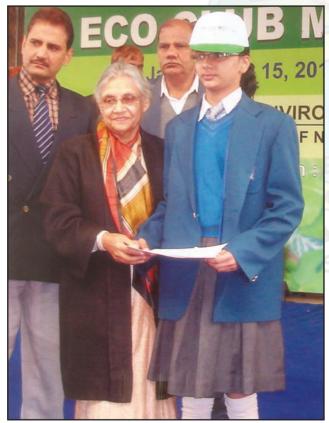
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Students performing aarti of Goddess Saraswati at Basant Panchmi Celebration

Students of Rukmini Devi Public School, Pitam Pura won National Level Competition on Environment

Kritika Goel of Class VII-D of Rukmini Devi Public School, secured the second



Krita Goel of Rukmini Devi Public School receiving 2nd prize from Hon'ble CM Smt. Shiela Dixit

position in the National Level Competition organized by Department of Environment for school children. She received a cash award of Rs. 15000/- (Fifteen Thousand only) and a citation in their annual prize distribution ceremony held on 12th January,2010 at National Bal Bhawan, Delhi. The Chief Minister of Delhi, Hon'ble Smt. Shiela Dixit gave away the prizes to the students and blessed them for success.

Inter House Play Competition at Mira Model School, Janakpuri

Mira Model School, Janakpuri organised an Inter House Play Competition on January 16, 2010. The show began with lighting of the lamp by the Chief Guest Ms Pramjeet Ahuja (retd.) Principal, Kendriya Vidyalaya. Four tales were enacted by the different houses Cinderella, the Pied Piper, The Sleeping Beauty, The Snow White and The Seven Dwarfs.

The School Principal Ms. Sadhana Bhalla proposed the vote of thanks.



Tiny Tots in different constumes at Inter House Play Competition held at Mira Model School, Janakpuri



Science Exhibition in Ramakrishna Vivekananda Vidyapeeth Bilaspur

A Science Exhibition was held at *RKVV Bijuri* on 6th January 2010. Nearly fifty students presented their exhibits in the form of working and non-working models. The themes selected for the exhibition were Water Harvesting, Fire Alarms; working of a Coal Mine etc.The event received a very good response from parents. The chief Guest appreciated the efforts of students. Shri S.N. Choudhury, Director and Dr. S.R. Singh, Principal of RKVV lauded the students and emphasised the importance of science in our day to day life.



A group of students with their models during Science Exhibition at Rama Krishna Vivekananda Vidyapeeth, Bilaspur

Science Exhibition at Green Wood Senior Secondary School, Rampur

Greenwood Sr. Sec. School, Rampur, organised a science exhibition on November 14, 2009. The School also released its annual magazine on the same day.



The exhibition included working and non-working models in Science, Social Science and Computer Science. Their exhibits in Social Science were based on Global Warming and Pollution.



Students of Green Wood Sr. Sec. School Rampur showcasing their exhibits at the science exhibition

Indo German Exchange Programme at National Public School, Bangalore

Fifteen German students stayed for a fortnight with students of class XI of *National Public School, Bangalore* from the 26th of Oct to the 7th of Nov 2009 under a student exchange programme.

A ceremonial welcome was given to German group with aarti and tilak in the school premises.

The group toured Bangalore, Mysore and took a safari to Bandipur forest reserve. The jungles of Bandipur showcased the flora and fauna of this tropical region. A workshop on Worli art was conducted for the group to expose them to Indian cultural and artistic heritage. The German students took part



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actively and tried out the traditional Worli prints on T. Shirts.



A group of German Students with their counterparts from National Public School, Bangalore during an Exchange Programme

Social Service excursion from Bhavan's Bhagwandas Purohit Vidya Mandir, Nagpur

Students of Bhavan's B.P. Vidya Mandir, Civil Lines, visited the Indira Gandhi Slums and Sonpur Slums as part of their class X project activity on Disaster Management. The project was on generating awareness about Flood, Fire,



Students of Bhavani Bhagwandas Purohit Vidya Mandir, Nagpur carrying out Social Service in a slum area

Drought and epidemic. The students presented a ten minute skit and displayed posters to bring awareness and preparedness in the community. Students were guided by their Geography teachers Smt. Purty Patil and Smt. Nilima Joge.

लिटिल एंजिल्स स्कूल पीलभीत में किन्डरगार्टन फेस्टिवल

लिटिल एंजिल्स स्कूल पीलभीत में दिनांक 11 नवंबर को प्री-नर्सरी और नर्सरी के नन्हें मुन्ने बच्चों ने 'लिटिल किंगडम कमस अलाईव' के नाम से कार्यक्रम का प्रस्तुतिकरण दिया। सभी नन्हें मुन्ने बच्चों ने 'गॉड्स लव', ओम साईं राम', 'बूगी-बूगी', आउट इन द गार्डन', चन्दा मामा', लकड़ी की काठी', चक्के-पे-चक्का', हेअर वी गो राउन्ड द' तथा कौन हूँ मैं' आदि गानों व किवताओं को अपने भावों एवं नृत्यों की रंगिबरंगी प्रस्तुति दी।

अपने नन्हें मुन्ने बच्चों को इतनी भावपूर्ण अभिव्यक्ति को देख उनके माता-पिता की आँखे भी छलक उठीं जो बच्चे घर में शैतानियाँ करते हैं, मचल उठते हैं, उन्हीं छोटे-छोटे बच्चों को उनकी शिक्षिकाओं ने कितने सुन्दर ढंग से प्रशिक्षित किया है, यह देख के, भावविभोर हो उठे।



लिटिल एंजिल्स स्कूल पीलीभीत में प्रयोजित किडंरगार्टिन फैस्टिवल में नन्हीं छात्राएं नृत्य प्रस्तुत करते हुए



CON- AS YOU GROW

Zonal Rounds of the CBSE Heritage India Quiz 2009 at St. George's School, Alaknanda

St. George's School, Alaknanda hosted the Zonal Rounds of the CBSE Heritage India Quiz 2009, on Wednesday 2nd December 2009 in the school premises.

Teams comprising of three students from the following schools participated in the Ouiz:-

- (1) Darbari Lal DAV Model School, Pitampura
- (2) St. George's School, Alaknanda
- (3) VED Vyasa DAV Public School, Vikas Puri
- (4) Blue Bells international School, Delhi

St. George's School, Alaknanda was the winner and qualified for the National round with 80 points and Darbari Lal D.A.V Model school secured 45 points. Ms. Sugandh Sharma, Education Officer CBSE and Mrs. Sara George

Principal of St. George's School graced the occasion.

Tagore International School, Vasant Vihar: Helping in the upkeep of Qutub Minar

School, Vasant Vihar, contributed towards the maintenance and upkeep of the prestigious Qutub Minar. The regular visits to the monument by the students as well as the effort extended by them to manage the upkeep and running of the monument have always been appreciated and supported by Mr. K.K. Muhammad, Chief Superintending Archaeologist, Delhi Circle, ASI. Besides furthering the goals of the club, this effort has inculcated a sense of pride and responsibility towards our rich archaeological heritage in the hearts of the students.

As a step forward in this direction, another group of students from Class IX along with three teachers worked in unison at the Qutub



Smt Sugandh Shama, EO, CBSE, at George School Alaknanda to inagurate Zonal round of CBSE Heritage India Quiz



Students of Tagore International School Cleaning the complex around Qutub Minar



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Minar complex on Sat. 12th Dec.'09. Their efforts were hugely appreciated by all people visiting that day.

Translam Aademy International, Meerut visit a school for Differently Abled

As part of social activity, the students of Class-V of *Translam Academy International* visited Disha Public School, which is a school for special (differently abled) children. It was a very enriching experience for the students. At the Annual Function of the school, the students of school performed a melodious song together with the children of 'Disha'



Students of Translam Academy International Interacting with differently abled children at their school

Communal Harmony Campaign at Gandhi Nagar Public School, Moradabad

All the students and teachers of Gandhi Nagar Public School, Moradabad participated voluntarily in communal Harmony Campaign organised by the school. The National Foundation for communal Harmony (NECH) observes the Communal Harmony Campaign and funds raising week every year from November 19th to 25th. The mission of this Campaign is not only to promote Communal Harmony and National integration but also to raise fund required for the rehabilitation of children rendered orphans or destitutes in caste, communal terrorist or any other kind of violence.



A group of students of Gandhi Nagar Public School on the occassion of Communal Harmony campaign

Annual Day at Dr. M.K.K.Arya Model School, Panipat

Dr. M.K.K.Arya Model School, Panipat celebrated its Annual Day on Dec. 05, 2009. The celebration included a number of presentations like Science exhibition, Social Science exhibition, IT exhibition, Maths exhibition and Art & Craft exhibition. A colorful cultural programme was followed by prize distribution to the outstanding students in academics and extra curricular activities. There was a



cultural programme on the theme" World as a mighty tree and different countries as its swinging branches.



Students of Dr MK Arya Model School Panipat Presenting Indian traditional Dance at their annual day

Heritage Day at Apeejay School, Noida

Apeejay School, Noida observed Heritage Day on January 12, 2010 in the school premises.

A special assembly was organized for the students from classes VI to XII. The assembly started with the inspiring



Students taking heritage oath at Apeejay School Noida



thoughts of Swami Vivekananda, whose birth anniversary also falls on this day, i.e., 12th January.

The highlight of the function was the 'Heritage Oath'. All students held up their right arm and pledged their commitment towards guarding and conserving our monuments.

DAV Public School, Hazaribag, excelling at Science Exhibition

Piyush Agarwal of a student of class XI (Commerce) of *DAV Public School, Hazaribag* secured third position in the Science Exhibition organised at IIM Ahmadabad, as part of the IGNITE programme of the National Innovation Foundation of India.

A simple but ingenious device, prevenwet, that can prevent clothes from getting wet in the rain with no one around to look after them. Dr. Kalam applauded the efforts of students. Innovation Foundation has also started the patent process for innovations.



Piyush Agarwal of DAV Public School Hazaribag, receiving 3rd Prize from Dr. APJ Abdul Kalam, President of National Innovation Foundation of India



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Anti Tobacco Awareness Drive at St. Joseph's School, Sonebhadra (U.P.)

The *St. Joseph's School, Sonebhadra* implemented guidelines provided by CBSE to curb the use of tobacco. The school worked on the principal of "catch them while they are young" and brought awareness about the ill effects of the tobacco in and around the vicinity of school on Republic Day 2010. The programme was called "चेतना"

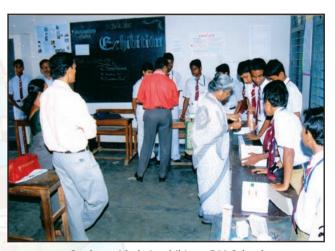


Placards Showing Anti Tobacco messages displayed by the students of St. Joseph's School

'Learning Beyond Classrooms' D. M. School, Regional Institute of Education, Bhubaneswar

20th of February was the day that demonstrated 'learning beyond classrooms' at Demonstration Multipurpose School, RIE Bhubaneswar. Students were quite enthusiastic about the whole concept and participated with their pictures, write-ups, and models. It was the day for secondary school students to exhibit their year-long activities as

members of one club or the other. The various display boards in the lobby show-cased the creative urge of students in the literary fields. The Oriya Literary Club 'Srujani' presented the rich Oriya culture with the 'idol of lord jagganath at the centre, and a child's write-up on the 32 different attires of the lord, adorned on different festive days round the year.



Student with their exhibits at DM School

RIE Bhubaneswar

TECHNOLOGICAL INITIATIVES AT KR MANGALAM WORLD SCHOOL, GK-II

KR Mangalam World School, Gk-II is committed to broadening the students' horizons and enhancing their awareness of the world around them. In pursuit of this endeavor, students are given access to the latest technology so as to enable optimum usage of time and energy. The school has vigorously promoted the use of technology and the online medium. Spearheading the technological initiative is the School's principal Ms. Jyoti Gupta, who vociferously advocates the need to integrate technology with academics.