



Shri Satyabrata Sahu, IAS
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Government of Odisha

MESSAGE

It gives me great satisfaction to witness the wide range of impactful programmes organised by the Centre for Environmental Studies (CES), Odisha, under the Forest, Environment & Climate Change Department, to mark important global occasions. These events, along with Mission LiFE awareness activities, drawing competitions, webinars, and interactive sessions, reflect our collective commitment to safeguarding the environment and nurturing sustainable lifestyles.

The leadership and enthusiastic involvement of schools across Odisha underline the strength of community-driven environmental action. The Government of Odisha, through Mission LiFE (Lifestyle for Environment), is committed to encouraging citizens to adopt eco-friendly practices such as reducing plastic use, conserving energy, protecting biodiversity, and promoting sustainable living. The success stories shared in this report clearly demonstrate how Eco-Clubs, schools, and communities are becoming catalysts of change by embracing these values and translating them into meaningful action.

I extend my appreciation to the CES team, educators, students, and all collaborating institutions for their dedication and contribution. Their combined efforts not only complement our global commitments but also strengthen Odisha's role as a leader in environmental conservation. I am confident that these sustained initiatives will continue to inspire responsible action, ensuring a greener, cleaner, and healthier future for generations to come.

(Satyabrata Sahu)



Dr. K. Murugesan, IFS



Director
Centre for Environmental Studies
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Government of Odisha

PREFACE

As we reflect on the remarkable environmental initiatives undertaken by the Centre for Environmental Studies (CES) in collaboration with schools and communities across Odisha, it is heartening to witness the enthusiasm and dedication of young learners and educators towards creating a sustainable future. Through various programs, workshops, and activities, CES has been instrumental in fostering environmental awareness, promoting eco-friendly practices, and inspiring a new generation of environmental stewards.

This newsletter showcases the success stories of schools that have made significant strides in environmental conservation, sustainability, and energy efficiency. From celebrating World Earth Day and World Environment Day to implementing innovative eco-friendly projects, these schools have demonstrated their commitment to protecting our planet.

I would like to extend my appreciation to the teachers, students, and community members who have worked tirelessly to make these a success. Their collective efforts have not only contributed to a cleaner and greener environment but have also instilled a sense of responsibility and stewardship among young minds.

As we continue to strive towards a more sustainable future, I am confident that the initiatives highlighted in this newsletter will serve as a source of inspiration for others to join the movement. I wish all our readers the very best in their endeavors to protect the environment and promote sustainable living.

A handwritten signature in blue ink, appearing to read 'K. Murugesan'.

(Dr. K. Murugesan)

SUCCESS STORY OF BANSHIDHAR BIDYAPITHA, KULIGAON, BALSORE



Banshidhar Bidyapitha, Kuligaon, Balasore, has established itself as a vibrant Eco-Club, fostering a culture of environmental responsibility and community engagement. The teachers and students have come together to celebrate various observation days with great enthusiasm, promoting awareness and action on critical environmental issues.

One of the notable initiatives undertaken by the Eco-Club is the planting of 150 trees along the roadside. This effort not only beautifies the surroundings but also contributes to a greener environment, supporting local biodiversity and mitigating climate change.

In addition to tree planting, the Eco-Club has organized cleanliness drives, targeting the temple surroundings, roads, and school campus. These activities have instilled a sense of civic responsibility among students, promoting teamwork and community spirit.



Through creative workshops, children have learned to transform waste materials into decorative items, fostering innovation and resourcefulness. This hands-on approach has enabled students to think creatively about waste



management, recognizing the value of recycling and reuse.

The Eco-Club's initiatives have not only enhanced the school's environment but have also had a profound impact on the students. By participating in these activities, children have developed essential life skills.

Banshidhar Bidyapitha's Eco-Club serves as a shining example of how collective action can drive positive change, inspiring a new generation of environmentally conscious citizens.

SUCCESS STORY OF, GOVT. COE HIGH SCHOOL ECO CLUB, ROURKELA

The Eco Club at our school is a voluntary group dedicated to promoting environmental awareness and activism among students. By empowering students to take charge of environmental activities and projects, we aim to foster a sense of responsibility and stewardship.

Our Eco Club committee, comprising teachers and students from classes 5-10, has made a joint pledge to maintain a clean and green school environment. Through various initiatives, we have created awareness about personal hygiene and cleanliness, Organized fire safety training programs, Conducted demonstrations on environmental consciousness and pollution control, Hosted



competitions on "Swachhata hin Susthata" and "Swachh Bharat Abhiyan", Organized symposia and seminars on green plantations and herbal plantations, Developed creative competitions on "Clean India, Green India", Established a library to promote book reading and habit formation.

Our Eco Club initiatives have been instrumental in creating a positive attitude and inspirational spirit towards maintaining a clean, green, safe, healthy, and beautiful school environment. We will continue to explore



innovative ways to promote environmental awareness and activism, ensuring a sustainable future for our students and community.

By emphasizing the importance of minimum investment and maximum benefit, our Eco Club project has become a shining example of how students can drive positive change. We look forward to continued support and appreciation from the intellectual community.



PHYSICAL AWARENESS PROGRAMME ON "ELIMINATION OF SINGLE USE PLASTICS"



Bauti Govt. High School, Ekadal, Cuttack successfully organized an awareness programme on "ELIMINATION OF SINGLE USE PLASTICS" in collaboration with the Centre For Environmental Studies (CES) Forest, Environment and Climate Change Department, Govt of Odisha. The event held on 8th November 2024 aimed to educate students, staff and the local villagers about the harmful effects of single use plastics on the environment.

The program began with an awareness rally through the Ekadal village. Then the students and villagers cleaned the outside area of the school boundary and planted saplings to further enhance the environmental impact.



Babita Sahoo

Teacher In Charge, Eco-Club

The programme featured interactive sessions including Exhibition of do-it-yourself (DIY) Crafts showcasing eco-friendly alternatives to single-use plastic and Hands on Demonstration and Pledge taking. The Chief guest Mr. Prasant Kumar Nayak,



Information Officer, Centre For Environmental Studies emphasised the importance of reducing the use of Single use plastic and adopting the eco-friendly habits.

Through the collective efforts of school students, staffs, and the villagers, the event has laid the foundation for long-term behavioural changes in reducing plastic waste. The initiatives taken during the program will continue to impact the village and contribute to the broader goal of creating a sustainable, plastic-free environment.

Together, we can make a difference!



GREEN CORPS OF GOVT. U.G. HIGH SCHOOL KUMARIPARI, GANJAM: LEADING THE WAY TO SUSTAINABILITY



A Youth and Eco Club is a group or organization formed in Govt. U.G. High School Kumaripari, Ganjam with the goal of raising awareness about environmental issues, promoting sustainable practices, and involving young people in actions that help protect and conserve the planet. These clubs are often found in schools, communities, or even online spaces and are typically focused on educating youth about environmental challenges while also providing opportunities for them to participate in eco-friendly activities. Some common activities for a Youth and Eco Club include:

1. **Tree Planting:** We Organizing events where members plant trees or native plants to help combat deforestation and promote biodiversity.
2. **Recycling Campaigns:** We Encouraging recycling at home,



school, or in the community to reduce waste and promote reuse.

3. **Community Clean-Ups:** We Organizing efforts to clean parks, beaches, streets, or other public areas.
4. **Environmental Awareness Campaigns:** We Creating educational programs, posters, or presentations to raise awareness about climate change, pollution, and conservation.
5. **Sustainable Gardening:** We Encouraging the practice of gardening using eco-friendly methods like composting or organic farming.
6. **Workshops and Guest Speakers:** We Inviting environmental experts or activists to talk about key environmental topics and give guidance on how to live more sustainably.
7. **Eco-Friendly Products or Services:** We Promoting sustainable products or offering services such as upcycling or reducing single-use plastic.
8. **Energy Conservation** We Educating about energy-saving practices, like reducing electricity consumption or using renewable energy sources.

These clubs help foster leadership, teamwork, and a sense of responsibility towards the environment, inspiring youth to take action and become eco-conscious citizens.

SUCCESS STORY OF PADMADEIPUR GOVT. PRIMERY SCHOOL, NAYAGARH

Eco clubs in schools will empower students to participate and take up meaningful environmental activities and projects. It is a forum through which students can reach out to influence, engage their parents and neighbourhood communities to promote sound environmental behaviour. It will empower students to explore environmental concepts and actions beyond the confines of a syllabus or curriculum. While everyone, everywhere, asserts the importance of 'learning to live sustainably,' environment remains a peripheral issue in the formal schooling system.

It is not just an extracurricular activity but will be made a priority subject in the national curriculum.

IMPLEMENTATION :

The Eco-Club in each school will be made up of teachers and a group of motivated students to learn about the environment and to take action to improve their immediate environment. They will also provide a wonderful opportunity to help generate awareness, build attitudes and enable students to take up activities in the real world, in a way that the constraints of the classroom and curriculum won't allow. Any motivated teacher from the school could become the coordinator for the Eco-Green Club. Training Sessions will be carried out in LGAs for teachers and students on how to set the clubs up. A written guide to setting up and running the clubs will be provided for the interested schools. The guide will illustrate clearly how an Eco-Green club can be initiated in the school, how many students should ideally be in the club and what kind of activities and projects can be undertaken by the club. This guide will help the Eco club coordinator in the schools to systematically and successfully run the club and reach out to the



community. Schools will also regularly attend the training conducted by the National Eco-Green Club Board. Reporting Schools committed to the initiative are expected to come up with an annual plan for their Club. Teachers who attend Eco-Green Club training are given an Eco-Green club evaluation check list sheet, this will be filled in by schools and used for monitoring and evaluation. Awards will be given to encourage the club members.

ARRANGEMENTS FOR CAPACITY-BUILDING:

Capacity Building by training teachers and students. Create awareness and sensitivity among students towards environmental issues and their connected problems. Impart knowledge to help individuals and social groups gain a variety of experiences in and acquire a basic understanding of the environment and its associated problems. Build attitudes to help individuals and social groups acquire a set of values and feelings of concern for the environment, and the motivation for actively participating in environmental improvement and protection. Teach skills to help individuals and social groups to identify and solve environmental problems and lead students towards action to participate in appropriate action to help solve these problems and avoid future problems.

SUCCESS STORY OF ECO-CLUB ACTIVITY, PANCHAYAT NODAL HIGH SCHOOL, KUMURISINGHA, ANGUL

Panchayat Nodal High School, Kumurisingha, Angul observed different environmental and eco club related national and international days in each year and create awareness among students as well as public keeping an eye for 'Green World'.

The school observed National Math. Day in 22nd December in memory of the birthday of our great mathematician Srinivasa Ramanujan. They arranged a seminar on the topic 'Ramanujan the Legend of Mathematics'.



In 21st March World Forestry Day was observed by a rally in local village. In 22nd March observed World Water Day with a seminar 'Water-the -Life'.

World Environment day was observed in 5th June each year with a rally, awareness campaign



Mr. Biswanath Swain
Teacher

among the students and public. The first week of July every year the school was observed 'Van Mahotsav' in great vigour and enthusiasm. On that day plantation, rally, talks were arranged in local village area and school.



In 16th September World Ozone Day was observed by the Eco club of the school. Polythene Free World campaign was organised by the Eco-club of our School by conducting Rally and Talks. The Cleanliness Drive was put force in every two months by cleaning school premises, Temple, Tube well surroundings.



Apart from all these activities Essay, Debate and Painting competitions were organised in different days keeping in mind its importance and instructions by Eco Club authority and prizes were given to students.

ECO-CLUB SUCCESS STORY OF BINAPANI NODAL HIGH SCHOOL, DIGHI, RAJNAGAR

Jagannath Prasad Upadhyaya
Eco-Club in-charge Teacher

PLASTIC FREE CAMPAIGN

Binapani Nodal High school Eco-Club organises a plastic free campaign to make our Environment Eco-friendly in a befitting manner in the school campuses, nearest Binapani market and Dighi village with the active participation of all students, teachers, local social activists on every year respectively.

A awareness meeting also holds in this regard in School campus under the guidance of Eco-club In charge teacher Mr. Jagannath Prasad Upadhyaya and chairmanship of Head Master Mr. Asutosh Pradhan, to ensure the students to get more and more knowledge about the harmful effects of plastic and polythene towards our environment like Oceans, Rivers, Soil, and eventually our food supply.

In this context a huge rally also performs their duty with plastic free campaign banners, plastic free slogans, quotations, placards etc. by the students and the teachers. They aware the public the harmfulness of plastic and polythene. Simultaneously thirty to fifty (30-50) nos of eco-club students collects plastic wastes and polythene. They also suggest the merchants of the market and general public of the village Dighi to dump the polythene and plastic wastes in the particular earmarked wastebin.

Binapani Eco-club is continuing this kind of campaigning every Year and create awareness among localities and reduce plastic uses and polythene. At the same time School Eco-club initiates, a signature campaign to make people promise that they won't use plastics and polythene anymore.

CELEBRATION OF BANA MAHOTSAVAS

Binapani high school Dighi has been celebrating the most greenery festival Bana

Mahotsava every year on July first week and create awareness of requirements of plantation, decreasing of carbon dioxide in our atmosphere, climate change and the reason of raising of surface temperature of our Earth. Along with celebration, a awareness meeting with Eco experts Forest officers is done by the Eco teacher Jagannath Prasad Upadhyaya under the chairmanship of Mr Asutosh Pradhan HM of our school. After the meeting plantation of nos of saplings also are done by Eco experts/teachers and eco club students every year.

ONE PLANTATION DAY IN A MONTH

One of the very innovative programme that We continue, one plantation day is fixed in a month by our Authority in which Eco students with the active involvement of our Eco Teacher are engaged in plantation and nurturing work for a period in nearest localities and social places. Some Eco students are promised to nurture the sapling individually adopting that plant till it will get matured.

OTHER ENVIRONMENT RELATED DAYS

Along with above continuous celebration and campaigning, Binapani Eco club students and teacher also celebrates the Environment related days such as World Environment Day, World Forestry Day, World Water Day, World Health Day, World Ozone Day, World Wildlife week, World Wetland Day, National Energy Conservation Day.

Along with , By the special efforts of Binapani co club Eco Teacher and Eco students prepare a marvelous seasonal flower garden within our campus with Nos os Dalia, Inka, Salvia, Geniaa, Dynthus, Pitunia, Sunflower of different varieties to make a magnificent surrounding of our school campus.

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ସବୁଜିମା କୋଳରେ
ହସଖୁସି ଖେଳେରେ

Mr. Biswanath Swain, Teacher

ସୁସ୍ଥ ସୁନ୍ଦର ଜୀବନଧାରଣ ପାଇଁ ମାନବ ସମାଜ ପକ୍ଷରେ ଏକ ଉପଯୁକ୍ତ ପରିବେଶର ଆବଶ୍ୟକତା ରହିଛି। ଆମେ ଆମ ଚାରିପାର୍ଶ୍ୱକୁ ଆମ ପରିବେଶ ବୋଲି କହିଥାଉ। କେବଳ ମଣିଷ ସମାଜ କାହିଁକି, ସମଗ୍ର ପ୍ରାଣୀ ସମାଜ ପାଇଁ ପରିବେଶ ଏକ ଗୁରୁତ୍ୱପୂର୍ଣ୍ଣ ଭୂମିକା ଗ୍ରହଣ କରିଥାଏ।

ଏହି ପରିବେଶର ସୁରକ୍ଷା ରକ୍ଷା କରିବା ଆମ ଉପରେ ନିର୍ଭର କରିଥାଏ। ପରିବେଶ ସୁସ୍ଥ ଓ ନିର୍ମଳ କରିଲେ ପ୍ରାଣୀ ନିରୋଗ ଓ ସୁସ୍ଥ ଜୀବନଯାପନ କରିବେ। ଏହି ଲକ୍ଷ୍ୟରେ ଜୁନ୍ ମାସ ୫ ତାରିଖକୁ ପରିବେଶ ଦିବସ ରୂପେ ପାଳନ କରାଯାଉଛି। ଏହାର ଉଦ୍ଦେଶ୍ୟ ସମସ୍ତେ ସୁସ୍ଥ ଓ ନିର୍ମଳ ପରିବେଶ ପ୍ରତି ସଚେତନ ହେବେ। ତେଣୁ ସବୁଜିମା କୋଳରେ ହସଖୁସିରେ ନିରୋଗ ଜୀବନଯାପନ କରିବା ପାଇଁ ପ୍ରତ୍ୟେକ ସ୍ତରରେ ଏହାର ପ୍ରୟାସ ଚାଲିଛି। ସରକାର ମଧ୍ୟ ଏଥି ନିମନ୍ତେ ବିଭିନ୍ନ ପଦକ୍ଷେପ ଗ୍ରହଣ କରୁଛନ୍ତି। ଏହାକୁ ଲକ୍ଷ୍ୟରଖି ପ୍ରତି ବିଦ୍ୟାଳୟରେ ଇକୋ କ୍ଲବ୍ ଗଠନ ହୋଇଅଛି। ଏଥିରେ ପ୍ରତ୍ୟେକ ଶ୍ରେଣୀର କିଛି କିଛି ପିଲାମାନେ, ପ୍ରଧାନ ଶିକ୍ଷକ ଓ ସହକାରୀ ଶିକ୍ଷକ-ଶିକ୍ଷୟତ୍ରୀ ସାମିଲ ରହୁଛନ୍ତି। ଏହାର ଉଦ୍ଦେଶ୍ୟ ହେଲା ପରିବେଶ ପ୍ରଦୂଷଣ ନିରାକରଣ କରିବା।



ପରିବେଶର ସଂପୂର୍ଣ୍ଣ ପ୍ରଦୂଷଣ ନିରାକରଣ ପାଇଁ ଆମ ଛାତ୍ର ସମାଜର ମଧ୍ୟ ବିଶେଷ କର୍ତ୍ତବ୍ୟ ରହିଛି। ତାହାକୁ ମାର୍ଗଦର୍ଶନ ଦେଇ ଶିକ୍ଷକ ଘର ଓ ବିଦ୍ୟାଳୟ ପରିବେଶରେ ବହୁ ସଂଖ୍ୟାରେ ବୃକ୍ଷରୋପଣ କରି ପରିବେଶକୁ ସଜାଡ଼ିବାକୁ ଚେଷ୍ଟିତ ଅଛନ୍ତି। ଜୀବଜଗତ ତଥା ମାନବ ସମାଜ ବଞ୍ଚୁରହିବା ପାଇଁ ପରିବେଶ ସୁରକ୍ଷା ନିମନ୍ତେ ନିୟମିତ ବୃକ୍ଷରୋପଣ ଓ ଏହାର ପାଳନ କରାଯିବା ଆବଶ୍ୟକ। ଏଥିପାଇଁ ଜନସଚେତନତା ସୃଷ୍ଟି ପାଇଁ ବିଦ୍ୟାଳୟ ଇକୋ କ୍ଲବ୍ ପକ୍ଷରୁ ଗ୍ରାମରେ ପଦଯାତ୍ରା, ସଚେତନତା ସଭା କରାଯାଉଛି। ଅସ୍ପଷ୍ଟ ପରିବେଶ ଆମ ସମାଜ ପାଇଁ ଅଭିଶାପ ସଦୃଶ। ଏସବୁ କାର୍ଯ୍ୟକ୍ରମ ଇକୋ କ୍ଲବ୍ ମାଧ୍ୟମରେ ସମ୍ଭବ ହୋଇପାରିଛି। ଫଳାଫଳ ସଦୃଶ ଏବେ ଗ୍ରାମ, ରାଷ୍ଟ୍ରାକଡ଼, ମନ୍ଦିର ପ୍ରାଙ୍ଗଣ ଓ ବିଦ୍ୟାଳୟ ପରିସରରେ ବହୁଳ ମାତ୍ରାରେ ବୃକ୍ଷରୋପଣ କରାଯାଉଛି।



ଆମ ଜୀବନ ରକ୍ଷା ପାଇଁ ବାୟୁମଣ୍ଡଳରେ ଯେଉଁ ଅମ୍ଳଜାନ ଦେଖାଦିଏ, ତାହା ଆମେ ବୃକ୍ଷଲତାରୁ ହିଁ ପାଇଥାଉ। ବୃକ୍ଷ ନିଜ ପତ୍ରର ପ୍ରସାର ଦ୍ୱାରା ଅଜ୍ଞାନକାମୁକୁ ଶୋଷଣ କରି ଅମ୍ଳଜାନ ଛାଡ଼ିଥାଏ। ଅଜ୍ଞାନକାମୁ ହେଉଛି ବୃକ୍ଷର ଖାଦ୍ୟ। ତେଣୁ ପରିବେଶ ପ୍ରଦୂଷଣକୁ ନିରାକରଣ କରିବା ପାଇଁ ଓ ଆତ୍ମମାନଙ୍କ ଜୀବନ ରକ୍ଷା ନିମନ୍ତେ ଅମ୍ଳଜାନ ଯୋଗାଇବା ପାଇଁ ଆମ ପରିବେଶରେ ବହୁଳ ସଂଖ୍ୟାରେ ବୃକ୍ଷରୋପଣ କରିବା ଆବଶ୍ୟକ। ବିଦ୍ୟାଳୟ ଇକୋ କ୍ଲବ୍ ଜରିଆରେ ବିଦ୍ୟାଳୟ ପରିସର ତଥା ଏହାର ଆଖପାଖରେ ତଥା ଗ୍ରାମରେ ବୃକ୍ଷରୋପଣ କରି ଜନସାଧାରଣଙ୍କୁ ସଚେତନ କରିବାରେ ପ୍ରମୁଖ ଭୂମିକା ନେଇଅଛି।



SAI SAINIK ECO-CLUB MAKING ENVIRONMENTAL AWARENESS



The Sai Sainik Eco-club Sunsbedas's remarkable journey began with a small group of 15 passionate students determined to make a positive impact on their school environment. Faced with the challenges of excessive plastic use and lack of greenery, the Eco-club took the initiative to bring about transformative change.

Through relentless efforts, the Eco-club achieved a remarkable 70% reduction in plastic use. Students and staff now proudly use steel and glass bottles, cloth bags, and steel lunch boxes. Over 300 trees have been planted in and around the school, creating a lush and vibrant environment. The Eco-club's initiatives have inspired increased student participation in environmental activities, fostering a sense of responsibility and ownership. The school environment has undergone a significant



transformation, becoming cleaner, greener, and more sustainable. The Eco-club's efforts have nurtured a deep connection between students and nature, promoting environmental responsibility and stewardship.

The Sai Sainik Eco-club extends its heartfelt gratitude to CES Odisha for providing invaluable guidance and support. Their expertise and encouragement have been instrumental in establishing a strong connection with nature. The Sai Sainik Eco-club remains committed to carrying the baton towards a sustainable future. With renewed enthusiasm and dedication, they will continue to inspire and educate their peers, ensuring a greener and more environmentally conscious tomorrow.



SSVM, NAHARKANTA EMPOWERING ECO-CONSCIOUSNESS



Saraswati Shishu Vidya Mandir, Naharkanta, Bhubaneswar has embarked on a remarkable journey to promote environmental awareness and conservation among its students. During the educational year 2024-25, the school organized a plethora of activities focused on wetlands conservation, reducing plastic use, celebrating World Environment Day, and promoting tree planting. The school conducted various activities, including speeches, drawing competitions, rallies, awareness programs, and general knowledge competitions, catering to diverse interests and learning styles. These initiatives successfully imparted valuable knowledge to students about the importance of wetlands conservation, the hazards of plastic use, and the need for environmental protection.

The activities provided a platform for students to showcase their talents, and teachers were delighted to discover the hidden potential of their students. Teacher-Student Engagement: The events fostered a sense of camaraderie and shared purpose among teachers and students, creating a positive and supportive learning environment.

Saraswati Shishu Vidya Mandir is committed to continuing its environmental initiatives with enthusiasm and dedication. The school's efforts will inspire future generations to become responsible stewards of the environment, ensuring a sustainable and eco-friendly tomorrow.

PANCHANAN HIGH SCHOOL, GREENING THE FUTURE

Panchanan High School, Badakhuri, Balasore, has emerged as a beacon of environmental sustainability and energy conservation. The school's Eco and Energy Clubs have made significant contributions to environmental education and sustainable practices, achieving remarkable success in promoting environmental awareness and sustainable energy practices.

The school has seamlessly integrated eco-club activities into its curriculum, encouraging active student participation in green initiatives. The Eco and Energy Clubs have successfully promoted environmental awareness through rallies, debates, awareness programs, and competitions. Students have actively engaged in sustainable practices like tree plantation, waste management, and plastic-free campaigns. Energy Conservation: The school has organized essay, debate, and quiz competitions focused on saving energy, fostering a culture of energy conservation.

The Eco and Energy Clubs' initiatives have had a profound impact on the school community, inspiring students to become environmentally conscious and responsible citizens. By integrating environmental education into the curriculum, Panchanan High School has set a exemplary model for other educational institutions to follow.



ଆବର୍ଜନାମୁକ୍ତ ବିଶ୍ୱ ହିଁ ସୁସ୍ଥତାର ପ୍ରତୀକ

ଜାତିର ଜନକ ମହାତ୍ମା ଗାନ୍ଧୀ ସେ ସମୟରେ ଅନୁଭବି ପାରିଥିଲେ, ଯଦି ସ୍ୱଚ୍ଛତାକୁ ଗୁରୁତ୍ୱ ଦିଆ ନ ଯାଏ, ତେବେ ବିଶ୍ୱକୁ ବିପଦ ଘନେଇ ଆସିବ। ଯାହା ଆଜିର ସମାଜରେ ଆମେ ଅନୁଭବ କରିପାରୁଛେ। ତେଣୁ ସ୍ୱଚ୍ଛତା ପ୍ରତି ସମନ୍ୱ ପ୍ରଚେଷ୍ଟା ନିତାନ୍ତ ଆବଶ୍ୟକ।

ସ୍ୱଚ୍ଛତା ହିଁ ସୁସ୍ଥ ଓ ସୁଜନଶୀଳ। ଆତ୍ମା ବିନା ଶରୀର ଅବସ୍ଥା ଯାହା ସ୍ୱଚ୍ଛତା ବିନା ସମାଜର ଅବସ୍ଥା ତାହା। ଏକ ବିଂଶ ଶତାଦ୍ଦୀ ବାସ୍ତବରେ ଫିଙ୍ଗାଫୋପଡ଼ା ଓ ଅଳିଆ ଆବର୍ଜନାମୟ ପରିବେଷଣୀ ଯୋଗୁଁ ଇତସ୍ତତଃ। ଅଧୁନା ବିଶ୍ୱବାସୀ ବସ୍ତୁବାଦୀ ନହୋଇ ଭୋଗବାଦୀ ହୋଇଯାଇଛନ୍ତି। ଶ୍ରେୟ ଅପେକ୍ଷା ପ୍ରେୟ ପ୍ରତି ଅଧିକ ଆକୃଷ୍ଟ ହେଉଛନ୍ତି। ସଂପ୍ରତି ବିଶ୍ୱରେ ଆବର୍ଜନାର ପରିମାଣ ଗତ ୨୦ ବର୍ଷ ମଧ୍ୟରେ ୫ ଗୁଣରୁ ଅଧିକ ହୋଇଯାଇଛି। ମହାତ୍ମା ଗାନ୍ଧୀ ଯଥାର୍ଥରେ ସୁଚୀତ କରିଛନ୍ତି ଯେ ଦେଶର ସ୍ୱାଧିନତାର ସୁରକ୍ଷା ଯେପରି ଆବଶ୍ୟକ ସେହିପରି ସ୍ୱଚ୍ଛତା ପ୍ରତି ସମନ୍ୱ ପ୍ରଚେଷ୍ଟା ଅନୁଭୂତ। ଦକ୍ଷିଣ ଆଫ୍ରିକାରେ ଥିବା ସମୟରେ ସେ ଉପଲବ୍ଧି କରିଥିଲେ ଯେ ପ୍ରତ୍ୟେକ ବ୍ୟକ୍ତି ନିଜ ନିଜର ଝାଡୁଦାର ହେବା ଉଚିତ। ତାଙ୍କ ମତରେ ଯେ ପର୍ଯ୍ୟନ୍ତ ଆମେ ଝାଡୁ ଓ ବାଲଟି ଧରି ନିଜ ନିଜର ଗୃହ, ଗ୍ରାମ ଓ ସହର ସଫା କରିବା ପାଇଁ ଆଗଭର ନ ହୋଇଲେ ଏକ ଶାନ୍ତ, ସ୍ୱଚ୍ଛ, ସବୁଜ, ସୁନ୍ଦର ଓ ସୌହାର୍ଦ୍ଦ୍ୟପୂର୍ଣ୍ଣ ସମାଜ ଗଠନ ଅସମ୍ଭବ। ମୁଖ୍ୟତଃ ଆବର୍ଜନା ମଧ୍ୟରେ କଠିନ, ତରଳ, ଗ୍ୟାସୀୟ, ଇଲେକ୍ଟ୍ରୋନିକ୍, କୃଷି ଜାତ ଓ ବିଶେଷତଃ ପ୍ଲାଷ୍ଟିକ୍ ମୁଖ୍ୟତଃ ଅନ୍ତର୍ଭୁକ୍ତ। ମୋଟାମୋଟି ଭାବରେ ଯେ କୌଣସି ଆବର୍ଜନାର ସୁପରିଚାଳନା ନ କଲେ ସ୍ୱାସ୍ଥ୍ୟ ତଥା ପରିବେଷଣୀ, ଜଳବାୟୁ ଉପରେ କୁ-ପ୍ରଭାବ ପରିଦୃଷ୍ଟ ହେବ। ସଂପ୍ରତି ଜୀବନ ଜୀବିକାରେ ପ୍ଲାଷ୍ଟିକ୍ ବ୍ୟବହାର ଅପରିହାର୍ଯ୍ୟ ହୋଇଯାଇଛି। ଖ୍ରୀଷ୍ଟପୂର୍ବ ୧୬୬୦ରେ ଉତ୍ତର ଆମେରିକାର କିଛି ଅଂଚଳର ଅଧିବାସୀ ରବରରୁ

ରୁଇଙ୍ଗମ ପରି ପ୍ରାକୃତିକ ପଲିମର ପ୍ରସ୍ତୁତ କରିଥିଲେ। ଡ୍ୱାଇଲେସ୍. ଏଚ୍. କାରୋଥର୍ସ ନାମକ ଜଣେ ରସାୟନବିତ ପ୍ଲାଷ୍ଟିକ୍ କୁ ଲୋକ ଲେ। ଚ ନ କୁ ଆଣିଥିଲେ। ପ୍ଲାଷ୍ଟିକ୍ ‘ପଲିମର’ ପରିବାରର ଅନ୍ତର୍ଭୁକ୍ତ। ଯେଉଁ ପଲିମର ଗୁଡ଼ିକ ନମନଶୀଳତା ଗୁଣ ଧାରଣ କରନ୍ତି ସେଗୁଡ଼ିକୁ ଆମେ ପ୍ଲାଷ୍ଟିକ୍ କହିଥାଉ। ଏଥିରେ ଦୈନନ୍ଦିନ ଜୀବନରେ ବ୍ୟବହୃତ ସୁନ୍ଦର, ସହଜ ଓ ସୁଲଭ ମୂଲ୍ୟର ପଦାର୍ଥ ଉପଲବ୍ଧ ହୁଏ। ଗ୍ରୀକ୍ ଭାଷାରେ ପ୍ଲାଷ୍ଟିକ୍ ଶବ୍ଦର ଅର୍ଥ ‘ଗଠନ କରିବା’ ବା ‘ଆକୃତି ଦେବା’। ପଲିଥିନ ନାମକ ପଲିମର ୧୯୩୩ ମସିହାରେ ଇଂଲଣ୍ଡର ନର୍ଥ ଉଇଚର ନାମକ ରସାୟନିକ କାରଖାନାରେ ଆବିଷ୍କୃତ ହୋଇଥିଲା। ବ୍ରିଟିଶ୍ ସୈନିକମାନେ ଏହି ପଲିମରକୁ ଦ୍ୱିତୀୟ ବିଶ୍ୱଯୁଦ୍ଧରେ ବ୍ୟବହାର କରିଥିଲେ। ପ୍ରଥମେ ସିନ୍ଥେଟିକ୍ ପ୍ଲାଷ୍ଟିକ୍ କୁ ବେକେଲାଇଟ୍ କୁହାଯାଉଥିଲା ଏବଂ ଏହାକୁ ଜୀବାଣୁ ଇନ୍ଧନରୁ ବାହାର କରାଯାଇଥିଲା। ବିଭିନ୍ନ ପ୍ରକାର ପ୍ଲାଷ୍ଟିକ୍ ବଜାରରେ ଉପଲବ୍ଧ ହେଉଛି। ଏଗୁଡ଼ିକ ପଲିଥିନ୍ ଇଥାଇଲିନ୍ ଟେରେଫଥାଲେଟ୍ (ପି.ଇ.ଟି.), ଉଚ୍ଚ ଘନତ୍ୱ ଏବଂ ନିମ୍ନ ଘନତ୍ୱ ବିଶିଷ୍ଟ ପଲିଥିନ୍ (ଏଚ୍.ଡି.ପି.ଇ. ଓ ଏଲ୍.ଡି.ପି.ଇ.), ପଲିଭିନାଇଲ୍ କ୍ଲୋରାଇଡ୍ (ପି.ଭି.ସି), ପଲିପ୍ରୋପାଇଲିନ୍, ପଲିଷ୍ଟେରିନ୍ ଏବଂ ପଲିକାର୍ବୋନେଟ୍ ଇତ୍ୟାଦି।



ପ୍ଲାଷ୍ଟିକ୍ ସାମଗ୍ରୀ ଦୈନନ୍ଦିନ ଜୀବନରେ ଜାଲ ବିସ୍ତାର କରି ସାରିଛି। ପ୍ଲାଷ୍ଟିକ୍ ଯୋଗୁଁ ସୃଷ୍ଟି ହେଉଥିବା ସମସ୍ୟା ସଂପର୍କରେ ଆମେ କେବେ ଗୁରୁତ୍ୱ ଦେଇନେ। ପ୍ଲାଷ୍ଟିକ୍ ବ୍ୟବହାର ବହୁଳ ଭାବରେ ବୃଦ୍ଧି ପାଇବା ଜୀବଜଗତ ପ୍ରତି ବିପଦଜନକ। ୧୯୬୦ରେ ବିଶ୍ୱରେ ୫୦ ଲକ୍ଷ ଟନ୍ ପ୍ଲାଷ୍ଟିକ୍ ପ୍ରସ୍ତୁତ କରାଯାଇଥିଲା। ଏବେ ଏହା ୪୦୦ ମିଲିଅନ୍ ମେଟ୍ରିକ୍ ଟନ୍ ରେ ପହଞ୍ଚିଛି। ଅର୍ଥାତ୍ ସମସ୍ତ ଲୋକଙ୍କ ପାଇଁ ପ୍ରତ୍ୟେକ ବର୍ଷ ବିଶ୍ୱରେ ୨୮ କି.ଗ୍ରା. ଓ ଭାରତରେ ବାର୍ଷିକ ୧୧ କି.ଗ୍ରା. ପ୍ଲାଷ୍ଟିକ୍ ପ୍ରସ୍ତୁତ କରାଯାଉଛି। ଇକୋନୋମିକ୍ ଫୋରମର ଏକ ରିପୋର୍ଟ ଅନୁଯାୟୀ ଭାରତରେ ପ୍ରତିଦିନ ୧୬ ହଜାର ଟନ୍ ପ୍ଲାଷ୍ଟିକ୍ ଆବର୍ଜନା ସୃଷ୍ଟି ହେଉଛି। ପୃଥିବୀରେ ଏକ ମିନିଟ୍ କୁ ପ୍ରାୟ ଏକ ମିଲିୟନ ପ୍ଲାଷ୍ଟିକ୍ ପାଣି ବୋତଲ ଓ ପ୍ରତି ବର୍ଷ ୫ ଟ୍ରିଲିଅନ୍ ଏକକ ବ୍ୟବହୃତ ପ୍ଲାଷ୍ଟିକ୍ ବ୍ୟାଗ ବ୍ୟବହାର କରି ଫୋପାଡ଼ି ଦିଆଯାଉଅଛି। ପଲିଥିନ୍ ଆବର୍ଜନାକୁ

ଗାଈଗୋରୁ ଖାଇ ଅସୁସ୍ଥ ହୋଇ ପଢୁଛନ୍ତି । କିଛି ପ୍ରାଣୀ ପ୍ଲାଷ୍ଟିକ୍ ଆବର୍ଜନାକୁ ଖାଇ ଏକ ନୂତନ ଜୈବ ମଣ୍ଡଳ ଗଠନ କରୁଛନ୍ତି ଯାହାକୁ “ପ୍ଲାଷ୍ଟିକ୍ ଫିଅର” ବୋଲି କୁହାଯାଉଛି । ଏଣେତେଣେ ପ୍ଲାଷ୍ଟିକ୍ ଓ ପଲିଥିନ ଗଦା ହୋଇ ରହିବାରୁ ମଶା ବଂଶ ବୃଦ୍ଧି ପାଇ ଡେଙ୍ଗୁ, ଚିକେନଗୁନିଆ, ମ୍ୟାଲେରିଆ ପ୍ରଭୃତି ମାରାତ୍ମକ ରୋଗ ସୃଷ୍ଟି ହେଉଛି । ଆମ ଶରୀରରେ ପ୍ଲାଷ୍ଟିକ୍ ବର୍ଜ୍ୟର ପରିମାଣ ବଢିବାରେ ଲାଗିଛି । ଯାହାଫଳରେ ଆମେ ଏକ ନୀରବ ମୃତ୍ୟୁ ଆଡକୁ ଅଗ୍ରସର ହେଉଛେ । ନିକଟରେ ପ୍ରକାଶିତ ବିଶ୍ୱ ବନ୍ୟଜନ୍ତୁ ପାଣ୍ଠି (ଡବ୍ଲ୍ୟୁ ଡବ୍ଲ୍ୟୁ ଏଫ୍) ର ଏକ ରିପୋର୍ଟ ଅନୁଯାୟୀ ଜଣେ ବ୍ୟକ୍ତି ଶରୀରରେ ସପ୍ତାହକୁ ୨ ହଜାର ଅତିକ୍ରମ ପ୍ଲାଷ୍ଟିକ୍ ଖଣ୍ଡ ପ୍ରବେଶ କରୁଛି । ବଡ ବଡ ପ୍ଲାଷ୍ଟିକ୍ ଖଣ୍ଡ ଉତ୍ତାପ ଓ ବାୟୁଦ୍ୱାରା ଛୋଟ ଛୋଟ ମାଇକ୍ରୋପ୍ଲାଷ୍ଟିକ୍ରେ ପରିଣତ ହୋଇ ନାଲ ନର୍ଦ୍ଦମା ଓ ସମୁଦ୍ରରେ ମିଶୁଛି । ସମୁଦ୍ର ଜଳରେ ଛୋଟ ଛୋଟ ଭାସୁଥିବା ପ୍ଲାଷ୍ଟିକ୍ ଖଣ୍ଡ ଦେଖିବାକୁ ଛୁ ପ୍ଲାଙ୍କଟନ ଭଳି । ଏହାକୁ ଖାଦ୍ୟ ବୋଲି ଭାବି ଜେଲିଫିସ୍ମାନେ ଗିଳି ଦିଅନ୍ତି । ସର୍ବେକ୍ଷଣରୁ ଜଣାପଡିଛି ୨୦୫୦ ମସିହା ସୁଦ୍ଧା ସମୁଦ୍ରରେ ମାଛ ଅପେକ୍ଷା ପ୍ଲାଷ୍ଟିକ୍ ଖଣ୍ଡର ସଂଖ୍ୟା ଅଧିକ ହେବ । ସମୁଦ୍ର ପ୍ରତି ବର୍ଷ ମାଇଲ ପରିସୀମାରେ ପ୍ରାୟ ୪୬ ଲକ୍ଷ ହଜାର ପ୍ଲାଷ୍ଟିକ୍ ଭାସୁଛି । ଆମେ ନିୟମିତ ଖାଉଥିବା ଲୁଣ, ଚାଉଳ ଓ ଅଣ୍ଡାରେ ବି ପ୍ଲାଷ୍ଟିକ୍ ଅଂଶ ଥିବା ଚର୍ଚ୍ଚାରେ ଆସୁଛି । ଏସିଆ ମହାଦେଶ ହିଁ ପ୍ଲାଷ୍ଟିକ୍ ପ୍ରଦୂଷଣର ଏକ୍ସ୍ଟ୍ରୀମା କହିଲେ ଅତ୍ୟୁକ୍ତି ହେବନାହିଁ । ଏସିଆ ମହାଦେଶର ସର୍ବ ବୃହତ୍ତମ ନଦୀ ଚୀନର ଚ୍ୟାଙ୍ଗ, ଜିଆଙ୍ଗ୍ରେ ସର୍ବାଧିକ ୧୪ ଲକ୍ଷ ଟନରୁ ଅଧିକ ପ୍ଲାଷ୍ଟିକ୍ ରହିଅଛି । ବୈଜ୍ଞାନିକମାନେ ମାରିନା ଟ୍ରେଞ୍ଜରେ ସମୁଦ୍ର ପତନର ୩୬ ହଜାର ଫୁଟ ତଳେ ପ୍ଲାଷ୍ଟିକ୍ ଆବର୍ଜନାକୁ ଠାବ କରିଛନ୍ତି । ସମୁଦ୍ର ବେଳାଭୂମିରେ ପ୍ଲାଷ୍ଟିକ୍ ମୟ ଆବର୍ଜନା ଠୁଳ ଯୋଗୁଁ ପର୍ଯ୍ୟଟକମାନଙ୍କ ସଂଖ୍ୟା କମିଯାଉଛି । ପ୍ଲାଷ୍ଟିକ୍ ଆବର୍ଜନାରୁ ପାଖାପାଖି ୮୫୦ ମିଲିଅନ୍ ଟନ୍ ଅଜ୍ଞାନକାମ୍ବୁ ବାୟୁମଣ୍ଡଳକୁ ପ୍ରବେଶକରି ସବୁଜ ଗୃହକୁ ବହୁମାତ୍ରାରେ ପ୍ରଭାବିତ କରୁଛି । କ୍ଲୋରିନେଟେଡ୍ ପ୍ଲାଷ୍ଟିକ୍ ପାରିପର୍ଶ୍ୱିକ ମୃତ୍ତିକାରେ କ୍ଷତିକାରକ ରାସାୟନିକ ପଦାର୍ଥ ନିର୍ଗତ କରିଥାଏ ଯାହା ଭୂତଳ ଜଳକୁ ଦୂଷଣ କରୁଛି । ଏହାକୁ ପାନକରି ପ୍ରାଣୀମାନଙ୍କର ସ୍ୱାସ୍ଥ୍ୟ ହାନୀ ହେଉଛି । ଯେହେତୁ ପଲିମର ଜୈବ ବିଘଟନ ନୁହେଁ, ଶତକଡ଼ା ପ୍ରାୟ ୮୦ ଭାଗ ପ୍ଲାଷ୍ଟିକ୍ ବା ପଲିଥିନ ଆବର୍ଜନା ସହର ଓ ଗ୍ରାମ ଉପକଣ୍ଠରେ ଇତସ୍ତତଃ ଭାବରେ ଗଦା ହୋଇ ରହେ । ସେଥିରୁ ଶତକଡ଼ା ୧୨ ଭାଗ ଆମେ ପୋଡ଼ି ନଷ୍ଟ କରି ଦେଉଛେ ଯାହାଫଳରେ ଡାଇଓକ୍ସିନ ଓ ବେଞ୍ଜିନ୍ ଭଳି ବିଷାକ୍ତ ବାଷ୍ପ ବାୟୁମଣ୍ଡଳରେ ମିଶି ପ୍ରତିକୂଳ ପ୍ରଭାବ ପକାଏ । ମାତ୍ର ଶତକଡ଼ା ୧୦ ଭାଗ ପ୍ଲାଷ୍ଟିକ୍ ପୁନଃବିଘଟନ ହୋଇ ପାରୁଛି । ଏତଦ୍ୱ୍ୟତୀତ ପ୍ରକାରତ୍ତରେ ପ୍ଲାଷ୍ଟିକ୍ ପ୍ରଦୂଷଣ ଯୋଗୁଁ ବିଶ୍ୱ ତାପନ, ଜଳବାୟୁ ପରିବର୍ତ୍ତନ, ବାୟୁମଣ୍ଡଳ, ଜଳମଣ୍ଡଳ ଓ ମୃତ୍ତିକାର ପ୍ରଦୂଷଣ, ଭୂତଳ ଜଳ ପ୍ରଦୂଷଣ, ଶ୍ୱାସ

ରୋଗ ଠାରୁ ଆଇରଏଡ୍ ହରମୋନ୍ର ଅସାମଞ୍ଜସ୍ୟତା, କର୍କଟ ଭଳି ମାରାତ୍ମକ ରୋଗର କ୍ଷତିକାରକ ଭାବରେ ପ୍ରମାଣିତ । ୨୦୧୬ ମସିହା ଗାନ୍ଧୀ ଜୟନ୍ତୀରେ କେନ୍ଦ୍ରସରକାର “ପ୍ୟାରିସ ପରିବେଶ ଚୁକ୍ତିନାମା” କୁ ସମର୍ଥନ କରି ଗ୍ରାମ ଓ ସହରରୁ ପ୍ଲାଷ୍ଟିକ୍ ବର୍ଜନ ପ୍ରଚଳନ ଅଧିନିୟମ କରିଛନ୍ତି । ଓଡ଼ିଶା ସରକାର ୨୦୧୮ ମସିହା ଅକ୍ଟୋବର ୨ରୁ ରାଜ୍ୟରେ ୫ ମହାନଗର ନିଗମ ଓ ପୁରୀ ପୌର ପରିଷଦ ଅଂଚଳରେ ପଲିଥିନ ବ୍ୟବହାରକୁ ସଂପୂର୍ଣ୍ଣ ବର୍ଜନ କରିଛନ୍ତି । ଚଳିତବର୍ଷ ରାଜ୍ୟର ସବୁ ମ୍ୟୁନିସିପାଲିଟି, ବିଜ୍ଞାପିତ ଅଂଚଳ ପରିଷଦ ଓ ଗ୍ରାମାଞ୍ଚଳରେ ଏହାକୁ କଡ଼ାକଡ଼ି ଲାଗୁ କରାଯିବା ପାଇଁ ସିଦ୍ଧାନ୍ତ ନେଇଛନ୍ତି । ୫୦ ମାଇଲ୍‌ରୁ କମ୍ ମୋଟେଇ ପ୍ଲାଷ୍ଟିକ୍ ବା ପଲିଥିନ, ୨୦୦ ମିଲିମିଟରରୁ କମ୍ ପାଣି ବୋତଲ, ଅର୍ନୋକୁଲ, ପ୍ଲାଷ୍ଟିକ୍ ଚାମଚ, କପ୍, ପ୍ଲେଟ୍, ଗ୍ଲାସ୍, ଆଲିଆ, ପାଣି ପାଉର୍ ଆଦି ସାମଗ୍ରୀ ବ୍ୟବହାର ଉପରେ କଟକଣା ଜାରିହେବା ସହିତ ଏହି ନିୟମର ଉଲ୍ଲଙ୍ଘନକାରୀଙ୍କ ପାଇଁ ଦଣ୍ଡ ବିଧାନର ମଧ୍ୟ ବ୍ୟବସ୍ଥା ରହିଛି । ଗ୍ରାମ ଓ ସହରାଞ୍ଚଳରେ ଏଦିଗରେ ଜନସାଧାରଣଙ୍କ ମାନସିକତାର ପରିବର୍ତ୍ତନ ପାଇଁ ଜଂଗଲ ଓ ପରିବେଶ ବିଭାଗର ସେଣ୍ଟର ଫର୍ ଏନ୍‌ଭର୍ଣ୍ଣମେଣ୍ଟାଲ୍ ଷ୍ଟଡିଜ୍ ତରଫରୁ ଇକୋ-କ୍ଲବ୍ ଦ୍ୱାରା ୨୦୧୬ ମସିହା ବିବିଧ ସଚେତନତା କାର୍ଯ୍ୟକ୍ରମ ଗ୍ରହଣ କରାଯାଉଛି । ପ୍ରତି ଇକୋ-କ୍ଲବ୍‌କୁ ପ୍ଲାଷ୍ଟିକ୍ ମୁକ୍ତ ଅନୁଷ୍ଠାନରେ ପରିଣତ କରିବାକୁ ପରାମର୍ଶ ଦିଆଯାଉଅଛି । ବୈଜ୍ଞାନିକମାନେ ସଂପ୍ରତି ଏକ ପ୍ରକାର ଅଣୁଜୀବ ଉଦ୍ଭାବନ କରିଛନ୍ତି, ଯାହାଦ୍ୱାରା ପ୍ଲାଷ୍ଟିକ୍ ବିଘଟିତ ହେବ । ଜାପାନର ବୈଜ୍ଞାନିକମାନେ ପ୍ଲାଷ୍ଟିକ୍ କ୍ଷୟ ପାଇଁ DPETASE ଅଣୁ ଘଟକ ଉଦ୍ଭାବନ କରିଛନ୍ତି । ଅପରନ୍ତୁ ପଲିମରର ବିକଳ ରୂପେ ଝୋଟ, କାଚ, ବାଉଁଶ, ଆଲୁମିନିୟମ୍ ଇତ୍ୟାଦି ପଦାର୍ଥରେ ପ୍ରସ୍ତୁତ ଜିନିଷ ବ୍ୟବହାର ପାଇଁ ପ୍ରୋତ୍ସାହନ ଦିଆଯାଉଅଛି । ପ୍ଲାଷ୍ଟିକ୍ ଆବର୍ଜନାରୁ ଇନ୍ଦନ, ରାସ୍ତା ପ୍ରସ୍ତୁତି, କଳ୍ପିଟ୍, ଗୃହନିର୍ମାଣ, ଇଟାପ୍ରସ୍ତୁତି ପାଇଁ ଶିଳ୍ପାଦ୍ୟୋଗାମାନଙ୍କୁ ପ୍ରୋତ୍ସାହନ ଦିଆଯାଉଅଛି ।

ପରିବେଶର କ୍ଷୟ ପାଇଁ ଅବବୋଧର ଅବକ୍ଷୟ ଦାୟୀ । ସାକାରାତ୍ମକ ମନୋଭାବ ନେଇ ପ୍ରକୃତି ଓ ସମାଜକୁ ସୃଜନଶୀଳ କରିବା ପାଇଁ ମୂଲ୍ୟବୋଧ ଭିତ୍ତିକ ଓ ଦାୟିତ୍ୱ ପୂର୍ଣ୍ଣ ଜୀବନଚର୍ଯ୍ୟା ଅବଲମ୍ବନ କଲେ ସହାବସ୍ଥାନ ପରିବେଶ ସୃଷ୍ଟି ହେବ । ବ୍ୟକ୍ତିଗତ ଦୃଷ୍ଟିଭଙ୍ଗୀର ପରିମାର୍ଜିତ କରି ଅଲିଆ ଆବର୍ଜନାର ପରିମାଣ ହ୍ରାସ ଓ ବିଘଟନ ବିହୀନ ପ୍ଲାଷ୍ଟିକ୍, ଥରେ ମାତ୍ର ବ୍ୟବହୃତ ପଲିଥିନକୁ ସଂପୂର୍ଣ୍ଣ ପରିହାର କରିବା ପାଇଁ ମାନସିକତା ଆପଣେଇ ନେବା ଉଚିତ୍ । ନଚେତ୍ ମଣିଷ ନିଜର ବେପରୁଆ ମନୋଭାବ ଯୋଗୁଁ “Dead as Dodo” ରେ ପରିଣତ ହେବ । ଦେଶରକ୍ଷା ଭଳି ସାମଗ୍ରିକ ଭାବରେ ଏହି ସାମୂହିକ ସମସ୍ୟାର ସମାଧାନ ପାଇଁ ସବୁ ନାଗରିକ ଅଗ୍ରାଧିକାର ଦେବା ଆବଶ୍ୟକ ।

RATNAMALA ECO CLUB, GIRLS HIGH SCHOOL, HINJILICUT

Keep green, See Shine, Save Trees, Save Universe

It gives immense pleasure to pen few lines on Eco-Club activities in and around our beloved institution. The Club started operating from 2006 with as many as interested students but was limited to 25 later. The objectives and mission of this programme is to create sense of awareness and keep our surrounding green. It is the demand of the day. Unlike the other co-curricular activities our school observes almost all the programme that is scheduled in special activities calendar.

21st March is observed as world forest day to make aware of the people of our locality to keep and grow forest to lead a free air life without hazards. In world water day we organize school level competitions such as drawing, essay and debate and invite the local dignitaries to grace the occasion. Ground in a rally to sensatise the people.

Earth day is observed on 22nd April every year with the support of club members. Competitions are being arranged and winners are honored with prizes.

International Biodiversity day is observed on 22nd may with a view to develop sense of interest and affection with eco-system. Debate, seminar, drawing and essay competition are organized.

5th June is observed every year as World Environment Day to create awareness in students and public to keep away from pollution.

1st week of July is observed as Vanamahostva every year. We invite the concerned officials of department and organize seminars, rallies and distribute saplings to plant and take care the green forest and also plant sapling in and around our campus with an active participation of volunteers.

We observe independence day with Eco-club members and distribute leaflets on clean environment. World Ozen day is observe in our school on 16thsepetember every year. We make aware of the people to protect the green earth. it is



now very essential to keep our universe free from harmful cloroflore carbon.

Wildlife week and National Anti pollution day are also observed to decrease pollution, less use of pollythene, protect the wild and domestic animals. In wild life week we specially offer green grass to roadside animals.

National Energy conservation day is observed in every year on 14th December. We organize seminars, distribute leaflets, quiz competitions are being conducted. Block level observation with a huge rally is being led by the dignatories and the head of the institution.

Besides the above days of observation, we also organize Hand wash day, World Girl Child day, Mothers day in our school to know its importance. We plant differ types of Medicinal plants and have made a Medicinal garden. For the alround eco-related activities our school has received Prakrutimitra Award in 2020.

It is not easy to light all the activities in this report. We hav utilized the Award cost towards naming the plants with mental plates. The Headmistres of our school is very sincere guarding and leading all the works related to the Eco-Club. We have developed a kitchen garden and fruit garden within our campus.

Thanks to the centre for Environmental studies, Department of forest and environment, Govt. of Odisha offering a scope to pen this data in a very précised manner.

‘ଗୋଟିଏ ପିଲାକୁ ଗୋଟିଏ ଗଛ’ : ସାଧୁ ମେରୀ ବାଳିକା ଉଚ୍ଚବିଦ୍ୟାଳୟ ଲକ୍ଷ୍ୟ

ସାଧୁ ମେରୀ ବାଳିକା ଉଚ୍ଚବିଦ୍ୟାଳୟ ପକ୍ଷରୁ ଇକୋକ୍ଲବ୍ ଏବଂ ଶକ୍ତି କ୍ଲବ୍ ମାଧ୍ୟମରେ ଜନସଚେତନତା କାର୍ଯ୍ୟକ୍ରମ ବିଦ୍ୟାଳୟ ପରିସର ମଧ୍ୟରେ କରାଯାଇଥିଲା । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ସ୍କୁଲର ପ୍ରଧାନ ଶିକ୍ଷୟିତ୍ରୀ ପାଟୁଲିଆ ଲାକ୍ଷ୍ମୀ ଏବଂ ଅନ୍ୟାନ୍ୟ ଶିକ୍ଷକ/ଶିକ୍ଷୟିତ୍ରୀ ଓ ଛାତ୍ରଛାତ୍ରୀମାନଙ୍କ ଗହଣରେ ମୁଖ୍ୟଅତିଥି ମେରୀ ବେର୍ଣ୍ଣଡେଥ ସୋରେଙ୍ଗ ଯୋଗଦେଇଥିଲେ ।

ବିଭିନ୍ନ ପ୍ରକାରର ଶକ୍ତି ସଂରକ୍ଷଣର ସଚେତନ ଆଧାରିତ ବକ୍ତୃତା ଏବଂ ତ୍ରୁଟି ପ୍ରତିଯୋଗିତା କରାଯାଇ କୃତୀ ଛାତ୍ରୀମାନଙ୍କୁ ପୁରସ୍କାର ସ୍ୱରୂପ ପୁସ୍ତକ, ତ୍ରୁଟି କପି ଏବଂ କଲର ପେନସିଲ ବିତରଣ କରାଯାଇଥିଲା ।

“ଗୋଟିଏ ପିଲାକୁ ଗୋଟିଏ ଗଛ”

ଆଜିର କାର୍ଯ୍ୟକ୍ରମ “ଗୋଟିଏ ପିଲାକୁ ଗୋଟିଏ ବୃକ୍ଷ” ଦିବସ ଉପଲକ୍ଷେ ପରିବେଶକୁ ସୁସ୍ଥ ଓ ସୁନ୍ଦର କରିବା ପାଇଁ ଗଛ ଅପରିହାର୍ଯ୍ୟ । ଏହି ବାର୍ତ୍ତା ନେଇ ସୁନ୍ଦରଗଡ଼ ସମାଜ ସାହିତ୍ୟ ଘର ପକ୍ଷରୁ ସ୍ଥାନୀୟ ମିଶନରୋଡ଼ସ୍ଥ ସେଣ୍ଟମେରି ବାଳିକା ଉଚ୍ଚବିଦ୍ୟାଳୟ ପରିସରରେ ମୁଖ୍ୟଅତିଥି ଭାବେ ସୁନ୍ଦରଗଡ଼ ବନଖଣ୍ଡ ଅଧିକାରୀ ପ୍ରଦୀପ ଦେବଦାସ ମିରାସେ ଓ ସମ୍ମାନିତ ଅତିଥି ରୂପେ ପ୍ରକୃତିପ୍ରେମୀ ସୁଧାଂଶୁ କୁମାର ଚୌଧୁରୀ ଚାରାରୋପଣ କରିବା ସହ କାର୍ଯ୍ୟକ୍ରମର ଶୁଭାରମ୍ଭ କରିଥିଲେ । ଏହା ସହିତ ବିଦ୍ୟାଳୟର ପ୍ରଧାନ



ଶିକ୍ଷୟିତ୍ରୀ ମହୋଦୟାଙ୍କ ତତ୍ତ୍ୱାବଧାନରେ ୫୦ରୁ ଅଧିକ ଛାତ୍ରୀ ସାମିଲହୋଇ ଚାରା ଲଗାଇଥିଲେ ।

ବନ ମହୋତ୍ସବ

“ସୁନ୍ଦର ସୃଷ୍ଟିର ଅବକାଶ ନାହିଁ ଯେତେ ଦେଖୁଥିଲେ ମଧ୍ୟ ଏହାର ଅନ୍ତ ଘଟେ ନାହିଁ ।” ଆମ ପରିବେଶ ସୁସ୍ଥ ଓ ସୁଖ ରହିଲେ ଆମେମାନେ ସୁସ୍ଥ ଓ ସୁଖୀ ରହିବା । ଏଥିରେ ସମେହର ଅବକାଶ ନାହିଁ । ଉଚ୍ଚ ବାକ୍ୟର ତାତ୍ପର୍ଯ୍ୟକୁ ଅନୁସରଣ କରି ସାଧୁ ମେରୀ ବାଳିକା ଉଚ୍ଚବିଦ୍ୟାଳୟ, ସୁନ୍ଦରଗଡ଼ର ଛାତ୍ରୀ ଓ ଶିକ୍ଷକ ଶିକ୍ଷୟିତ୍ରୀଙ୍କୁ ଆଧାର କରି ଗଢ଼ିଉଠିଛି ସବୁଜ ଶିକ୍ଷାର୍ଥୀ ବାହିନୀ ଓ ଏହାର କାର୍ଯ୍ୟ ନିରବଚ୍ଛିନ୍ନ ଭାବେ ଗତିଶୀଳ “ବୃକ୍ଷ ଲଗାଇବା ସୁସ୍ଥ ପରିବେଶ ଗଢ଼ିବା ।”

ବୃକ୍ଷରୋପଣ ଦିବସ “ବନମହୋତ୍ସବ” ଆମ ବିଦ୍ୟାଳୟରେ ସବୁଜ ବାହିନୀର ସଦସ୍ୟବୃନ୍ଦ ତଥା ରେଡ଼କ୍ରସ ଓ ଏନ୍.ସି.ସି., ସବୁଜ ବାହିନୀ

ଶିକ୍ଷୟିତ୍ରୀ ଲିଲି ପ୍ରତିମା ଏକ୍ସକ୍ସ ନେତୃତ୍ୱରେ ବିଦ୍ୟାଳୟର ପରିସର ମଧ୍ୟରେ ବ୍ୟାପକ ଚାରାରୋପଣ କରାଯାଇଥିଲା । ଛାତ୍ରୀମାନଙ୍କ ମନରେ ଆଗ୍ରହ ଓ ସଚେତନତା ଜାଗ୍ରତ କରିବା ପାଇଁ ପ୍ରବନ୍ଧ, ଚିତ୍ରାଙ୍କନ, କବିତା, ବକ୍ତୃତା ଆଦି ପ୍ରତିଯୋଗିତା କରାଯାଇ ଶ୍ରେଷ୍ଠ ବିବେଚିତ ପ୍ରତିଯୋଗୀମାନଙ୍କୁ ପୁରସ୍କୃତ କରାଯାଇଥିଲା ।

ଏହି ବିଦ୍ୟାଳୟଟି ୫ଏକର ଜମିରେ ଆଦିବାସୀ ଅଞ୍ଚଳରେ ଅବସ୍ଥିତ । ପ୍ରାୟ ଦୁଇ ଏକର ଜମିରେ ଇକୋ କ୍ଲବ୍ ସବୁଜ ବାହିନୀ ଛାତ୍ରୀଙ୍କ ପ୍ରତ୍ୟକ୍ଷ ତତ୍ତ୍ୱାବଧାନରେ ଉଚ୍ଚକାଳି ପଟାସ, ନିମ୍ବ, ସଜନା, ଲେମ୍ବୁ, ଆମ୍ବ, ପିଚ୍ଚୁଳି, ଅଁଳା, ପିପିତା ସହ ବିଭିନ୍ନ ପ୍ରକାର ବୃକ୍ଷରୋପଣ କରାଯାଇଛି ଏବଂ ସୁନ୍ଦର ସବୁଜ ପରିବେଶ ଭିତରେ ଏହି ବିଦ୍ୟାଳୟ ରହିଛି । ବିଦ୍ୟାଳୟ ଭିତରେ ଏକ ସୁନ୍ଦର ପୁଷ୍ପ ଉଦ୍ୟାନ ମଧ୍ୟ ସୃଷ୍ଟି କରାଯାଇଛି ।



AWARENESS PROGRAMMES CONDUCTED BY CES DURING APRIL-JUNE 2025

Observation of World Earth Day-2025

The Centre for Environmental Studies (CES), under the Forest, Environment & Climate Change Department, Government of Odisha, organised a special programme to mark the celebration of World Earth Day on 22nd April 2025. The event was held at PM Shri Govt High School, IRC Village, Bhubaneswar with active participation from students, teachers, and eco-club members.



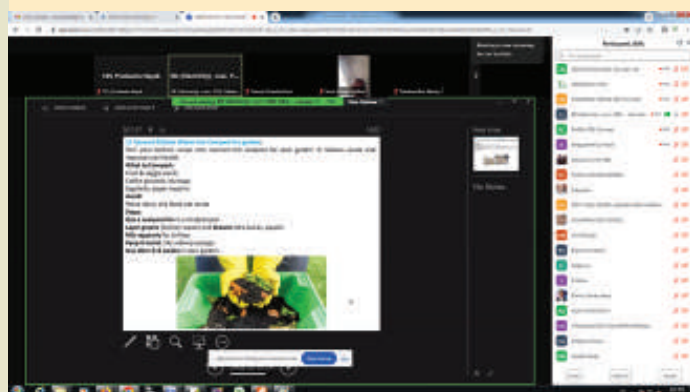
World Earth Day is globally observed to raise awareness about the importance of environmental protection and sustainable living. CES took this opportunity to sensitize young learners about their role in safeguarding the environment and



contributing to Mission LiFE (Lifestyle for Environment). The programme successfully engaged over 500 students and teachers.

Observation of International Day for Biological Diversity-2025

The Centre for Environmental Studies, Odisha, organized a webinar on International Day for Biological Diversity on May 22, 2025, for teachers across the state. Over 500 teachers



participated, gaining insights on biodiversity conservation, sustainable practices, and



environmental education. The webinar focused on integrating biodiversity topics into school curricula, promoting eco-club activities, and addressing local conservation challenges, inspiring teachers to adopt innovative methods for spreading awareness among students.

Observation of World Environment Day-2025



World Environment Day 2025 was celebrated on 5th June 2025 at Krushi Shiksha Sadan, OUAT Campus, Bhubaneswar with great enthusiasm. The event was jointly organized by the Centre for Environmental Studies (CES), Forest, Environment & Climate Change (FE&CC) Department, Government of Odisha, in collaboration with the State Pollution Control Board (SPCB), Odisha. The celebration aimed to raise awareness on environmental protection and encourage collective action against plastic pollution, in line with the global theme “Beat Plastic Pollution.”



The event was attended by esteemed guests, including Hon’ble Chief Minister of Odisha, Shri Mohan CharanMajhi, who graced the occasion as the Chief Guest, and Hon’ble Minister, FE&CC Department, Shri Ganesh Ram Sing Khuntia, as the Guest of Honour. Other dignitaries present included Shri Manoj Ahuja, IAS, Chief Secretary, Odisha; ShriSatyabrataSahu, IAS, Additional Chief Secretary,

FE&CC Department; Shri Suresh Pant, IFS, PCCF & Head of Forest Force; Mrs. Uma Naduri, IFS, Member Secretary, SPCB; and Dr. K. Murugesan, IFS, Director, CES.



The Chief Minister and Minister inaugurated the celebration by planting saplings under the “EkPedMaaKeNaam” campaign. 30 eco-models from eco-clubs across Odisha showcased innovative ideas on “Beat Plastic Pollution.” 17 exhibition stalls demonstrated best practices, green initiatives, and innovative technologies for environmental sustainability. Over 1,200 participants, including students, teachers, industry representatives, and government officials, actively engaged in the programme.

The World Environment Day 2025 celebration in Odisha was a grand success, marked by enthusiastic participation, insightful exhibitions, and strong leadership from the Government of Odisha. The event not only emphasized the urgency of addressing plastic pollution but also served as an inspiration for continued efforts towards building a sustainable and eco-friendly future.



Mission LiFE Activity on Say No to Single-Use Plastic



programme, leaflets highlighting the seven themes of Mission LiFE were distributed among the participants.. The program included distribution of leaflets on Mission LiFE's seven themes and talks by eminent guests, motivating students to adopt simple lifestyle changes for environmental protection and climate action.

A Mission LiFE (Lifestyle for Environment) awareness programme was organised by the Centre for Environmental Studies at Government High School, Bhadrak, on 11th April 2025 where 100 students learned about eco-friendly habits and sustainable lifestyles. The programme was designed to create awareness among school students regarding the importance of adopting eco-friendly habits and sustainable lifestyles. During the



Mission LiFE Activity on Save Water

To commemorate World Environment Day 2025, the Centre for Environmental Studies (CES), Odisha, successfully organized an integrated Mission LiFE activity on 31 May 2025 at Kolathia village, Khandagiri, Bhubaneswar.

- A cleanliness drive at the village pond, conducted with the active participation of local residents, aimed at promoting water conservation.
- An awareness session on the "Save Water" theme of Mission LiFE (Lifestyle for Environment).
- A plantation drive under the national campaign "Ek Ped Maa Ke Naam", organised to promote environmental conservation while honouring mothers.

Participants were sensitized on responsible water use, community stewardship of natural resources, and the importance of tree plantation for ecological sustainability.



MISSION LIFE ACTIVITY ON SAVE ENERGY

On 26 June 2025, the Centre for Environmental Studies (CES), Department of Forest, Environment and Climate Change, Odisha, organized an interactive awareness session on “Energy, Environment & Lifestyle” at Government High School, Gandamunda, Bhubaneswar, under Mission LiFE (Lifestyle for Environment) focusing on the “Save Energy” theme. The programme was attended by 100 participants, including 20 teachers and 80 students.



The technical session was addressed by Suresh Chandra Moharana, Former Engineer-in-Chief (Electricity), Department of Energy, Government of Odisha, who emphasized the interlinkages between energy consumption, environmental protection, and sustainable lifestyles and highlighted practical energy conservation measures.

At the conclusion of the session, all participants collectively took a pledge to use energy efficiently at home and within the school campus, promote energy-saving habits among peers, families, and communities, and act as Mission LiFE ambassadors by adopting environmentally responsible lifestyles.

As part of the programme, a plantation drive under the national campaign “Ek Ped Maa Ke Naam” was also conducted to promote environmental conservation and honour mothers. The programme effectively enhanced awareness among teachers and students and strengthened their commitment towards sustainable living in alignment with Mission LiFE objectives.



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