

KAMAL MODEL SR. SEC. SCHOOL

MODEL CONFERENCE OF PARTIES 5

ACTION PLAN REPORTS

Schools play a crucial role in reducing plastic pollution by educating students about the environmental impact of plastic waste and promoting sustainable practices. Schools have an important role in combating this problem, not only through education but also by leading by example. This report highlights how Kamal Model Sr. Sec. School participated in reducing plastic pollution and the impact of our efforts.

PHASE 1 (School Level)

ACTION 1 (Investigation)

Introduction

Plastic pollution is a growing global concern, with its impact on the environment and wildlife being widely recognized. To gauge the level of awareness among students and understand their plastic consumption habits, an awareness campaign was conducted at Kamal Model Sr. Sec School. This report presents the findings from a questionnaire survey aimed at assessing students' knowledge of plastic pollution and their daily plastic usage patterns.

Campaign Overview

The campaign was launched as part of the school's environmental awareness initiative. The primary objectives were:

- * To educate students about the dangers of plastic pollution.
- * To assess students' current awareness and behaviors regarding plastic use in daily life.
- * To encourage students to reduce their plastic consumption.

Methodology

Our school conducted a **Plastic Literacy Test** to determine the knowledge level of students with regards to plastics and examined their attitude and daily practice with respect to plastic use. Over **2500** students participated from classes **4th to 12th** and qualified this test with **80%**. With this, our students progressed to next level with a cheerful smile.



The key areas covered included:

- * Awareness of plastic pollution and its environmental impact.
- * Frequency of plastic use at home, and during daily activities.
- * Opinions on plastic alternatives and willingness to reduce plastic use.

ACTION 2 (Awareness)

Following steps were taken for creating awareness of reducing plastic pollution in school-

1. In this level, our school organized a **Plastic Awareness Week** for combating plastic pollution. Competitions were held such as **songs, poster making, rally and NUKKAD NATAK** to raise awareness as well as to show the impacts of plastic pollution. Teachers guided the students in creating a **display board on single use plastic ban** and other alternatives.



Awareness about the green environment by reducing carbon emission and planting of Azolla plants in the school to promote the awareness.

Azolla can be harnessed as a sustainable source of energy in the form of bio-fuels and as feedstock for bio-energy.

Presenting play (Mrigya) prepared by a drama team to sensitize students about plastic pollution.

KMS organized a theatrical play aimed at sensitizing the school community about the dangers of plastic pollution.

The play was performed in the school auditorium and was attended by students, teachers, and staff from all grade levels. The narrative of the play followed the story of a plastic bottle that was carelessly discarded after use, eventually finding its way into the ocean where it caused harm to marine life. Along the way, various characters interacted with the bottle, showing the negative impact of plastic waste and the urgent need for change.



Audience Engagement

Throughout the performance, the actors interacted with the audience, asking questions and encouraging them to think critically about their own habits. At several points, the students were invited to participate in the action by raising their hands to pledge to reduce plastic use or by calling out ideas for sustainable alternatives. This interactive approach ensured that students were actively engaged with the issue and the message of the play.

Impact and Feedback

* **Positive Role of Students:** Several students from the Drama Club mentioned that performing in the play deepened their understanding of plastic pollution and motivated them to take more active roles in environmental initiatives, such as leading recycling drives and awareness campaigns.

* **Engagement with the Broader School Community:** The play sparked conversations about plastic pollution across different grade levels.

Awareness and clean up drives in school.

Planning and Preparation

The Awareness and Clean-Up Drives were organized by the Environmental Awareness Club in collaboration with classroom teachers and the school's maintenance staff. The planning involved the following steps:

- * Awareness Sessions.
- * Materials and Resources.
- * Scheduling the Event.
- * Involvement of Student Leaders.

Activities and Execution

* School Clean-Up

1. Students were divided into small groups and tasked with cleaning and organizing different areas of the school.
2. Emphasis was placed on the proper disposal of different materials, with special attention given to the recycling and composting of organic waste such as paper and food scraps.



* Awareness Campaigns

1. During the drives, teachers engaged students in discussions about how improper waste management contributes to pollution and climate change. The class also watched short educational videos highlighting the impacts of waste on the environment.

2. A "Waste-Free Challenge" was introduced, where students were encouraged to bring less plastic waste to school and make efforts to reduce single-use plastic items such as water bottles, snack wrappers, and straws.

* Clean-Up Drive Results

Each classroom was assessed based on the thoroughness of the clean-up and the effectiveness of waste sorting. Student leaders and teachers evaluated the classrooms and provided feedback on what went well and areas for improvement.

Conducting interactive sessions for making ECO BRICKS.

As part of its ongoing environmental education efforts, KMS organized a series of interactive sessions on making **Eco-Bricks**, a sustainable solution to repurpose plastic waste, which can be used as a building material for various projects. This initiative aimed to teach students about waste management, recycling, and sustainability while actively involving them in an eco-friendly solution to plastic pollution.



Planning and Preparation

The sessions were planned and executed by the school's Environmental Awareness Club in collaboration with the Science and Art departments. The preparation involved the following steps:

- * Research and Expertise: Teachers and facilitators researched the eco-brick concept, attending workshops and reviewing successful eco-brick projects to ensure the sessions were educational and practical.

- * Materials and Resources:

Plastic bottles: Empty plastic bottles were collected from students and staff members.

Plastic waste: Non-biodegradable plastic waste like plastic wrappers, Single Use Plastic bags, etc

Tools: Students were provided with sticks and other tools to stuff the plastic waste tightly into the bottles.

Session Structure

Senior Students from 9th to 12th became the torch bearers for our kiddos of primary section as they observed an interactive session with students of class 1st to 5th in their classrooms about the harmful effects of increasing Plastic Pollution. They demonstrated how eco-bricks, made by stuffing non-biodegradable waste into plastic bottles.





Outcomes and Impact

The interactive sessions on eco-bricks achieved several key outcomes:

- * Increased Awareness
- * Engagement and Motivation
- * Sustainable Impact

students had created a total of around hundreds of eco-bricks, which were used for making **ECO BRICK BENCHES** in school premises & local parks.



PHASE 2 (Locality)

ACTION 1 (Investigation)

Introduction:

This report focuses on surveying and gathering data regarding plastic waste management in our locality, with a special emphasis on single-use plastic consumption. We engaged with local vendors, shopkeepers, tailors and residents to understand their perspective on plastic usage and waste disposal practices..

Survey Methodology:

To gain insights into the local consumption of single-use plastics, we conducted a series of surveys and interviews. We visited over 55 local businesses, including small grocery shops, clothing stores, food vendors and residents.



Findings:

1. High Consumption of Single-Use Plastics
2. Challenges in Waste Management: Local vendors and small business owners acknowledged that managing plastic waste is challenging, particularly because of the sheer volume of single-use plastics generated daily.
3. Recycling and Waste Disposal: Regarding recycling there was a significant lack of local infrastructure for collecting and processing plastic waste separately from regular garbage.
4. Consumer Behavior and Attitudes: Our survey also revealed that consumers are often unaware of the long-term consequences of plastic waste.

ACTION 2 (Awareness)

Introduction:

These efforts include distributing pamphlets, promoting eco-bricks, organizing community WhatsApp groups, hosting clean-up drives, and working directly with local shopkeepers.

1. Distribution of Pamphlets and Awareness Materials
2. Encouraging the Making of Eco-Brick

Key Actions:

- * Workshops on Eco-Bricks: Several meetings were conducted by school students to teach residents how to create eco-bricks.
- * Eco-Brick Collection Points: Designated collection points were set up in school where people could drop off their filled eco-bricks.

3. Creating Community WhatsApp Groups

Key Actions:

- * Local WhatsApp Groups: Separate groups were created for different neighborhoods. (e.g., schools, markets, residential areas).
4. Organizing Clean-Up Drives
- * Partnerships with Local Authorities

PHASE 3 (Fallow Plot / Land)

ACTION 1 (Investigation)

1. Residents:

Role: Residents, both homeowners and Local vendors are key consumers of single-use plastic.

2. Surveying Plastic Waste and Its Impact on Street Animals

To better understand the extent of plastic pollution in our locality, a survey was conducted to assess the amount of plastic waste being dumped and to examine how street animals, including cows, dogs, and other wildlife, are affected by plastic consumption.

ACTION 2 (Awareness)

Introduction:

As students, we have taken part in several initiatives to address this issue, collaborating with NGOs for clean-up drives, (**Yamuna Bachao**), **Rise Foundation**, **Tide Turners Plastic Challenge** and creating awareness through digital platforms such as YouTube, whatsapp and facebook.

Impact:

- * Over the course of several months, we collected hundreds of eco-bricks.
- * The eco-bricks were used to build several small community projects, such as eco-friendly benches in local parks.
- * The process of making eco-bricks also served as an educational tool for local residents, showing them how they can contribute to the recycling process and help reduce waste.

Creating Awareness through a YouTube Channel

In addition to physical actions, we also focused on raising awareness about single-use plastic through digital platforms, especially YouTube. A YouTube channel was created ***“Kms spreading eco light”*** to share educational videos on the impact of plastic

pollution, as well as the community initiatives we were undertaking to reduce plastic waste.

YouTube Channel Content:

1. Educational Videos: We created short, informative videos on topics such as the environmental effects of plastic pollution, the benefits of recycling, and simple ways people can reduce their plastic consumption.
2. Eco-Friendly Tips: The channel also featured tutorials on how to make eco-bricks, how to segregate waste, and how to make sustainable choices in daily life.
3. Collaborations with Influencers: We collaborated with local influencers.

Youtube Links-

1st part - https://youtu.be/7jzPWT_uzlQ

2nd part- <https://youtu.be/Wh7gRqA3T7w>

3rd part- <https://youtube.com/watch?v=LxpRH3xSOSg&feature=shared>

4th part- <https://youtube.com/watch?v=9Rqgske-ovl&feature=shared>

Impact:

* The channel gained a steady following, with many local residents tuning in to learn about sustainable practices and join the community's efforts to reduce plastic waste.

Through these initiatives:

* We have educated local people about the impact of plastic waste on the environment and encouraged more sustainable practices.

* We have demonstrated the potential for community-driven solutions, such as eco-bricks for making eco-benches, to contribute to local infrastructure projects.

* These eco-bricks were used to make **eco-friendly benches in local park.**

Moving forward, we aim to expand our clean-up drives, create more eco-bricks, and grow our YouTube channel to reach a larger audience. The collaboration with **Tide Turners Plastic Challenge** ,**NGOs, TERI** (who have collaborated with us in our initiative of culturing Azolla Plant)and local people is also help us to build a more sustainable community, and we hope our efforts inspire others to take action against plastic pollution.
